

History Of 160 Meter DX

PREFACE

Note: as you read this, you may want to check the photos at the very end of this material, which bear straight relationship with this introductory text.

It was in 1961 while doing a lot of SWL-ing on 75 and 80 meters that W1BB's column in QST, "Top Band DX" (or something to that effect) caught my attention. Stew was reporting QSOs between the USA and Europe, and I very correctly assumed that if contacts between N.A. and Europe were possible on 160m, prop also might exist elsewhere. Well, I boldly sacrificed the 10m coil in my 5 band converter and made one for 160m, and what wasn't my surprise when, on the very first try, on Feb 5 1962, I heard very clearly W0GBV in QSO with K8BBI. Needless to say that was the jumpstart to my 160m career, a virus that would never let go of me, till today, in spite of being off the band due to space limitations for more than 10 years.

I immediately got in contact by mail with Stew who from the very beginning made me feel extremely welcome to the then very small Top Band community, even me being only an SWL. Of course Stew also had a hidden agenda in the situation: He, like everyone else then active on the band, needed Brazil for a new country!

Being unable to acquire a PY license because of me not holding the Brazilian citizenship, I tried to coax some of the locals into getting on Top Band. I was mostly met by total disbelief in the band's possibility to yield any contacts at all. But eventually, tries were made by PY1NFC, Fred, but with frustratingly little success. Having no technical knowhow and no one to consult in the matter, the ½ wave end fed wire was hooked directly to the 50 ohm output ! Herb, W0VXO (now KV4FZ), who was visiting Brazil repeatedly in those days, learned about our difficulties and presented us with a home made antenna matching unit. That's when contacts became a little easier, and Herb of course was the first US contact, eventually to be followed by Stew.

In 1965 I was taking computer training in Detroit, Michigan, the end of which coincided with the Easter Weekend, which I was very privileged to be invited to spend with W1BB near Boston. What a thrill it was to be in the company of Mr. Top Band himself ! A visit to the famous tower QTH was part of the attraction as well as live demonstrations of Stew's spark-gap rig from the pre-

tube days, as well as his retired HF rigs featuring separate finals for each band, all in working order. And then, of course, endless conversations about Top Band in general.

Over the years I had the opportunity to visit with Stew several more times, especially when I started to work for Mass. based Digital Equipment Corp. in 1974. I even got to stay at Stew's country QTH on the Maine shoreline with its own private, centuries old, abandoned cemetery in the backyard forrest !

In 1972 I finally became licensed as PY1DVG and a year later as PY1RO, and Top Band operation began in full swing, eventually resulting in Top Band DXCC # 14 as well as WAS, after 7 years of total dedication - both being the first of those awards issued to a station outside of North America. Today DXCC on Top Band can be worked in a single contest weekend, but in those days most countries didn't allow Top Band operation, turning the countries to choose from very scarce. Just to give an idea, European activity before WARC-79 was limited to OK, DL, HB9, HB0, LX, EI, PA, OH, OH0, ZB2, 9H and the U.K.

Stew's bulletins, for which he only accepted SASE's, were instrumental in maintaining interest in Top Band high in those years when rigs in general didn't have a 160m position on the bandwith. The first commercial rig to finally come out with 160m was the Drake 4 line. Before that it was mainly "rock bound" transmission, and Stew of course was instrumental in getting Xtals out to all who showed interest in getting on the band, including myself. As a result, split operation was natural in those days, and the observance of the DX window 1825 - 30 was mandatory.

It is in the light of the above outlined scenario that Stews bulletins should be appreciated so the reader can gain a full understanding of how the band evolved from those early days to the Top Band as we know it today.

As for the technical quality of the documentation, please bear in mind that these bulletins have been kept over decades in 3-ring binders, and not always in the most controlled of environments, which of course has affected the preservation of the originals to some extent. Variations in coloration and clarity of certain editions are also the result of differing quality material used in producing them at the time. Stew always aimed at maximizing the space available and as a result he didn't observe any margins, which further

complicated Ronald's work in scanning the material. It also seems that the collection is lacking at least two bulletins (80/81-2 and 75/76-2). If any reader by chance happens to have these or other (earlier) bulletins or related material, and would like to see them included in future editions of this collection, please contact.....

Last but not least, Ronald - PY2FUS deserves a very big THANK YOU for his selfless and time-consuming effort to get this material scanned and organized!

Enjoy !

Rolf Rasp - PY1RO
May 2004.

HISTORY
of
160 METER DX
by
W1BB

This HISTORY is presented to you, by W1BB, in the hope that it will be found useful, and interesting, in connection with your 160 meter activities.

Please advise of any corrections, errors, or omissions noted. Your help in this respect will be very much appreciated.

Best of luck, and HAPPY HAMMING to you always!!

B.C. N. U. on 160 !!!

73!

de

W1BB

HISTORY
of
160 METER DX TESTS
(Dx vs W/VE)

(The following data for the period from 1931 to 1946 is taken largely from an article by Austin Forsythe, G6FO, Editor, in SHORT WAVE MAGAZINE, for April 1946.)

- 1931 DECEMBER G to European Continent contacts. Up to 10 watts power. OK3SK made it with 5 watts power.
(3)
- 1932 JAN-MAR G to European Continent, Almost as good as 7mc.
DECEMBER Gs organized tests -- WIDBM with 450 watts, directional 360' antenna on tip of Cape Cod -- Heard s5 to s7 up to 0800 GMT. Peak period 0530-0730.
- 1933 FEBRUARY G6FO using 9 watts and 66' antenna with counterpoise, worked WIDBM 0600-0715 for FIRST Transatlantic Crossing. GW5WU also heard in USA
- 1934 FEBRUARY Several more Gs worked Across.
- 1935 JAN-MAR G6FO-G2PL-G2II-G6YQ, and GW5WU worked across. VELEA worked G2II and GW5WU first time he ever tried 160 Dx.
- 1936 JAN-MAR No scheduled 160 meter Dx tests -- However, FIRST USA/AFRICA 160 meter QSO made by WIDB/FA8BG on 2/23/36. VELEA worked G2II - G2DQ and G6UJ
- 1937 JAN-MAR No scheduled 160 meter Dx tests -- However G2PL/WIDB made FIRST 5-B.T.O.C. within 24 hours, working on 160-80-40-20-10. VELEA worked across on 160 to G2PL W2EQS heard in Wales with 30 watts.
- 1938 FEBRUARY G6FO - Short Wave Magazine, arranged series of tests. Heard WIDB but could not work across to W/VE - Conditions poor.
- 1939 JAN - FEB Band cracked wide open Jan. 8-15-22 and Feb 4 & 16 between 0500-0830. Fifty stations worked across including G-GI-GW-HB-F-FA-SM-OZ-W1-W4-W8. W phones were heard and also identified, but not worked. Interest mounted high. WIDB outstanding W station. Gs across were: G2DQ-2PL-2RC-2CF-2MI-2AO-3GH-3JU-5MP-5RI-5JO-5XH-5QY-6MK-6WY-6OM-6OH-6SQ-6XL-F8ZP-GW2IP-GW8HI-FA8BG.
- 1940 WAR --- Band Closed
- 1941 WAR --- Band Closed
- 1942 WAR --- Band Closed
- 1943 WAR --- Band Closed
- 1944 WAR --- Band Closed
- 1945 WAR --- Band Closed
- 1946 Band opened up in "G" land 1800-2000 kc. Local working. No Dx. Loran QRM. Band closed in USA

(The following data from the year 1947 on from the notes of W1BB, other interested Dx Hams , and SWLs.)

- 1947 Local G working -- no Dx. Band closed in USA.
- 1948 Local G working -- No Dx. Band Closed in USA.
- 1949 JAN-MAR Gs heard across again. --- April 9th 1949 W band opened up again by FCC 1800-1825 Kc and 1875-1900 Mc. -- Also other bands for Western USA - See FCC notice.
- DECEMBER VELEA heard G6BQ and G5JU 12/17/49 11.19PM EST -0415 GMT. G3PU and W4NNN made First Post War crossing 12/18/49 with QSO. GD3UB and VELEA made second post war crossing 12/19/49
- 1950 JAN-MAR -Unorganized tests by leading G and W/VE stations, indicating that band had potentialities for D.x.
-G2PL and G3PU outstanding Dx stations. Other Dx stations working across were: G3FAB-G6BQ-G6GM-G8NF-GD3UB-KV4AA-G2YS. Heard across were GM8UM and EK1AC
-Of special interest - W1BB repeatedly heard very weak signal - almost but not quite identified- called "QRZ QRZ QRZ G6?N G6G?N G6G?N G6G?N - a number of times -- this was later identified as G6ZN with only 3 watts power!!!!
-VELEA - W1BB - W4NNN outstanding W/VE stations. Other W/VE stations working across were 10E-3IU-3LII and W2WFZ.
-Of special importance was first G/W two way phone contact on 160 meters between G2PL and W1BB
-W1BB-W4NNN-VELEA signals heard by FA8BG and EK1AO in Africa.
-FIRST 3 element 160 meter beam tested by W2WFZ with G3PU and with excellent results.
-Eighteen Gs worked EK1AO Jan. 22 -- KV4AA heard by G4LX -- ZB1AR worked several Gs -- HZ1KE worked GM2HIK-GD3UB-G6AB-G6BQ
-W4NNN (Now W6NW) worked HC1PK during 1950 ARRL DX contest for FIRST USA/South America 160 CW QSO. (Per QST July 1953)
-HZ1KE QSO'd by G. First G-HZ??? First Asiatic??
-TA3FAS QSO'd by G2pl - FIRST G-TA on CW and PHONE.
- 1951 JAN-MAR -Organized tests -- by G6FO Short Wave Magazine - and W1BB announcements by QST.
-This was a very successful season, summerized by the following "Outstanding events" from W1BB's report as follows:
- #1-First crossing this season by VELEA working G6BQ on Dec. 31, 1950. G6BQ 349 and VELEA 449
 - #2-First N.A./Africa Postwar QSO VELEA/EK1AO Jan 7 - both RST 449
 - #3-FIRST!!!! Contact between Asia and N.A. on record. between VELEA and HZ1KE Jan. 14 1951 - 229 both ways.
 - #4-VELEA has worked 4 continents - 8 countries Post War - total of 10 countries all time.
 - #5-W1BB also worked 4 Continents - 8 Countries post war total of 11 Countries all time.
 - #6-W1BB worked South America HC1JW Jan.21 '51 BB was 469 and HC1JW was 567
 - #7-W2UKS QSO'd N.A./S.A. same date 349 - W8BKH also. w/HC1JW
 - #8-W1BB and W9CVQ both heard in NEW ZELAND by ZL1AH Ex G6AH and ZL1MP Ex GW6AA-Ex G2II of early 160 meter DX fame. These reports confirmed. Also an unconfirmed report of W2QHH being heard by ZL1HM. Howy using 20 watts and 12' high antenna.

#9-A number of Phone/phone and CW/Phone QSOs were made.
G2PL/WLBB p/p F8PJ/W8FNS p/p W1LYV/GW3ZV p/p W1LYV/G2PL
cw/p

- #10-OUTSTANDING and Most Consistent DX station EK1AO - 300 Watt
- #11-Also EXCEPTIONALLY OUTSTANDING for 10 Watts!!!! GW3ZV using miles of wire for an antenna!! Signals up to 589 at times!! This performance deserves a lot of credit.
- #12- More US districts worked than ever before!!! W-1-2-3-4-8-9- VE-1-3

-DX working across were: G2PL-YS-NM-ACV-FLK-DA G3PU-SU-DIY
ERN G5HB-RI-UB-KM-JU-GU-VB G6GM-QB-BQ-LB G8JR-NF GD3UB
EK1AO HZ1KE GW3ZV-FSP HCLJW F8PJ KV4AA.
Heard but not worked were the following stations: G2DPV, NP and G3GGN

-W/VES working across were: WLBB, EFN, PLO, ORP, ZE, LYV, BEU, SAN, SS, KDX, DVS, RQR, BEU, NRE, AXA, MQB --- W2PTV, ESO, UKS, EQS, BFA, BLR, PEO --- W3LII, FNF, PMG, LOE, EIS --- W4KFC --- W6WV, FES -- W9PIM, CVQ, PNE, -- VELEA -- VE3AAZ. Heard also were the following WLAW - W2WC - W2KZX W3OKU, AAA, JAA -- W8FIR, FLH, FLV and W0TQD.

- FIRST!!!! W9CVQ worked ZLLAH December 31, 1951 RST 229 both ways - after a series of tries and schedules, making FIRST W/ZL 160 meter QSO on record!!!!
- This was an outstanding year -- But??? The SUNSPOT cycle in on the down grade - lets see what happens next year!

1952 JAN-FEB

-Band was very much poorer than last year -- Due to Sunspot cycle being on downgrade????
-Outstanding events were as follows:

- #1-VELEA made first crossing working G3PU Nov. 25. 1951
- #2-WLBB, W9NH, W2QHH and KV4AA heard in New Zealand by ZLLAH and ZL1HM during tests. SPECIAL NOTE!! W2QHH using 6L6, 17 watts, 270' wire 12' high at one end and 3' at the other heard by ZL1HM and CONFIRMED!!!
- #3-W1LYV was heard in RUSSIA - received SWL card!!
- #4-VELEA worked HZ1KE for second N.A./AFRICA 160 QSO.
- #5-FIRST!! W9/G QSO on record when W9CVQ worked G5JU and GW3FSP December 23rd. 1951 -- but included in 1952 "Season" report here
- #6-W2QHH made FIRST VP4 QSO w/VP4LZ on February 23. (Again using only 17 watts.)
- #7-W2ESO, Gene Black put weekly reports of test results on Voice Of America broadcasts with special note of FIRST W/ZL QSO

-Dx stations working across were: G2PL, AJ. - G3PU, ERN, COJ, DIY. G5JU - G6GM, BQ- GW3ZV, FSP. - EK1CW - KV4AA - ZLLAH - VP4LZ. ALL Dx heard was worked except GM3OM who was heard and not Wkd.
-W/VES working across were - WLBB, LYV, SS. - W2TRK, EQS, K2USA - W2RGO - W9CVQ, NH - VELEA and VE2WW
-It will be noted that while there were several outstanding events, contacts to Europe were way down, and it was seriously considered giving up the tests for 1953. It was WLBB's suggestion that they be continued to see what would happen.

1953 JAN-FEB

-In spite of poor conditions, there was a lot of activity and interest and good contacts were made. This was due in some measure to better antennas, better receivers and MORE ACTIVITY.
-The OUTSTANDING EVENTS for 1953, were as follows:---

- #1-WLLWV made first crossing for season Nov.9th 1952 working G6BQ, GW3FSP, G3HYG and G3GGN.
- #2-FIRST!!! W5/G QSO between W5ENE and G5JU January 4th. G6GM and G3PU were also heard by W5ENE.
- #3-FIRST!!! ~~NORWAY~~/USA QSO between OH3NY and W1BB JAN. 11th 0600GMT. W1BB using KYTOON (Balloon) antenna 260' vertical BB/449 NY/339
- #4-NEW COUNTRY, EI9J on for the first time - Thanks to W2QHH - with outstanding signal and worked many W/VEs - Had special permit from his government for operation during the 160 meter DX tests.
- #5-W1BB, W3EIS heard in South Africa by ZS3K
- #6-W1BB, EFN-W2EQS-W3EIS-W9PNE-W6NWX all heard by ZL1AH varying RSTs 229/259 - and various dates during tests.
- #7-W1BB experimenting with 260' vertical KYTOON - (Helium Balloon) supported antenna - slightly better than HORIZONTAL ANTENNA - BUT NOT OUTSTANDING WEATHER too much of a factor to make it practical. Hope to run further tests for confirmation.
- #8-FIRST !!! ASIA/USA QSO on record - W1BB worked ZC4XP on March 8th.
- #9-VE1EA worked ZC4XP for his third ASIAN QSO - having previously worked HZ1KE twice.
- #10-Several QRP contacts of note were made:
 (a) G6ZN with 3 watts worked K2ANR
 (b) W2QHH and W1LMU with 17 watts each worked across
- #11-A number of phone stations were heard and worked across
- #12-First Post War W/EI contact - W2WWP/EI9J Jan 11th.
- #13-First Post War VE/EI contact VELYW/EI9J
- #14- W9NH completed FIRST 160 meter "WAS" - (Worked all USA States) - on record. !!!

-Dx working across were: G2HDT, FGD, SU, JF-G3PU, GGN, BKF, FGT, GZK, ATU, GLW, -G5RI, JU, TN-G6GM, CJ, LB-G8KP, JR. Other countries working across were EI9J - GI2ARS-KP4DV-KP4KD-VP4LZ-GW3FSP-OH3NY-KV4AA

--Heard across were G2PL-G3GKQ-G3US-G5VB-G3HVX-G3FEW.

-W/VEs working across were:- W1BB, LYV, LMU, AHX-W2EQS, WWP, QHH, WC. W3EIS - W5ENE - W9PNE - VE1EA - VE1HJ - VELYW.

-W/VEs heard only were - W1QJM, HSC, AYG, SS, TCR, OJM, FYS, QCA, RQR, DWO, AW, OE - W2KNZ, JPW, HCW, ESO, AMC, NC-W3HL, AVL, TBG - W4VFL, LRN W8NJC, HFG, GDQ - W9NH, MFV, FIM, CZT, BQQ - VE2AIE.

-January 11th was the outstanding dsy of the tests - Dx was g00D - QRN was low -- later tests were QRN'd out with terrific QRN, coinciding with the great hurricane and floods in Britain and Holland.

APR-SEP

-SPECIAL NOTICE!!!

- In April W2WWP received word from ZL1WW via ZL2ACV on 40 Cw that 160 meter faint signals were being heard, and asking for schedules.
- On May 3rd W2WWP 1899 Kc QSO'd !!! ZL1WW 1904Kc RSTs WWP/349 WW/239, for SECOND ZL/USA 160 meter QSO on Record!! (See W9CVQ Dec. 1951 for FIRST ZL QSO) -- This was FIRST W2/ZL QSO! - Times were 0900-1030 GMT -- Sunrise this end -- early evening ZL time.

Thereafter W2WWP worked ZL1WW a number of times.

-W2WWP invited W1BB and W9NH to join in on further tries.

-W9NH heard first ZL on July 1st 119rst

-W9NH next worked ZL1WW on July 29th 1022 GMT - NH/449, WW369

-On the same date W2WWP also worked ZL3RB.

-W1BB worked ZL1AH Sunday August 16th at a different time, 0605 for a short "Contact" type QSO. (Sked suggested by ZL1AH)

- W1BB worked ZL1WW, ZL3RB and ZL1AH all on the following Wednesday August 19th 0945-1030. ZL1WW was a solid QSO. RB and AH short "Contact" report QSOs.
- W2WWP the same morning, as signals were unusually good, almost had a phone QSO with ZL1WW when signals peaked - they heard each others modulation but no phone QSO -- CW QSO again OK..
- W1BB exchanged reports with ZL1NX on August 23rd - also Wkd WW
- Tests are continuing (At the time of this typing) during the summer months and fall of 1953 to see if enough can be learned to establish regular tests in which it would be worth while for all Hams to participate - lots of lost motion this summer.
- Many Many thanks to ZL1WW, ZL2ACW and W2WWP for starting this thing off. ZL2ACY
- FIRST !!! 160 meter "WAC" on record made when W1BB QSO'd ZL1AH, ZL1WW, ZL3RB, ZL1NX.

- W2WVP the same morning, as signals were unusually good, almost had a phone QSO with ZL1WW when signals peaked - they heard each others modulation, but no phone QSO resulted. CW qso again OK.
- W1BB exchanged reports with ZL1NX on August 23rd - also worked ZL1WW
- Many Many thanks to ZL1WW, ZL2ACV and W2WVP for starting this ZL wk
- Thus the FIRST!!! 160 meter "WAC" - (Worked all Continents on 160) on record was made when W1BB, QSO'd ZL1AH, ZL1WW, ZL3RB and ZL1NX.

1953 OCT-DEC
1954 JAN-MAR

- This "SEASON", the organized tests were held per G6FO, Short Wave Magazine, and W1BB with announcements in QST/CW and "Break-in".
- There was more activity than ever on 160 - more C ountries, and all 6 Continents heard from.
- Much DX was worked in between the "Organized" tests, and it looks now as though, through these "organized" tests, that the band is being opened up more and more to general operation, and year/round DX efforts.
- Summary of this seasons OUTSTANDING EVENTS from W1BB's log follow

- #1. W3RGQ arranged special tests starting October, and the FIRST CROSSING this season was on Oct 4th when W3RGQ worked G3PU. W1YV Contacted G3PU later the same evening/ Signals 239/449
- #2. FIRST!!! ZL/G QSO!! - 12,000 Miles, October 10th 1953 0640GMT. ZL1AH worked G6GM. AH339, GM339 Half Hour QSO. On the following night, OCT 11th another QSO was made, this time 559 both ways. On Oct 21st G6GM QSO'd ZL3RB - RB439/GM449 - ZL1AH QSO'd G6GM again also.
- #3. FIRST W/HB QSO on record - when W1BB worked HB9CM Dec 20 '53 W1BB 449 HB9CM459 0637 GMT.
- #4. FIRST ~~W/VE~~ Canal Zone/W QSO on record!!! When W3RGQ worked KZ5DE, January 16th 1954
- #5. LOWEST POWERED G QSO this season. G2HKU, 5 watts worked W1BB Jan 3rd. 0640GMT - Isle of Sheppy. HKG/329 BB 579
- #6. FIRST Hawaiian/New Zealand QSO. KH6MG/ZL1WW March 24th 1000 GMT
- #7. Some FIRST KP4KD QSOs. - EI9J Jan 31st. G6BQ, Jan 31st. VP4LZ Feb 21st - VP6EB Jan 31. - VP7NM Jan 31 - VP9BDA, Feb 28th - KZ5DE Feb 7th VE 1EA Feb 14th.

- In general, the first part of the TESTS had better conditions than the last.
- An unusual phenomnon was observed in that the path seemed to shift from good E -W conditions early, to a more NE -SW path, as evidenced by Canal Zone QSOs with W and G stations

#8. FIRST G/C anal Zone QSO when G3PU worked KZ5DE on Jan 16th

- We had TWO FAKES this season VR2BJ and LU4DM who fooled several.
- DX WORKING W/VE, were:- G3PU, ERN - G5JU, KM, RI - G6GM, QB, BQ, GJ - G2HKU - G8JR - GC3EML - GW3ZV - EI9J - HB9CM - HB9T - KZ5DE - KV4AA - KV4BE - KP4KD - VP4LZ - VP7NM - VP9BDA.
- DX HEARD were G3HVX and G3BKF.
- W/VE WORKING DX were:- W1BB, DBE, LYV, TMA, VDB, EFN, AQE, UJP, ZL -- W2GGL, EQS, AMC, WC, K2ANR, BWR, QHH, WH, PP, UKS - W3RGQ, EIS - W4KFC - W9PNE W4NWX - VE1EA - VE2AIE - VE2FW.
- W/VEs HEARD only by DX were:-- W1AHX, LMU, QCA - W2JIL, MCU, TRK, AMC HEY, KV -, W3PWF, TBG, HL, PA. - W4BRB, POB, KMS - W5ANO - W8GDQ, HQ, IKN, EJJ - W9EWC, CZT, NH.
- SWLs!!!!!!! - Special Mention should be made of the splendid work done by the SWLs. To list a few of the most consistent ones, -- (next page)

-Norman Smith, BRS20601 -- ROBERT IBALL BSWL 4648 --- George Allen BSWL 4588 -- C.L. Bradbrook G3692 --- William Iball, BRS-20410 -- Mike Birch ISWL/DL2-4832 --- Jack Burgess, ISWL 2561 -- E.M. Hainsworth --- John Whittington ISWL-G3719.BRS 19771 -- Gerald Heslop RSGB A1167/ISWLG4555 --- Ian S Davies RSGB/A1182 --- John L Hall, BSWL/2333. There were others.
 -These very factual and accurate reports assisted greatly and added much zest to the 160 meter TESTS. Many many thanks to these cooperative, and fine fellows - the "SWLs" !!!

#9. FIRST!!! - GC/W QSO on record, when GC3EML made contact with W1BB December 17th, 1953. GC 3EML rst 229 - W1BB rst 459.

1954 SEP-DEC
 1955 JAN-APR

-This "SEASON" there was a variety of DX, with the North/South path predominating.

-LORAN became more of a problem, with a new station moving in permanently on 1900Kcs, and an intermittent station on 1850. This causes considerable QRM, and gives a high artificial noise level that many weak stations cannot get through.

-Summary, of the OUTSTANDING EVENTS from W1BB's log, follow:-

- #1. Season's FIRST USA/Oceania QSO when W8ANO worked ZL3RB Sept. 5th
- #2. On Sept 5th G3PU heard W3RGQ 239-349 - and then on Sept. 19th W3RGQ almost worked G3PU for a first season's QSO - when they heard each other briefly through static Crashes, but did not call it a QSO.
- #3. First Transatlantic QSO of the 1954/1955 season when V2EQS and G6GM worked each other October 10th 0532GMT. Second QSO of the season - same date - when W1BB worked G6GM 0607gt
- #4. G6GM and G6CJ worked ZL3RB again in Mid-October
- #5. FIRST VO/W QS O!!! When W3RGQ hooked W4KVM/VO6.
- #6. FIRST LU/W QSO!!! When W1BB worked LU3EL November 28th at 0707 GMT. EL/559 BB/569. This was followed by LU QSOs with W8GDQ, W9PNE, W0CVQ, W0NWX, W4ZQ and W3FBX.
- #7. FIRST YV/W QSO!!! - Was between YV5DE and W9FIM November 20 1954/ -- Then followed QSOs with W8GDQ, W9PNE, W1BB in order, the next day Nov. 21st. We are grateful to "Mick" for QSOs.
- #8. First HB9/KP4 QSO when "Ev" QSO'd HB9CM on 2/20/55 - this makes 17 Countries for "Ev"
- #9. FIRST (So far as we know) USA/S.A. Phone QSO, when W0NWX worked YV5FH March 13th.
- #10. DXPE DITION!!!! TI9MHB, provided a thrill on 160 and another First, when opening up from COCOS ISLANDS 2/20/51 0500-0800 GMT, the following were worked. A new Country, with W0NWX for a FIRST!!! - He also worked in order -- W4KFC-3EIS-LBB-3DUY-9NH-8ANO-9PNE-3KLA-2QHH-12L-TI2BX-9FIM-9CVQ-6KIP/6-YV5DE and 3RGQ.
- #11. First YV/g - or YV/Europe QSO February 6th 1955 when YV5DE and G5JU QSO'd.
- #12. FIRST!!! USA/Columbia QSO, Mar h 20th when W1BB worked HK4DP at 0540 GMT, followed by W1ZL and W8ANO. Incidentally, this was HK4DPs First EVER QSO on 160 meters.
- #13. FIRST!!! USA/HONDOURAS QSO March 27th. W1BB/HR1LW at 1015 GMT through terrific QRM. Followed by W3RGQ at 0447. This was also "Loui's (Hr1LW) First CW Contact - and also First QSO EVER on 160.
- #14. FIRST!!! USA/FAR EAST QSO, when W6KIP/6 worked VS6CQ April 3rd 1955 5.05-5.25 AM PST, at DAWN. VS6CQ using only 10 watts has been trying for USA QSOs 3 years - the only 160 meter signals heard in that time were VS6CZ, a ZL and then W6KIP/6

#15. FIRST "WAS"/PHONE made by W8GDQ - F.B.!!! This is Second
160 WAS. (See No. 14 1953)

#16. SECOND CW "WAS" - and THIRD all time WAS, Made by V2QHH

- W/VEs working DX were:-- W1BB, AHX, VDB, LYV, ZL, ORP, SFE/1, ERX, UKS, YAA, ME, BIL, WY. -W2EQS, GGL, VHH, WWP, K2EDL -W3EIS, RGQ, KLA, DGM, VAN, FBX W4VNE, KFC, ZQ, LXA, INV, LCV - W6KIP/6, VBY -W8GDQ, ANO, KIA, NSF/9, PEV, DUY, PCS, WCL - W9PNE, FIM, CVQ - W6NWX -VE2WK, VW .
- Other W/VEs HEARD only by DX were;-W1BMW, WM/2, CF, LQ and VZE -W2MX, P PP, HX, SKE, K2BWR, BVN, WH, VZ, CF, DLO -W3LRN, KMS, RWH/4, H1H - W5CZ - W8 W8PCS, BMJ, SHP/1 - W9CZT, NH - VE2NI - VE3AAZ
- DX working W/VE were:- G2AJ, PL, HX, NX, NN -G3PU, ~~W3E~~, GGN, JOJ, JVI, BKF, ERN, JEA -G5JU, RI - G6GM, QB, LB -KP4KD, KP4CC - KV4AA-HB9CM-OK1HI, LM, AJB -OK3AL, VV, DC -OK2AG -ZL3RB, ~~W3E~~ -ZL1BY -EI9J -GI3IOS - TI2BX - TI9MHB- LU3EL - YV5DE, FH-V03X - V4KVM/V06 - VP7NM, NG.-HK4DP -HR1LW XE 20K-KH6IJ
- DX HEARD only by W/VE ---G3HRW, G6QB, LB -OK3VV -YULGM -TI2WR -

- 1955 JUN-AUG -SUMMER 160 meter DX!!!! -Some of the boys believed that they could dispel the myth that DX on 160 was not possible during the summer months. (ZL schedules had been successfully worked in the summer)
- G3JOJ, G3GGN and G3ERN started the ball rolling to test this out, by writing several Ws for skeds during June July August.
 - *The Ws responding were W1BB, K2BWR, 3RGQ, 9PNE, 9NH.
 - On July 3rd W1BB's signals were heard by G3JVI at 579 at Sunrise time G land Sunday Morning. G3JVIs signals were weakly heard.
 - The following Tuesday morning K2BWR worked G3GGN 1830KCS for the FIRST!!! summer crossing on record.
 - On July 12th K2BWR worked G3GGN again.
 - On July 13th K2BWR and W3RGQ worked G3GGN
 - On Sunday morning W1BB worked G3JVI at 0325GMT/Heard G3GGN weakly.
 - ~~W1BB~~ W1BB's signals were heard regularly EVERY Sunday morning for EIGHT weeks at strengths from 349 to 589
 - G signals were heard and worked only on 3 mornings. Faint signals on two other occasions.
 - The high static level kept the weak 10 watt Gs from coming thru.
 - Sunrise time - G land , as in the winter, was found the ideal time for signals to peak and make QSOs

- 1955 SEP-DEC
1956 JAN-APR
- This "SEASON" instead of "Tests" every other week end or so, it was decided in cooperation with ShortWaveMagazine and W1BB to have the "Tests" EVERY Sunday morning - then, if the in-between Sunday happened to be an excellent one for DX it wouldnt be missed. This through December to Mar h 1956.
 - During SEP-November, VS6CQ, VS6CW, VS6CZ ran special tests with W8GDQ and W1BB to try and see if QSO could be made. While these schedules were kept regularly every week, no contact or signals were heard. VS6CQ "sparking" these tests has now gone back to G.

1955-1956
SEASON

- SUMMARY of this seasons OUTSTANDING events, follows, and is noteworthy for the large number of FIRSTS!!!
- #1 - "FIRST!!!" - DL/W QSO when "Shely", W3RGQ worked DL1FF, (Who secured special permission to operate on 160 from Dec. thru Feb - December 8th at 0510 GMT!! -- Followed by W3FBV, W8GDQ, W1BB same morning -- DL1FF was on whole season, with other DLs.
- #2 - "FIRST!!!" - YN/W QSO, December 15th when W2QHH worked YN1AA, (100 Watts) for FIRST Phone/CW QSO, on 1805 Kcs. YN was #59.
- #3 - ZL1AH worked the long distance to G6CJ three times, on Oct. 13, 14, & 15 - ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ Sigs weak.
- #4 - "FIRST!!!" - HE/W Qso on February 12th when ~~XXXXXXXXXXXXXXXXXXXX~~ HB1CM/HE, Liechtenstein, (HB9CM on DxPEdition) worked W1BB at 0505 GMT, after a previous unsuccessful attempt. HB1CM/HE's signals came thru repeatedly and unexpectedly at 0505-0600, rst 229-449. This was an unusual performance on HB9CM/HE's part, and he is to be congratulated. (See separate story, which has been written on this for the magazines, with photos.)
- #5 - "FIRST!!!" - W/VP2 160 meter QSO ever with TOROOLA, British Virgin Islands, LEEWARD Group, when Howey, W2QHH worked FP/8AK/VP2 (W2BBK) on 1801 at 4.40 AM EST March 5th 1956 to receive 449 just as he was packing up to conclude DxPEdition.
- #6 - "FIRST!!!" - Barbados to USA ever QSO, April 6th 1956, when VP6RG, "Ron", a high school Boy, snagged W1BB on April 6th for a report of 429x, BB being 569x. This represented a lot of hard work, perseverance and good planning on VP6RG's part. Of special interest is the fact that the pole supporting one end of the long wire antenna was out in the sea, quite a few feet from shore so that quite a part of the antenna was OVER salt sea water -- NICE !!!
- #7 - "FIRST!!!" - Recorded USA/CUBA Qso on 160. W1BB and CO2BL worked it May 31, 1956 at 0700 GMT through heavy QRN. BB, 559 - BL, 449. "Doc" very cleverly and quickly "Converted" an 40 meter antenna for use on 160 - and it worked out -- well, well enough!!!
- #8 - W1BB's signals were heard, for FIRST SWL report - by Ernest Sprock, in SUPINAM, PJ2CK, South America, on July 1 1956. This is interesting news from a Country rarely heard from.
- #9 - An unusual "FIRST" was made, when after a series of schedules, the team of OM/XYL, ZS2GE/ZS2KZ got across to W1BB on July 11th at 0505 GMT, also September 8th 0400-0440 GMT for the very "FIRST" ZS/W Qso on 160. (A special SUMMER BULLETIN to ~~magazines~~ magazines, covered this event in detail)
- #10 - Another important, and RARE, "FIRST" !! was made by CP5EQ, Bolivia, S.A. putting that country on the 160 Dx map, by working W1BB, July 22nd at 0800 GMT to receive RST 119-349 on QSB, with bb at 449
- #11 - "FIRST!!!" - British Guiana/W Qso by "DAD", VP3AD 119/339 - W1BB the same, on Sept. 12th. The previous week when contact was ~~was~~ about to be established "Dad"s xyl announced the expected Jr. Opr. would arrive, and the schedule was QRT just in time, but fast!! - A fine little fellow did arrive!! Congratulations!!!

- These summer FIRSTS by W1BB, are the result of testing out his theory that when it is Summer up North, it is WINTER down South, and conditions would be best for the Southern Countries & it worked out that way - but meant a lot of "EAR DRUM BUSTING" by static, for W1BB to keep these schedules.
- In general it was thought that the EAST/WEST conditions were not as good this year as last - believed due to sun-spot cycle - However, as will be noted - a lot of DX WAS worked, and some have the feeling that 160 meters is the least affected band of all.
- PARTICIPATION was good --Totaling 16/1s, 24/2s, 16/3s, 17/4s, 6/5s, 3/6s, 2/7s, 23/8s, 15/9s, 8/0s - one each VE1, 2, 3. --- Dx as follows: Gs-26/1s, 3/2s, 5/5s, 4/6s, 1/8 --- 3/KZ, 4/KP, 2/VI, 2/GM, 2/HB, 3/ZL, 3/VS, 1/EI, 6/VP, 1/EL, 3/GI, 1/OA, 9/DL, 3/XE, 2/YN, 5/OK, 1/GD, 2/KV, 1/SP, 1/HR, 2/GC, 1/HE, 1/KH, 1/CO/2/ZS, 1/CP and one VP/3.
- WORKING Dx were W/VEs, , , W1BB, AHX, EPE, BMW-W2EQS, QHH, K2BWR/W3RGO, EIS, FBV, TBG, DGM, MSK-W9PNE-W8IL---HEARD only by Dx - K2JIO. ----- W5CGT
- WORKING W/VEs were - G3PU, GGN, KKP, IGW, JEQ, ERN, JVI, FPQ-G5RI, JU, CV, NS G6GM-G8JR-KZ5PB, DE, FA-KP1SD, KP, CC, DH-VP7NG, 4LZ, 9BM, 6RG, 3AD-DL1FF, DA-XELA, OK-YN1AA-GD3UB-KV4AA-HR3HH-KH6IJ-ZS2GE, KZ-CP5EQ-CO2BL --- HEARD only by W/VE were G3HWI, ILO-TI2BX-EI9J

FEB 9 - 1962

Thankyou so much for your kind letter and the reports on W signals on our favorite 160 meter band -- very HAPPY to hear from you, believe me!!! Fine on your HB9/DL/PK1&8 activities as SWL also ----- Your conveerter is doing a fine job with the BC RX I should say --CONGRATULATIONS on the FB work on your own Converter building too ----- Well - here is the copy of the 160 Meter DX Bulletin you asked for - has all the latest - sorry that No.1 and 2 are all used up -- Will be hoping that one of these days I will receive your SWL for W1BB's signals - will make a little note re you in next Bull. Stations you should look for HCLAGI on 1827 1803 and 1995 -- VP8CQ 1827 - HR3HH - XE2OK VP3AD - ZL3RB ZL1AH and many others KH6IJ W6KIP etc etc. ----- I do not have too much time for Ham radio this yearvas my Mother is quite sick and it takes a lot of time to attend to her - I get 160 meter work done by HEROIC efforts - so I will not be able to enter into correspondence with you - but did want to have a little chat at the start to answer your kind note. Am also enclosing some early data - the LETTER that is sent each year in the fall on 160 meter activities - it is the same exch year except for the DATES. ----- Now I must run along and get ready for the TESTS tonight --- Hope you have a lot of fun on 160 meter SWLing - and I AM ALWAYS INTERESTED IN YOUR COMPARATIVE REPORTS ON MY SIGNALS WITH OTHER W STATIONS for my survey. -----

W1BB

HAPPY HAMMING/SWLing and 73 de Stew/W1BB

STEWART S. PERRY

36 Pleasant Street
Winthrop, Mass.

JANUARY 31 1961

W1BB -- 160 METER DX -- BULLETIN

1961/1962 - No. 3

W1BB/General Remarks ----- Things are pretty good on 160 these days and the results speak for themselves - 'ole 160 has woke up as anticipated!!!! The DX Contests ahead, ARRL and CQ and WIRAN DXpedition FP8 land Feb 12-25 should bring lots of choice ones!! -----SORRY to learn that DXer K1KSH/Gary is going into USAF until 1966 - stored 160 gear -we'll miss you Gary but will be looking to you to show up on 160 from some rare and exotic DX spot!!! ----- BIG QUESTION "Why is it that at times DX to West Coast and South America are EXCELIENT but absolutely NO Europeans ??? Can anyone figger this out??? -----NEW FORMAT will be used in W1BB DX Bulletin beginning issue No.4. to list DX heard and Worked etc. For example --W1BB/1--G3PU, GI6TK, HCLAGI, EL4A, UB5VF --the UNDERLINE indicates a QSO, and call listed but no underline, "Heard". This will save time and space, and be clearer to all!!!!

W1BB/Summary LOG of SUNDAY MORNING 160 Meter DX Activities

January 7th 1962 --THIRD scheduled TRANSATLANTIC DX TEST -----GENERAL

The TEST started promisingly enough with Lu marker DHJ54/2-1830Ke-DL/Land-1KW - pouring through 559/569 and did turn out real well all over, even though rain static was high, many DX QSOs were made. ---TRANSATLANTIC, Stars of G/land were G6GM, BQ, HB, 3PU, MBN, LIQ-5JU who came thru consistently (QSB) for 2 1/2 hours. Hats off to Harry/6C 78 years young, who came on with his inimitable signal and fist - Cheers!! Harry, as we all wish you many FB years to come with that wonderfully familiar signal on 160! It was good to hear Harry after 4 years absence. Harry writes " I was some thrilled last Sunday to hear W1BB coming over so well, and when I heard my call coming back to me once again, after 4 years off our favorite band - well- I was as excited as a school boy!! EAST/WEST signals were excellent especially around 0800-0900, W6s peak at 579 part of time. OUTSTANDING was KH6IJ/Nose who QSO'd W1BB/1 with 579 rpt both ways. W1BB also QSO'd VE7AKI, W7UBI and K7HDB - 6s roaring thru were WA6CDR, W6HRG, K6BAT ----- W1TX QSO'd G5JU/3PU VFB Roy!!' ---G/SWL/Norm Smith hrd 1BB continuously 0445-0920GMT also 2FYF, VE2AZI/1, VE1ZZ, VE2AYY, LEFN, 2UWD, EIQS, HCLAGI!!! VFB/Norm!!' --- K7HDB wkd KH6IJ & W1BB using new HRO50T which is FB on 160 - a LORAN CUTTER he says W6GDR/Willie, QSO'd KH6IJ, HCLAGI ---W6PKK/Dave Hrd DHJ54/2, G3PU, ERN & HCLAGI!!' W6GDR QSO'd KH6IJ-Hrd VP7NY, PZ1AT. ---G/SWL/Iball Hrd W1BB/1 33 times max 589 from 0445 to 0920 says conc. EXCELLENT. Noted WWV sending only N4 therefore it is again confirmed

that what WWV sends has very little if any relation to DX on 160!!! he also logged
 VELZZ, 2AYY W1PPN - Tnx Bob!! ---Former G/SWL/Peter Day/Now G3PHO logged: 1BB/1, PPN,
 8HBR, 2FYT, VELZZ, 2AYY, K3KMO, HCLAGI using 175 Ft wire 18' above ground - has wkd 7 co
 countries on 160 using 10 watts - FB & beam Peter - he sez "Signals POURING in!!!"
 W5SOT/Chas hrd VP7NY, HCLAGI, KH6IJ ---W1PPN/Cliffe - "Top man on the Totem pole", as
 usual QSO'd Gs 30IT, 6BQ, 3ERN, PU, 5JU, HCLAGI, PZLAT & Hrd G3PGN, OQT, G6HB, GM - says,
 excellent!!! namd opening - VFB!!! ---G/SWL/Davidson hrd 2FYT/349, 1PPN/459, K3KMO/46
 1BB/1/589, HCLAGI/339-QTH 225° up on Hillside facing USA - Nice copy TNX Dave ---Jim
 Sleight/G3OJI tried valiantly to cross but ND-says condx excellent hrd HCLAGI/549,
 2fyt, UWD, JHH, 1BB/1, PPN, VE2AYY, K8HBR/8, VELZZ, 8GDQ, 1TX, K1CTV, ~~XXXXXXXXXXXX~~. K8HBR QSO'd
 KH6IJ hrd VP7NY, HCLAGI ---G/SWL/John Hall - another SWL not hrd from for long time
 had a "Ball" hearing 1BB/1, PPN, TX, 2FYT, UWD, K3KMO, 8PKX, K8JOO, VELZZ, VE2AYY, UB5WF,
 HCLAGI, W6IFH/VP9, VESKE - EXCELLENT!!! ---W9PNE/Brice QSO'd KH6IJ hrd HCLAGI, PZLAT.
 KH6IJ/Nose sure turned in superb performance (As usual) QSO'ing HCLAGI, VP7NY, V's QCDI
 NVX, 9PNE, 9EOU, RXJ, K9TBZ-2FYT-; BB/1-9GDQ-K6CUY-W3LRA-WA6CDR, JPR-K7HDB!!! Says W1BB wa
 hard to get - "Waited 30 years and took 4000 mile personal trip visit to lay the
 groundwork for QSO!!! CONGRATULATIONS to NOSE:: TWO FIRSITS!!! KH/HCLAGI and KH/VP7NY
 NORTH/SOUTH there was REAL EXCITEMENT when supposedly PZLAT/"BUX", whom W1BB coaxed
 in 1956/57 to get on 160 finally did - with FB 1803Kc signal QSO'ing W1PPN, 2FYT, IU, C
 QHH and G3GOF. (1PPN now has 1 to go for WAC/160!!!) - someone made a FIRST PZ/W QSO
 but not sure who it was yet - havent heard from PZLAT - and incidentally his
 authenticity has been questioned - not confirmed as yet. ---HCLAGI/Don, quite Equado
 on agn VFB sig wkg many Ws w/ 400 Watts bear 1807kc. VP3AD was expected but not hrd
 ZL3RB/Misk!!! Hrd W6KIP, KH6IJ, K6HX, WA6CDR (but no Eastern V/Ves) all nr 1998Kcs. Says
 ZL3BC now using 80' vertical Loaded ant/expecting great DX & VKs now on 1840/1860 KCS
 but emergency work only. ---KH6IJ/Nose with that FB Gamma/Match vertical QSO'd 1BB/1
 579 & HCLAGI ---W6CDP QSO'd HCLAGI ---G3PU/Ern QSO'd W1BB/1, PPN, TX, VELZZ, VE2ATU, VE2
 VE2AYY-Hrd: 2FYT, GGN, UWD, K8HBR/8, HCLAGI/339 at 0730z VFB Ern!! --- "NOW HEAR THIS!!!
 G/SWL/Geo Allen hrd 1BB/1, 2UWD, VELZZ with antenna laying on ground and buried insce

January 14th 1962 -- Non/Scheduled 160 Meter DX --TRANSATLANTIC:: The band ju
 didnt sound right for DX at the start - No DEJ54/2 - and sure enough there was
 absolutely NO European DX, although weak unidentifiable signals were hrd at one time
 NORTH/SOUTH:: Conditions were not perfect-lots QSB/QRN, however stars HCLAGI, HR3HH, X
 XE2OK QSO'd lots Vs with fair to good signals. WEST:: KH6IJ turned in another VFB
 performance wkg many Ws as did HCLAGI. Congratulations to W8PKX, QSO'ing HR3HH 569
 both ways!! W2KQT, 3GJF, 1BB/1 also QSO'd HR3HH 7w/1fh. --- HCLAGI QSO'd W1BB/1, ~~XXXX~~
 ME, WA2KWH, 2FYT, K8I, Q, QCDR & Others. ---W8JIN/Jim QSO'd HCLAGI, KH6IJ. --- That fellow
 NOSE sure does VFB DX on ANY band!!! ---W9PNE/Brice QSO'd KH6IJ Hrd HR3HH, HCLAGI ---
 G/SWL/Iball "Heard No DX" but says, G3OLM called HCLAGI & G3MCN called EL4A --- A
 very INTERESTING NOTE from G6JB/Tommy/SWM DX Editor says no V/Ves audible, BUT,
 HCLAGI booming in 559-569 and all Gs calling him FRANTICALLY but no QSOs -- W1BB/1
 only W/Ve station heard in G land, and weakly by G3PU.

January 21st 1962 FOURTH Scheduled TRAN SAT LANTIC DX TEST ----GENERAL::
 Band sounded quiet before test - WWV/N6-but at 0430z G/DX began coming thru, with
 G6GM, BQ, 3PU, IGW, OIT, ERN putting on a good show up till 0815z QSO'ing many V/Ves --
 At 0745-0815 we were thrilled with G16TK coming thru for several QSOs ---V6VEH/VP9
 QSO'd a lot of W/Ves ---- DX Hunting was MARRED to some extent by W/Ves crowding
 close to 1825Kcs and blotting out the weaker DX up to 1830Kcs - also several station
 were off frequency briefly above 1825, taking out DX too----- It is hard to
 UNDERSTAND??? why??? Dx from G land was fair to good and there was absolutely none
 to the South and West - can anyone explain this?? W5SOT/Chas has theories about Jet
 streams, ionospheric vlouds, radioactive waste and all that - any dope??? W1PPN/C11
 was "Top Man on the Totem Pole" again, QSO'ing G3CHN, ERN, IGW, OIT, OQT, PU-5JU-6BQ-GM-
 G16TK-V6VEH/VP9. INCIDENTALLY CLIFFE INTENDS TO VISIT VP9EP IN APRIL AND WILL EITHER
 BE THERE AS W1PPN/VP9, or VP9EP - FB Cliffe - we envy you!!! ----- W1BB/Stev-
 QSO'd G3PU, IGW, CHN, ERN, 6GM, BQ, G16TK, V6VEH/VP9 - eight stations. ----W2EQS/Chas QSO'd
 G3CHN, PU, IGW, 6GM, BQ, 5JU, G16TK, V6VEH/VP9 Hrd G3ERN, FPQ, PJA, HR3HH VFB Chas!! ----And
 Chas says - and W1BB agrees - when a lot of stations are trying to work a DX station
 in the W band they SHOULD NOT CALL ON THE DX FY, as they needlessly QRM each other.
 Use usual DX procedure on other bands - call him 5kc up or down - much better for
 everyone!! Please QSY off his Fy EXPECIALLY if you want to make a long-winded call

KH6IJ/Katashi noted DXer says he can work THREE other stations sometimes, while some of the long winded callers are calling him - Nuff Sed!!!! ----- G/SWL/Smith sends in usual FB rpt hrd 1PPN, BB/1, TX, 2EJS, UWD, FYT, GGL, KQT, IU, TR, K2PNT, 3GRF, RFA, 4KFC, VNS, 8NSF, K8HBR/8, VEH/VP9, VE2AYY, VE1ZZ VFB!!! ---G/SWL/Bill Williamson, Heard HR2HH on 1900 ---W1TX QSO'd VP9EP, VE1CO, G3CHN, IGW, ERN, PU, 5JU, 6BQ with high noise line W/CDP/Bing QSO'd KH6IJ he couldnt hear Gs - sorry Bing ---Tommy/G6QB/SWM/DX Editor hrd W1BB, PPN, 2EQS, FYT, HUG, 8NSF, VE2AYY. Says band VFB -----G6BQ who crosses regular uses half wave dipole 65' high in center ---G6QB hopes to ~~cross~~ cross soon altho ant poor and Pwr Limited only 10 W Says 1BB, 2FYT loudest signal this date w/ 2FYT taking top honors by 1 "S" unit -----G3PU/ERN QSO'd 1BB/1, PPN, TX, 2EJS, FYT, GGL, HUG, KHT, KQT, VE2AYY -HrdK8HBR, 8NSF, WI, VEH/VP9 -----W4KFC/Vic QSOs HR3HH, VP9EP, G3CHN HrdG3PU, 6BQ, VEH/VP9 & says "Wish we could get some action to ease 160 restrictions especially the 50 watt limit"--- we too Vic!! -----G/SWL/Iball usual FB Report 1BB/ TX, PPN, 2FYT, FWD, IU, GGL, 8NSF, 3GRF, VE2AYY many 569-579 Trx!! -----VE2AYY/Mike QSO'd G6BQ, GM, 3CHN, PU, 5JU, G16TK Nw has 7 countries on 160 Congrats. -----G16TK QSO'd, 1BB/ PPN, 2EJS, VE2AYY - he is a bling HAM Frank and is sure putting GI on the 160 DX Map for first time since G13IOS 6 years ago!!! W2UKS/Bill Turns in an unusually FB report for this date, hearing UB5WF, UO5AA, UO5AR, VP3AD, HR3HH, HCLAGI, G6BQ, and hrd EVERY US Call district plus VE1, 2, 3, with his SX28 Rx - !!!!! -----G/SWL/Davison Heard W1BB/1569, 2FYT449, 2GGL339, 2IU349, WA2KWH459. All in all a fine TEST!!

January 28th 1962 Non/Scheduled 160 Meter DX ----- EAST, Conditions did not look good to the East. although G6GM, BQ, HB did finally break thru at 0655 QSO'ing W1BB/1, ~~XXXXXXXXXXXX~~ G/SWL/Davison Heard W1BB only 459. G2MJ Hrd 2FYT. W/CDP/Bing writes "The thing that puzzles me - all that South/West DX but no sign of Europe!!" Puzzles a lot of us - any explanations gang?? ---G/SWL/Smith, Hrd KXXX 1BB/1, 2IU, EJS, FYT, 8CDO, VE2AYY, HCLAGI!!! ---G/SWL/Allen Hrd 1BB/1, 2DKU, FYT, IU, K8HBR/8, 8NSF, VE1ZZ, VE2AYY, GATH/VE3 -----G16TK Hrd HCLAGI/589, VP8GQ/329, W1BB/1/589, 2FYT/459, 8HGW/579, HR3HH/449, VE1ZZ/569, V/IFH/229 - VFB and Congratulations Frank - Now to work those HC/VP/HR!!! --- SOUTH:: W/CDP Hrd HR3HH/569, VP8GQ QSO'd HCLAGI/579 --- W/VE3 Rev. Paul hrd VP8GQ, HR3HH, KH6IJ-QSO'd HCLAGI for his 4th Country!!!! Nice W/VE3 Hrd HCLAGI ---WEST:: W/CDP QSO'd KH6IJ!!!

SSB/DX ----- Congratulations to Dana Atcherly/W1HKK for his double-barrelled cross crossing on SSB JAB 8 2AM EST 0700z when he QSO'd G3CHN and G3FPQ - V.F.B.!!!

CONGRATULATIONS K4KSY -----Got his feel ~~Wet~~ wet on 160 Meter DX by QSO'ing HR3HH J Jan 9 569/599 ALSO!!! Rec'd brand new "YL" Jr Op Jan 6th 222z - Big Doings!!! Tells us HR3HH will also be on SSB within a few weeks.

VK/160 -----Latest de ZL3RB/Mick -"VK are not yet permitted 1840-1860 except for emergency - to use for general hamming is only a proposal/ to become law would require parliamentary approval taking long time" Sorry!!!!

OPERATING PRACTICES *-----Suggestions have been made -- 1. That W/VEs who have previously QSO'd rare DX stations use a little discretion about making REPEATED QSOs, particularly when the band is full of W/VEs who have never worked that Dx, and are trying desperately to do so ---should refrain from making REPEAT Dx QSOs until they are sure the band is clear. Personal discretion and experience must be used because REPEAT QSOs are of interest and gratifying, and should not be dispensed with entirely - but should be at times and conditions as much as possible not to interfere with others who have not made their FIRST QSO with that Dx. REPEAT QSOs could be short snappy type IF made - but as said - personal discretion and consideration for the other fellow must be used - and respected by the others also. 2. That W/VEs should not call and work DX stations in the W/VE band ON their own fy. There are exceptions to this also of course for example, what do you do if the DX zero beats you and calls???

HCLAGI/"Don"/V3EIS ---Sends list of QSOs in order, as follows. DEC31-W6KIP, W/CDP, 8CDO, PXX, 2FYT, 6IUT, 5DWB, K6RCQ, 9PNE, 1BB, 9TGB, 2IU --JAN7:: 6KIP, W/CDP, Va6CDR, K6HKT, KH6IJ, 6NWX, 1PPN, 2GYT (Yes he said GYT), 8GDQmK8HBR/8. This list CORRECTS and superceeds anything previously published since it comes direct from "Don". W1BB wishes to apologize for previously incorrect information. "Don" writes --"The road from

1170 Ft high HCLAGI (NASA Satellite tracking station) down to 9300ft el HCIDC, Don'd home QTH in QUITO is GOOD road but usually covered with heavy fog 40 miles of the way at the time he must traverse it - so it CAN be a 2 hour trip getting him home 5AM or so. His antenna is 300' LW 80' High fed direct from 811A out put Tank. Rx R39 s. local BC Harmonics makes it possible to work Ws only between 1806-1818. This is his "Window" - he cant hear anyone outside that area except West Coast 1975-2000

GI6TK/Flt Lt. Frank A Robb ----- Congratulations and best wishes to Frank - a BLI BLIND 160 meter HAM who has again put GI on the 160 meter DX Map by turning in an excellent performance on Jan 21st QSOing 1BB/1, PPN, 2EJS, VE2AYY. He uses 80% to 1/2 wave dipole 50' in clear w/AR88RX Found mostly 1826-1827. We want to thank his Pal GI/SWL/#7535/W. Dougan, "OSL Manager for GI6TK" who makes our QSLs possible -TNX!!!

SPECIAL SWL MENTION ----- Goes to Bob Iball, for two of the most complete SWL reports ever submitted covering Dec 17th and Jann7th TRANSATLANTIC DX BESTS -- Anyone wishing to borrow them write W1BB - Much CREDIT, appreciation and THANKS Bob

MISCELLANEOUS TOP BAND ITEMS ----- V/TUT/S.J. Prewitt, Hayden Colorado is very interested in "I.S.Y" Propagation study and glad to discuss with those interested - wants info on European Marker stations. His signal well known on both East and West coasts, Now working on 60' mast - Cheerio and luck!!! ----- W8KIP/Alex, reports conditions much improved over last few years. Says HCLAGI on 1807 also Hrd VP7NY, XE1OK, KH6DVD, KH6IJ. Wishes all the boys HAPPY DXing on 160 ----- W8PKK/Dave Hrd HCLAGI & reports many western stations on, giving Washington/Montana/Colorado/Neu/M.N./Oregon & Calif. - Go to it you State and County Hustlers!! Tnx Dave ----- W8GDC/Willie made a new Country for No. 27 when he QSO'd HCLAGI - Congrats!! --- G3PO/Ern is doing his usual VFB Job - says UBSWF, OKLACC and LB1FA on 160 --- G3OJL/Jim trying hard to cross with 10 watts and dipole Ant w/600 Ohm feeders - hears w/stn regularly - look for him!! ----- W9MFM/Van writes of his interest in 160/watch for h ----- W0GDP/Bing did FB Dec31 QSOing HCLAGI Says QTH is Don McClennon, TAMAYO 10.1 QUITO Ecuador. --- GetTAKE NOTICE W0GDP says if you use 1998kc, condx are much more favorable to work Ws, W9, etc. --- W2GHK/Stu, also shows interest in 160 may become DX man --- GM2BUD/Dave, writes he is sorry not to be more active on 160 due to health - this famous 160 meter DXer we really miss - he has however "made it" several Mornings - sorry Dave - b.c.n.u. ----- ARRL TO BE CONGRATULATED for their try to get additional privileges on 160 - here 's hoping - Suggested 3 USA Zones - Stations in all Zones to operate on certain segments and certain powers. ----- AUSTRALIAN SWL/"Chas" THORPE is on/hasnt hrd any DX yet but lives in hopes - which of us will be his FIRST?? Incidentally his 160 interest aroused when he heard a broadcast tape interview of W1BB by W2SKE, Voice of America Broadcastm on the subject of 160 meter DX - he wrote to W1BB for further information. Get ' around!! GENF/Harold Benson, of 1951-1957 160 DX Fame, cant be on 160 much but listens now and then - Hrd W1BB's antenna tests DEC10 Clearly and sent VFB report - ill try to get on. --- NOVY/V2OHH, Certificate Collector Par Excellence (Top-Man!!!) is Psych-on at JUST the right time for unusual DX - How does he do it?? Wish I knew!! --- Willie/W8GDC has SSB on 160 but voluntarily promises not to use it during CW DX periods - Tnx Willis --- W5SOT/Chas, has theories about ionic clouds, jet stream, general Wx and DX on 160 that are very interesting - believes that they are all interrelated!! --- VE2BY/Rev HAM, plagued w/Equipment&StormAntenna troubles - so has been on much but V/Pal/VE3EWY 2nd op have G2PL Skeds w/Valiant --- G/SWL/Iball has sent VFB Rpts Nov 9, 26 - Dec 2, 17, 24 - and of JAN7th says "THIS was THE Day!!!" W5SOT/Chas Tested antennas on receiving. Feels Vert did better job on all except HCLAGI - hasnt good antenna yet at new QTH for Transmitting - Very interested in 1 propagation and Convinced Ionosphere conditions determining factor - suspects continental patches/isotherms, or ion clouds are important factor. (Chas we agree how account for fact W1&2 to W6&KH DX good and No European DX certain Mornin) Also suspects USSR Atomic tests w/large Electron/Ion clouds could be affecting 160 transmission. --- K7HDB/Dick, sporting new HR050T now hears many more signals putting up "ADCOCK" antenna on 50' poles. His problem to increase Signal to LORAN ratio. --- HR3HH/Hal, using ARCS. W8IFW & 2FYT Coaxed him onto 160 1st time since 1956. --- G3PO says W5SOT ONLY 2Mc Signal he has ever heard!!!

75 now and HAPPY 160 meter DXing - 82

February 3 1962

!!! ----- 160 Meter FLASH!!! news de VLBB ----- !!!

FOURTH Annual TRANSATLANTIC 160 Meter DX TEST Jan 21 ---- Was FB Success - Many European QSOs -- Hams thrilled by blind DXer GI6TK/Flt Sgt Frank Robb who turned in splendid performance QSOing W1BB/1, PPN, 2EQS, VE2AYY and HR2HH, VE1ZZ, W6IFH following weekend ----- DX marred and slowed down somewhat by strong V/VEs hugging 1825 Kc bandedge blotting out weak DX -- also by W/Ves Calling DX on DX fy. European DX good - Western/Southern DX very poor.

New FIRSTS!!! are: Hawaii to S.A. and Hawaii to Bahamas QSOs by NOSE/KH6IJ Jan 7
KH6IJ/HCLAGI 0628 and KH6IJ/VP7NY 0755 CONGRATULATIONS!!! ----- Feb 28: South/America
to New Zealand HCLAGI/ZL3RB ---- South Orkney's/S.A. - VPSGQ/HCLAGI ---- South Orkney
/W - VPSGQ/W6IFH No.1 (W1BB/1 No.2) ---- South Orkney's/Canada VPSGQ/VE1ZZ --- Quite
some doings on 160!!!!!! W5SOT FIRST 2Mc Signal heard in Europe by G3PU!!

MORE EXCITEMENT ----- When ZL3RB QSO'd W6KIP, 5SOT and K5VLH Jan. 28 and also heard W1BB/1 and W6CDP, Jan 21.

STANDING DX SIGNALS -- HCLAGI, HR3HH, GI6TK, VPSGQ, G6GM, 3PU, 3ERN, 6BQ, KH6IJ, ZL3RB, GD3UB.
OUTSTANDING SWLs Gs Robert Iball and Norman Smith sending in weekly, very GRAND.

and complete listener reports on W/VEs heard which is very enlightening. Also DX. Congratulations and thanks to Bob and Norm
CAN ANYONE EXPLAIN THIS????? ----- Lots of 160 Meter DX and V/VE HAMS wondering
WHY????? at times DX to West and South from W/Ve are excellent but no European DX getting through at all -- Any Ideas??? Example:: Jan 14 HCLAGI, HR3HH, KH6IJ, XE2OK having a "Field-Day" but NO European DX came thru - Why?????

OLD FAMILIAR 160 METER DX SIGNAL G6GM/Harry, 78 Years young and still "Thrilled" working 160 Meter DX is back on the air after 6 years absence and doing outstanding work with that old familiar signal and FIRST of his!!! VFB!!!

FIRST SSB QSOs on 160 ----- Dec 21 W2FYT/G3CHN ----- Jan 8th Double-barrelled one W1HKK to G3CHN and G3FPQ

FIFTH Annual TRANSATLANTIC 160 Meter DX TEST February 4th 1962 ----- Conditions Europe Fair to Good with Gs 3PU, ERN, CHN, 5JU, 6BQ, 6GM making a number of QSOs. Excitement of the Morning when HR3HH/Hal reported hearing G3PU - his FIRST!!! several times - no QSO resulted however. ----- Conditions to South and West poor HCLAGI QRT Early and XE2OK was on only briefly.

PYL-15652/Rolf:

MAR 11 1962

Here is all the latest on 160

Thanks for al your fine assistance this year

If you can help me line up a PY HAM that will QSO me

Or make private schedules - would much appreciate

Happy summer and 73 de Stew/W1BB

ROLF - I am enclosing some PUMP literature that may be of interest - apparently you are in same line of business that I am - eh??? CLENZ s/a BOMBA!!!

Also am sending you our 1962 calendar via slow mail

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop, Mass.

Please be sure not to forget to line up some HAM who will make schedules with me on 160 - I might even send small 160 Tx if necessary if can find reliable fellow - most so far havent been reliable - did not keep schedules etc and only want wanted me to send them somethings.

FEBRUARY 28 1962

W1BB -- 160 METER DX -- BULLETIN

1961/1962 - No. 4

de W1BB/General Remarks --- Well!!! The last regular TRANSATLANTIC DX TEST has come and gone, and the CQ-CW-MW Contest is over - so no doubt DX activity on 160 will begin to slack off - as spring approaches!! --- 1962/1961 Season hasnt been as good as some expected, or as bad as it could have been. This comparison, for example, of total number of different DX stations worked by W1BB each year, might be of interest however. 54/55-19, 55/56-26, 56/57-20, 58/59-4, 59/60-5, 60/61-11, 61/62-27!!! It indicates a definite cycle, corresponding with Sun-Spot activity, and improving!!! --- While 160 DX isnt completely done for this season - more DX will be worked - apparently we have had about the best of it for this season - or have we????????????? --- Dont forget the new "Format" wherein underlined calls indicate QSOs, without the underline, indicates "Heard" only. ---- The reports from participating stations, & SWLers are just grand!! Keep 'em up and TKS!!! ---- Reference IQSY - it has not yet been determined if 160 meters data which might be collected, would add enough knowledge to Ionospheric conditions to make the venture worth-while, as the 50Mc Data was for IGY -- More on this later. --- There will probably be one more Bulletin this season. ---- Occasionally an error, sometimes due to W1BB fault, and at other times not - creeps into this bulletin --- Please excuse the "Human-Element" O.M.s - However on the whole, information herein is believed to be 99 and 99/100 % Pure!!!

W1BB/Summary LOG of SUNDAY MORNING 160 METER DX Activities:::

1. February 4th 1962, FIFTH Scheduled TRANSATLANTIC Dx TEST --GENERAL
At 0000z DHJ54/2 1800k was coming thru 549, a good omen for Dx, At 0500 449. Quite a lot of Snow Static - Vx Cloudy - Band opened up to East, Fair to good - South and W. Poor. ----- EAST -Fairly good Dx - Gs Coming thru at 0530 peaking 0730, the loudest signals lingered until 0820. Gs,3PU,6BQ,3ERN,CHN,5JU got across. Excitement of the evening was new Country heard from when SVWZ reported thru G3PU he was Hrg W1BB 0505-0570 - unfortunately no QSO resulted. Reports as follows --G/SWL/Allen:: VP8GQ, 1BB, PPN, TX, 2FYT, GCL, KHT, 8EVL, K8EVLG-VE1ZZ-ZC4BP-8HBR/8 - Thanks Geo!!! Then G/SWL/Smith: :VP5FH, 1BB/1, HR3HH, 2FYT, 8NSF, 1PPN, 2EQS, VE2AYY-UB5WF--VFB Norm & Tnx!!!

G3PU/ERN:: VE3BQL/SU/1803, SV0WZ, LBB/1, PPN-2FYT, IU, KHT-K2PNT-K8EVG, HBR/8-VELZZ, VE2AYY, -HR3HH -----G2PL/Peter:: LBB/1-HR3HH ----- "DUD"/G6CJ, of "Shadow-Edge" 160 Dx fame, is back on 160:: VE1ZZ-LBB/1, PPN-2FYT, KHT. Says friend ZILAH getting "Hot" on 160 for SO w/HCLAGI & Others -----G/SWL/IBALL::LBB/1 -----G/SWL/Davidson BB/1-VELZZ ----- VE2AYY/MIKE::G6JU-VP5BP. Could have wkd VP5BP except he was too close to 1800k & BC Harmonic - suggests ALL Dxpeditions and DX stay away from even multipliers of 10kc, 1800, 1810, 1820 etc - in future!! -----WEST::Conditions poor A few 6s hrd weakly - no real DX. K7HDB/Dick active, but no Dx.-----SOUTH::HR3HH was star of the evening QSOing quite a few V's. Real excitement, when HR3HH reported thru W1BB he was hearing G3PU - BB Notified PU - tried get them together - but no QSO resulted. This is first G ever hrd by Hal/HR3HH---HCLAGI came on at 0445 Q'ing many times - many V's called him-few QSOs-apparently skip conditions poor and static bad --- A W was hrd clg VP2VL --- XE2OK also on --- BRAZILIAN/SWL/ROLF/ISWL/PY9247 ::W6GBV, 559/239-K8BBI, 349 - VFB & Tnx!!! New Country hrd from on 160!!! VP8GC::W1BB W6KIP, CDP, 5SOT all Hrd VP2ZA ----- NOW HEAR THIS de ZILAH/John!!!-"Stew, I am gradually readjusting my ideas again as the sun-spot cycle takes a dive. I was told this week that you had a test this weekend so took a couple of looks at the band. At 0809 hrd W1BB/1 on 1807kc calling Cq-DX until 0810 RST 339 - would have been better except for summer static" VFB&Tnx John-sure glad you are back on 160!! We'll all be looking for you!! ----- HCLAGI/"Don"/W3EIS :: W6NSF, GIY, FW, WI-K8BBI -- seems like the 8's had it!!! ----- OTHER PARTICIPANTS - W6KIP, 8GDQ, HUT-9JDK, CGL VXO/9-VELDR DX--G2IM-G3CHN, PEK, ORD, LI, OCT, NXJ, MZW, NXV, GGS, BJD, GXP, NMF, NEE-5JU-6B ZC4BP-OK1GT-GW3CBY, PZU-GW8PG-G13NZZ. --- HCLAGI says - "Conditions Lousy" !!!

2. February 11th 1962, Non/Scheduled SUNDAY MORNING 160 Meter DX #1

GENERAL --- Snow Static QRN/S7 at 0430 as snow storm passed thru Eastern USA, cut down DX on what otherwise might have been a real good AM - all in all this was a rather poor Dx morning. ----- EAST - No Dx hrd at W1BB - Marker DHJ54/2 not hrd. G/SWL/Allen::LBB/349-2FYT/239-CN8PZ-ZC4BP-SV0WZ-EL4A-UB5WF -Tnx Geo, --- GSWL/Smith LBB/1-2FYT-CN8PZ-Tnx Norm!! ---GSWL/Davison::LBB/1-CN8PZ QSOing G6BQ @ 0516/1905k SOUTH --- HR3HH QSO'd W1BB/1 altho going was ruff w/S7 QRN!! --- HCLAGI/Don, report "QRN so heavy all reception hopeless"!!! --- VP8GJ, apparently QSO'd W3FBV & W2FYT No confirmation, --- W9PNE/Brice:: VP8GJ/1801/339-HR3HH ---HCLAGI did hear HR3HH VP3AD/"DAD" Daly was on and QSO'd VP2VL589 Tortolla Island, (Box #45 P.O.)-"Dad" and VL were both real excited for their FIRST EVER VP3-VP2 160 meter QSO!!! Congr to both - "Dad" thinks 160 good for another month at least. He also hrd, W1BB/1-2FYT-K8HBR all 569 --- PY/SWL/Rolf-NITEROI BRAZIL!!! Hrd VP2VL/449 & VP3AD/239 - sure nice to be getting SWL reports from Brazil - not to get a 160 meter Tx going there!!! Tnx Rolf!! ---WEST - W6KIP/349 QSO'd ZL3RB/139 @ 0800 - CERY FB!!!!

3. FEBRUARY 18th 1962, - SIXTH ANNUAL TRANSATLANTIC DX TEST

GENERAL - Quite disappointingly poor - of all Mornings - on the last, 6th Annual Transatlantic DX TEST - and also the ARRL Dx Contest to have the QRN "Gremlins" at work spoiling things!!!! SKIP, all directions, pretty good - however, S6 to 8 QRN covered most DX stations with a heavy blanket - nevertheless, a few lucky Stns did succeed in breaking thru for ~~ARM~~ QSOs. ----- NORTH - V1RAN/FP8BX DxPedition expected on - did not show. ----- EAST - The European Dx conducted a battle royal with QRN, pushing thru occasionally to QSO on "Peak" conditions. G3PU:VELZZ -- G6BQ:VELZZ - G3FPQ:1PPN -G6GM:LBB/1 - ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ - W3EIV:G6BQ - W1BB/1:G6GM, BQ, G3FPQ - VE1ZZ:G3OIT and others --- GSWL/Allen: W1BB/1, PPN-K1DSV-2FY 2EJS, KHT-3EIV-K8OR-VE1ZZ-V01FB-HCLAGI-VE3BQL/SU-SV0WZ - Fine list Geo!!!/Tnx!! --- GSWL/Smith:LBB/1-2KHT-VP5BP & other unidentifiable signals Tnx/Norm!! --- K4KSY/Drayton hrd only DHJ54/2 weakly at 0330 - QRN S7/8 --- GM3IAA/Jim MacIntosh Hrd W1BB/1 - says "It is strange why our Northern stations do not get across so we on 160!!" Their strictly low QRP has something to do with it no doubt!!! Jim used to operate a TELEFUNKEN 5 KW Spark Tx at Assiut Egypt - some difference!!! GSWL/DAVISON:LBB/1/569-1PPN/459-2FYT/449-VELZZ/559 - Tnx Henry!! ----- SOUTH - VE3CJ/Noel Eaton, Vacationing Canadian Div. ARRL. Director broke thru as VP5BP, Grand Cayman Island Working W1BB/1, 3RFA, 4YHD, 8HGW, and probably others for NEW COUNTRY QSOs. (On Saturday Night 17th QSO'd W1PPN). --- DON/HCLAGI/W3EIS, apparently was having QRN problems too. Many W/Ve frantically and frustratingly calling, 0730-0800 w/no Ans. However he did QSO W1BB/1, 2iu, MSK-4KFC, YHD-6KIP-K6ZH-9PNE-KH6IJ - VFB D WEST - Practically NO Western Dx heard at all except W6KIP and only for brief time

ADDITIONAL PARTICIPANTS - W/VE: 2BWR, SSC, GGL, QHH-3GOF, CJ-4OMW-K4KSY-8GDC, TSD-K8HBR
78, IQC, RRR --- Dx: VP8GQ-GI6TK-GM3NHC-GM3IAA.

FEBRUARY 25th 1962 - CQ-160-VW-CW-CONTEST --- GENERAL - Hoped for A-

Contest/Dx conditions did not materialize - principally due to high static levels. M
Dx was in there but could not be copied or worked thru QRN - although some, was
All in All, a good TEST was had however - everyone seemed to have a grand time, and
a lot of new stations were heard from!! CQ will carry the results. W/VE - W1TX/Roy;
FP8BX, W6VEH/VP9-HC1AGI-EI9J-HR3HH & others for score of 10,430 in 11 hrs - Not bad-eh
had had 60 cycle line noise!! --- W1BB/Stew: VOLFB-W6VEH/VP9-FP8BX-HR3HH-HC1AGI-G3CH
GDSUB. --- W2UKS/Bill - KH6IJ-EI9J-G6BQ-W6VEH/VP9-HR3HH-GDSUB-XE2OK-FP8BX - Tnx Bill
(Not QSO'd) --- VE2AYY/Mike: "Had a ball"!! 152 QSOs including FP8BX-EI9J-HR3HH-
W6VEH/VP9 - now has 10 Countries on 160 - says Cdx poor to West. Hrd XE2OK, GDSUB, G3CH
Score 11,760 ----- Willie/V8GDQ - had some fun, but snow static terrific - missed a
few good ones. ----- EAST - A LOT of Europeans were on for the test, but between
QRming each other, and covering up DX, they had a lot of trouble with the QRN also!!
Gswl/Allen: W1BB, FRR, MR, PPN, TX-2EJS, FYT, IU-K2BWR, DGT-3ECR, EIV-4KFC, YHD-8GDQ, HGW-VE1JX
VE2AYY, 3KEE-VOLFB-W6VEH/VP9-HR3HH-EL4A QSOing Gs & OKs but no Ws - Nice going George
G3PU/ERN, says "Without doubt, best opening of season BUT ruined over here by lot of
QSO's in Contest calling "CQ-DX" on top of W/VEs - they were even on W1BB's Fy even
when you yourself were calling CQ or working another station - I cant understand
some of these chaps!! On top of that, W stns did not seem to be tuning our Fys - I
packed up after 50 Mins fruitless calling!!! Ern heard: W1BB-2FYT, HUG, IU-K2DGT-4KFC-
4YHD-8GDQ, HGW, NSF-K8HBR/8-W6VEH/VP9-VE1ZZ, 2AYY-VOLFB-HR3HH-FP8BX!!! --- G3CHN/Roger
W1BB, ME, PPN, FRR-2FYT, 3GOF-4KFC, YHD-EL4A-EP2BK-OK1ZL, NR-UB5WF-VE1JX-HB9T-ZC4PB-VOIDX
W6VEH/VP9 589 at times!!! and many others hrd - however "T" was a bit of a carve-up
at times" ne says but very enjoyable, bringing in no less than 4 new ones!!! K8HBR/A
HC1AGI-HR3HH-W6VEH/VP9-KH6IJ-XE2OK. Score 12,792 for 152 QSOs - 3, Dx and 39 Mult.
Hrd no Bu in FEB - Al leaves for his job - sailing on the Great Lakes, shortly - Top
loaded ship antenna that he appropriates for 160 DX goes with him - best luck Al!!!
Gswl SMITH; W1BB/1, AWP-2FYT, UWD, IU, GGL-K2DET-4UK-8HGW-K8HBR/8-VE1ZZ, 2AYY-9PNE-W6VEH/
Not also sent in FB list for 24th also - tnx & Congrats!! --- CYPRUS HEARD FROM
AGAIN ZC4PB/GERRY BATEMAN - With low power and poor antenna - single wire 15-20' H1
made 8 Bu. QSOs Hrd Between 0222-0430z the following: W6VEH/VP9, W1BB, PPN, ME-4YHD-3G
3GOF-8HGW-K8HBR-No VEs hrd. Stan called Ws using 1827Kc but ND - Unfortunately - Tha
a million Stan!!! --- W1PPN/Cliffe: G3CHN-GDSUB-G3IGW-EI9J. ----- WEST - W6YC/Gene,
using 235 ft LW on small 30x120 lot QSO'd 25W States, VE, KH6 & XE1 - heard W1 & VEs
and also HC1AGI/579 but could not QSO him!! --- NORTH - Nil!!! --- SOUTH - HC1AGI
: W1BB, TX-K2PNF, DGT-3GOF, EIV-4AE-8GIY, GDC-K8HBR/'-9YT-8GBV-VE3KE-XE1OK-HR3HH-YN1AA.
"Don" says his problem hearing DX - his European listeners mail is terrific - but
he doesnt hear 'em - "Two whole nights without sleep - wonderful conditions - but
only 39 QSOs!! Don corrects BULL No.3 - HC1AGI is 11,700 Ft high - not 1170!! ---
00000000Ps!!! Sorry!! (Don also had nice string of 23 stations QSO'd on 24th) -----
NEW COUNTRY HEARD FROM - PJ2AE/Stan - Who says he cant operate on 160 - regs - but
thought we would be interested in signals hrd, as follows:: W1BB/1, PPN, ME, NSF-2FYT,
NVD, IU-K2DGT-3V, GOF-4YHD-8HGW-K8RRH, MBR/8-9YT-W6VEH/VP9-8BDS. We certainly are
interested and Tnx millions Stan - and get after those PJ Authorities to allow 160!!
ADDITIONAL PARTICIPANTS None not already mentioned!!!

MISCELLANEOUS TOP-BAND ITEMS ----- W6KIP/Alex QSO'd HR3HH & HC1AGI - Is disappoint
there is so little DX to West. Has "Rectification" Problems with his antenna towers
causing QRN - says "Noise here remains tremendous problem and I dont know WHAT
I'd do without noise balancing effects of receiving antennas - although it cuts down
on signals - it still gives much better signal to noise ratio, and I seem able to hr
all stuff fellows in QUIET spots hear"!! ----- GSNF/FL-SHB-CK!! Jan 7th Harold Hrd
VE2AYY/57-VE3KE/57-VE1ZZ/57-W1BB/57-HC1AGE/33-W2UWD/45-K3KMO/45-W8I/33-3NTX/33-1CTV
--- Tnx Hal!! ----- GM3IAA/JIM, A real O.T. -1914-1915 R.E. Wireless Ass'n
O.T. - Heard Jan 7th W1BB/1-569, IPPN/349, 1TX/349. He is Ex VS1AA-2AA, 2AF. In 1934
Improved WINDON antenna which is written up in RSGB handbook -- He is looking for Dx
Contacts!! Nice to have you with us Jim - Good Luck!!! (Has just wkd W1BB & IPPN!!!)
----- BRAZILIAN/SWL-ISWL/PY9247-Rolf Rasp --Checks in with Vy nice ltr & fm now on
Will log 160 stations and QSL - has been HB9SWL 5 yrs - also DL, PK1, PK3 - has conve
into 10 tube BC/Rx Home Made. Sure nice to hear fm PY - Tks!!! ----- VE3DU/Dave
on 1898 Ke every Sunday 9500 -

W/VAIH/VEB - Loran does not bother there (Lucky boys!) However TV puts birdies 1825-1827 messing up E/Dx-Think Cdx not nearly as good this year as last (Dont understand that dave!!!) Jan22:G3CHN,HR3HH,HCL1AGI - Tnx Dave!! ----- W6KIP/Alex sez Europeans who want to work W5,6,7, MUST use 1800-1805Kc - hopes for 160 in KL7 someday - Trying for ELAD & WOLL on 160? ----- K7HDB,JAN27:2FYT,UWD rapid QSB -Jan 28 1BB/1 ----- Does anyone have a "Yen" for WHALE MEAT??? write Dick!! ----- V2TR/Geo -"We dont hv much time for HAM wk, but when we do, it is the OLD TOP BAND, although things are rough at times, we enjoy 160 meters best of all!!! -----K4KSY/Drayton - "Notice that West Coast stations come in hr quite early of late - sigs break thru literally- everything is quiet on top band - then suddenly they appear-early as 2030est-several nights exceptionally good as low as 1980kc - Alas!! cant seem to wk 'em!! Does this fit with study E/W Cdx?? ----- WE ARE SORRY that one of our most reliable & well known 160 DXers BRICE/V9PNE is plagued with ulcer trouble requiring strict diet - but worse of all enforced sleep schedules that cut out much 160 Dx activities - better obey "DR's orders" tho - get it over with - and then BACK TO 160!! Best luck Brice Fm all of us. ----- W/CDP/BING says skeds w/ G3PU,6HB-EL4A-DL1FF on 1999 did not wk out - Hrs VP8G well on 1827 - HCL1AGI best on 1995 ----- OH3NY/Matti - Continues efforts to get FINLAND Govt allow 160 agn - Keep up the good wk Matti!!! ----- HCL1AGI/Don rpts FB string QSOs Jan 14 & 28th --14th:1BB,ME,2KQT,FYT,IU,WA2KPH,8GDQ,JIN,K8I,Q, HBR/S,K6ZH,KH6IJ,2NW,X,CDP,IFH --28th:1BB/1,2IU,FYT,UWD,GGL,K2LWR,3RFA,GOF,6KIP,8FGK, FW,IQSmLOF,HRV,NSF,HGW,K8HBR/S,6EUQ,CDP,IFH,VP8GQ,VELZZ,ZL3RB!!! W/VAIH/VEB ----- EL4A/Ken - reports via Ham Radio "Been hvg trble w/Kw rig but expect hv fixed soon!! -----K7ICW/A1 - has new Hy-Tower coil loaded Vert. 160 ant!!! Says DX poor this yr but QSO'd KH6IJ-line noise terrific - going to hit CQ-W-160-CT hard this yr agn!!! -----V2UKS/QSO'd VP3BH/1804Kc Feb 19 - Hrd FP8EK/1827k,20th-sez QRN HIGH!! ----- SORRY TO HEAR?W8ANO/Waldo - has sold 160 meter Tx&Rx-gone SSB!!! He'll be back - soon day!!! -----Willie/V8GDQ Moans that odx havent been good as expected this yr & w/ power limit/line noise etc has had rough time - sorry!!!!

BOY oh BOY/V2UKS/Bill!!!!!! Feb 21st truned in an incredible list Dx Hrd - UB5WF,UC6O,MVP3AD-HCL1AGI,HR3HH,G3CHN & Others ---V1BB sed to himself - there's something here worth knowing - S00000000 wrote Bill, asking if by chance he had real QUIET location - and here's the answer of 160's UTOPIA!!! "I am Located on an island 2 1/2 miles out in the Atlantic Ocean Fm mainland -plenty water all sides-plenty deep - noise level S2-S3 normal - in Loran S5 - we have NO industry in or nearby/not allowed I'm using Heathkit "Q" Multiplier HD-11 w/SX28 & L.V. 200' long over large parking lot & 40' high. QTH center of city w/4&5 story hotels arnd - resort city/fairly quiet in winter all directions except N - Ant runs E/W-end into shack - ant coupler-Viking II Tx/200w--sure can hear 'em/darned if can wk 'em!! W'l keep trying (And he DID!!) "Ed-Note" -V1BB also had superb reception when band was open one Sunday AM, and he was at Summer QTH 300 miles into Maine away from noises - hearing and working UB5, ZC, many others - Dx sounded like 20 meters - all of which goes to prove that the most important ingredient for 160 Dx is a quiet QTH in the clear.

PROPAGATION - We 160 Meter fellers are especially interested in this - and so for everyone's benefit we copy herewith all the latest dope - Courtesy "FLORIDA-SKIP"- "PROPAGATION CLEARED UP" -!?!?- Propagation charts show an easing up of the rate at which Dx is easing off, This is proof of the slowing up of the slowdown. ---- It should be noted that the slowing up of the slowdown is not as good as an upturn of the downturn which is a good deal better than a speed-up of the slow-down. It does suggest that the propagation is about right for an adjustment of the readjustment!! ---Turning to long skip, we find a definite decrease on the rate of the increase, which clearly shows a letting up of the letdown -----Of course, if the slowdown should speedup, the decrease in the rate of the increase of short-skip would turn into an increase in the rate of decrease of long skip. In other words, the deceleration would be accelerated. ---The charts suggest a leveling off, followed by a gentle pick-up, rather than a faster pick-up, a slow down of the pickup, and finally a leveling off again of the pickup. --- At any rate THE PROPAGATION IS RIGHT FOR A PICK-UP this winter - that is, if you have a 10 Kw rig and a 25 Element beam!!!!" B forecaster Johnny Short Skip/W4SKIP. --PS - How's DX fellows???????? There you have it fellows - and this information should be VERY helpful in working 160 meter DX!!!

73 de Stew/W1BB and HAPPY HAMMING to you - Especially on 160!!!

APR 20 1962

PYswl/Rolf

Here is all the latest on 160 for you with compliments W1BB

Thanks for your letters March 8 and 19th

The reports were very interesting and studied carefully and entered in SUMMARY log here.

Do not know VP2VL QTH - suggest you write VP2VI W2YH T.W. WINTERNITZ, Yardley Road, Menham N.J. - He will know or DX Magazine, Don Chesser, Burlington Ky - they will surely know. Sorry I cant help more.

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop, Mass

I sincerely hope that you can get someone on 160 for schedules with me next fall - or send me likely suggestions to write to.

That SX71 is a real fine receiver - VFB - Know you will like it,

VERY VERY VERY FB on you and PY1NFC -- and with 40 watts if you can build it to cover 160 we can QSO - and make HISTORY - since there has never been a PY/W QSO on 160 meters - and if and when you are ready if you will make private schedules with me , you can win the W1BB CERTIFICATE for FIRST QSOs - I will give you all the needed information on Antennas - and help you in any way possible - just let me know what you need - as long as you will make the skeds with W1BB only until a FIRST QSO. And I assure you that I have a system that will work if you are faithful and persistent!!!

HAPPY HAMMING and 73 de Stew/W1BB

APRIL 10 1962

W1BB -- 160 METER DX -- BULLETIN

1961/1962 - No. 5

de W1BB/General Remarks --- This last 1961/1962 season BULLETIN has been delayed a bit for unavoidable reasons, but the enclosed FLASH supplement was sent to all the Ham Magazines on time. This will be the last Bulletin until the 1962/1963 season opens this fall - unless by chance there may be enough activity to make a summer Bulletin necessary. ----- Yes - it HAS been a GOOD season, a VERY good season on 160!! with indications of possibly better next!! We say "Season" because during the winter months there is more activity and Dx worked in this latitude - the band is quieter, nights are longer, and weather makes it more conducive to staying indoors at the rig. HOWEVER, we must not forget that while it is summer here, it is "Winter" elsewhere and there could be Dx minded Hams willing to work 160. In fact, W1BB wkd ZS in August, and CP in July. Most of us Northern Hemisphere people are so happy to enjoy our outdoor activities in the warm summer months, that our 160 Dx, generally speaking will be QRX until about Oct or Nov. Another advantage however, these periods of activity and rest give more ZEST to the Test when it resumes!!! SOOOOoooo generally speaking QSK till fall and b.c.n.u. then. ----- We cannot end this season, (or any other), without saying many many thanks and appreciation to the SWLs whose prompt and complete reports have added so much to our 160 meter tests. Outstanding, as usual, were reports from G/SWLs, Robert Iball-Norman Smith-George Allen, -- Excellent reports from SWLs - Gs/John Hall, Henry Davison, Jim Sleight -VK4/ Charles Thorpe- PY/Rolf Rasp -- not to mention a number of others who sent in spot individual reports. Next year, it is hoped to make available to any W/VE Hams who are interested and write for them, copies of these reports. "Cheers" to these boys - and fellows, keep up the good work!!! -----W1BB wishes to send thanks and 73 to all the 160 meter gang with appreciation for their QSOs, reports, cooperation and all matters which have led to greater enjoyment of DX hunting and testing on 160

W1BB/Summary LOG of SUNDAY MORNING 160 Meter DX activities!!!!

MARCH 4th 1962, Non/Scheduled SUNDAY MORNING 160 Meter Dx --- General speaking this was a dandy morning for Dx to Europe - Stations "in" for 2 1/2 hours!!!

W/Ve-REPORTS:-WIBB QSO'd 11 stations!! GM3IAA-G6CM,BQ-G3OIT,IGW,PJA,GWX,PU,FPQ,ERN
 QOT - some up to rst589!! ---W1PPN Topped WIBB with 13!!! GM3IAA,W6VEH/VP9,A3-G3PJA
 QOT,KOX,PU,ERN,FPQ,IGW,OIT,MBN-G6BQ- also AM/SSB QSD with G3FPQ - Cliffe on AM -
 Congrats Cliffe!!! ---VELJX:: -G5JU,3CHN,IGW,FPQ ---W8GDO/Willie::G3PU,W6KIP,"Hear
 He ern guys working stuff but couldnt pull 'em through"!!! ---W2UKS/Bill- Hrd Only
 W6KIP,W6VEH/VP9,G3PU,G6BQ ---W6AIH/VE3 QSO'd G6BQ -----EAST- VE3DU/Dave - G3CHN,
 PU,FRQ,6BQ says "Good opening but plagued with S6 intermittent line noise and could
 NOT make QSO through it"-Sorry Dave!! -----G/swl/Smith:1BB/1,PPN-2GGL,FYT,IU,UWD,K
 KHT-8NSF-K8HBR/80VE2AYY-VELJX-"No exciting stuff,a W did call a VP" -Tx Norm!! --
 Gswl/Allen::says "A very good time was had by all-best condx since I came back on D
 trail!! Spent much time on 1.9-2.0Mc hrd nothing-though pptomistic-Willie/8GDQ does
 have the punch of old-wonder if his VERTICAL deteriorated?? -(NO!! Power limit now
 50w instead of 200 his area) - anyway real nice to hear him around again" -Hrd, 1BB
 1/589,AW/349,TX/449,PPN/559-2IU/339,FYT/559,UKS/449,GGL/349,TR/459,KHT/349,UWD/459-
 K2BWR/229,K2HLI/239-3NOQ/239,GQF/239-K5TMF/559-8GDQ/489,NSF/339,FW/358-K8HBR/8/339-
 VELJX/559,2AYY/449-W6VEH/VP9/239 - Tx Geo!!! -----G3OJI/Jim had an exceptionally
 list 1BB/1,PPN-VELJX-K8HBR/8,8NSF-VE2AYY-W2IU,FYT,6FW,K2HLI,2UWD TNX!! ----Gswl/Iba
 1BB/1,PPN,2FYT,VELJX -----G3PU/Ern - "Without doubt best morning of season"!! 1BB/1
 PPN,2EQS,FYT,GGL,IU,UWD-8GIY-K8HBR/8,8NSF,WQV,VELJX,VE2AYY,VE3ABG -----Gswl/Davidso
 WIBB/1/569-VELJX/569-WITX/449-2FYT/239-VE2AYY/439-1PPN/459-8NSF/339 - and proud of
 his FIRST W8!!! -----G3QOT/Dick - Hrd 1PPN QSO'ing/569-W6VEH/VP9/439 CW then changed
 to phone hrd Cliffe 3/5 and VP9 2/3 - also 1BB,AW,2FYT,IU,8GDQ,1PPN,VELJX,VE2AYY &
 W6VEH/VP9. -----WEST:Nil -----NORTH:Nil -----SOUTH- Z13RE reports,"condx
 unusual, extreme slow QSB,sigs rising to medium peak slowly, dying right down thru
 period of 5 minutes. Z13OX hrd W6HRG/459 -We logged W6KIP,5SOT,6HRG,8CDP. It gave a
 ZL gang real thrill hearing Stateside clg "CQ-ZL" and we really appreciate the Ws
 looking for us. Participating were Z13OX,Z13BC,Z13RE,Z13CO and Z13RB"- Tx ZIs!!!
 Another participant this morning was XE2OK

MARCH 11th 1962 - Non/Scheduled SUNDAY MORNING 160 meter Dx --- Early

skt condx seemed fairly good and the band did open up fairly well. -----EAST-1BB
 hrd EP2BK briefly 119-239 0310z, later 0335z G6BQ came thru 579 QSO'ing WIBB. At 0500z
 few other Gs hrd,G3PU coming thru real well. W6/AIH/VP9,QSO'd a number of Ws ---
 G3OJI/Jim-"Cdx rather poor-Pkease ask W2FYT NOT to send QSK 1801ke as many Gs start
 calling there and make mess of Dx band Hr - HCLAGI/VFB!! Hrd1BB/569,HCLAGI/559.3GQF
 439,2FYT/569,1PPN/339 --- G3FPQ/Hrd HR3HH ---Gswl/Smith:1BB/1,2FYT,IU,3GQF --- de
 G3PU/Ern;1BB,PPN,2EQS,FYT,IU,3GQF --- G/swl/Anthony quest;1BB/449-K2DGT/339-3GQF/35
 W9PNE/Brice:: says his son had emergency appendectomy this night so vy QRL,however,
 did hr G3PU/229. Brice feeling better himself - using NAVIGATOR/50w. CQ/CW Contest
 105x38 ---Gswl/Allen:1BB/1/349-2UKS/229-4KFC/229-K2DGT/349/3GQF/459-2EQS/239 -----
 GM3IAA/Jim:1BB/1,PPN,3GQF all 349 - Jim is planning new antenna for next year !!!
 WEST;;; No Western Dx hrd hr or being wkd by others -----SOUTH:;;; Real excite
 ment when WIBB alerted Gs to fact that HCLAGI was on 1826 - thereupon G6BQ QSO'd him
 for FIRST!!!. G/HC 160 Meter QSO ever. HCLAGI gave G6BQ 449. Congratulations!!!!!!
 In addition HCLAGI QSO'd a vfb string K8HBR/8,3GQF,2EQS-This one the reward of many
 hours of trying and a new antenna by Chas -2GGL,K8HUT,2UWD,1PPN. Don hrd & Cld G3PU
 several times but he did not answer. Interesting that G6BQ who was alerted could Hr
 He and G3PU also alerted at same time could not - proves that 160 meter skip can
 be either "in" or "Out" because of short distances separation between receiving QTH
 HCLAGI hrd HR3HH/579 and WIBB/579. -----HR3HH had Fb sig QSO'ing W1PPN,2GGL and many
 other Ws -----W9PNE;HCLAGI/449,HR3HH/569 -----Other PARTICIPANTS- Ws,1TVN,2DGTk,
 TR,UKS,4KFC,MUTK/1,8HUTk,GDQ,HER/8,TYSk,FW,GDQ,ATPwa,VLO,8TUT --G3ERN,LIQ,PGN,GM3IAA
 OKLNR, SWL/Allen,Smith.

MARCH 18th 1962 - Non/Scheduled SUNDAY MORNING 160 Meter Dx --- GENERAL

WIBB had to go to Maine on a business trip/spent one night at old Homestead 300Miles
 N. Boston in quiet QTH - took SX100 and Ranger/50w along. Too busy to spend much
 time on air but did QSO EI9J and Hrd G3PU,ERN-6BQ-OKLZL - what impressed most, was
 the quietness of reception. At WIBB's home QTH Boston, the noise level reads around
 250 to 300 usually, while at this quiet place in Maine it was only 140 to 160 - or
 about HALF and DK signals sounded just GRAND!!! Imagine what a difference this
 makes in weak signal reception - to get away from the Electronic Clouds that
 surround big cities and communities, just like the "Smog" in California - or Smoke
 and haze -same idea. Ph for these Island and remote QTHs for 160 meter Dx!!!

EAST - ET9J:W1BB/1 Maine - G3ERN QSO'd UO5AA - Other QSOs were made. --- G3PU/Ern
 Heard only Wø I have hrd this season WøNW, 1802kc 0610z rst229/459. Also hrd weak
 Wøon 1999 believe WøCDP. Records!!";";; LPPN, TX, 2EQS, 2IU, UKS, UWD-3ECR, GQF, 6NW, VFB!
W2UJ/Bill::G3PU, XE2REG, HCLAGI & QSO'd W5SOT! --- Gswl/Davison::LPPM/459, thru
se Fe QRN --- Gswl/Allen::K2DGP/339-6VEH/VP9/349-K2BDM/339-LPPN/449-30QF/449-
2IU/329-2UKS/339 --- Gswl/Smith::2DGPk, LPPN, TX-3MSK, ECR, GQF-2GGL-IU --- (SOUTH)
VP3AD/Dad hrd LPPN/449 0432 and W3GQF/449 0450 other signals in there but SB and
 static made copy difficult so closed up early "Guess 160 has had it for this season"
 Taz Dad and b.c.n.u. Next for sure!!! --- (WEST) --- (NORTH) --- Other PARTICIPANTS
G3OIT-GI6TK, VO1FB -W/VBS: K1TK, 6HRG, 8UDR, BHUK, 6NW, TUT, LQTK --- SWL/Davison, Allen/
Smith. Activity and Participation dropping off as Spring/Summer approaches!!!

MARCH 24/25th 1962 Non/Scheduled SUNDAY MORNING 160 Meter DX Activities

GENERAL - Dx participants dropping off - QRN very high due to snow/rain static - but
 skip generally quite good - W1BB QRT at 0555 --- (EAST) - W1BB got on early again for
 schedule with EP2BK - hrd each other but no QSO. Also made contact March 22 and 24
 0220z approx. Static very heavy. W3GQF and W2EJS tried for Bob/EP2BK also. W1BB hrd
 him 119/229 to 000. W3GQF hrd him 349 W2EQS could not copy. Skip not as good as night
 before when W1BB not solid QSO resulted. QRN Vy high also - at 0320 G6BQ came thru
 with CQ QSOing W1BB, his 449/BB559-his signals at 0400 still 449 SBing in end out-
 QRN high. W2KJT also took part DXing QSO'd G6BQ/Jack getting 349/449 and giving 469,
W2IU QSO'd G6BQ getting 33/49 Giving 469 --- Gswl/Norm Smith:: 1BB/1, AW-2KJT, IU, E,
K2PNT-3FBV, GQF says "One or two weak unreadable Ws including a W5 at 0617"!! Norm is
 going to slack off for the season - thanks for some wonderful reporting and assistance
 Norm OM. --- W2UKS rpts no DX hrd "Appears that springtime is here" --- (SOUTH)
(WEST) - (NORTH) - Other PARTICIPANTS - 2PSQ, 4WU, 8CJN, 9ZQOK, 6CDP-G3ERN-SWL/Allen & Smith

COASTAL COMPARISON NET - (West) --- K7HDB/Dick writes "There is a tremendous differ-
 rence between signal levels at the Northern Vs Southern stations and I would like to
 get some sort of NET of Coastal stations going to compare reports of signal levels
 during these DX tests in an effort to determine the Southern ends of this zone of
 absorption or whatever it is that is creating the relatively poor Cdx at the more
 Northerly stations. Mainly interested in stations close to shore where Loran is lim-
 iting factor in reception rather than power line noise" Those interested, write
Dick - sounds like VFB idea!!!

INTERESTING !!! W1EAE/Bigelow - of EMV CW traffic NET says that on 80CW with lower
 sunspot Numbers, LONG skip, and short Ground wave are setting in to such an extent
 on 80 that it is virtually impossible to conduct their normal NET. Will have 8 to 10
 stations on and NET Control can only hear 2 or 3 - they are eyeing 160 for possible
 solution to their traffic NET Meetings 6.30-7.30 PM EST. Best of luck Big and boys!

ZL STATIONS - W6KIP/Alex de ZL3RB/Mick, says more ZL activity. Look for ZLs 0720/088
 z around 1975-2000kc. ZL3BC/Joe, ZL3CO/Garth, ZL3OX/Jack & ZL3RE/Art - all active now
 Also ZLIAH. This one FOR THE RECORD!!!! "ZL" -- FIRST !!! ZL/W QSO ever was between
ZLIAH/John Eightman Dec 31st 1961 and W9CVQ - the Second between W1BB and ZLIAH AUG
 16th 1952. ZL1AG has two other FIRSTS!! ZL/G and ZL/VS6. Following closely on these
ZL3RB/Mick became active and due to John's absence, and his own splendid efforts and
 quiet QTH has been the mainstay ever since. We understand ZLIAH/John will reactivate

PROPAGATION de Rod Newkirk W9BRD- "The North Atlantic propagation path to Europe is
 highly susceptible to Magneto-Ionospheric irregularities which do not significantly
 affect South American & Pacific Paths according to Termann" Guess this accounts for
 those shut-outs while HCs & KH6s BOOM in!!! Thanks a lot Rod - Most interesting!!!!

SILENT KEY VP7NM/Chas - 160 Meter Hams especially, are saddened by the death of Chas
"C.N." Albury. Many of us have his card confirming 160 QSO and are proud of it. He
 put the BAHAMAS on the 160 DX map. His presence and activity will be greatly missed
 IN "ZL" LAND EXCITEMENT WAXED HIGH Per ZL3TB/"Mick" and W6KIP/Alex who report that
 during the CQ/WW/160/ow/Contest, Mick/"There were so many 160 meters signals on bot-
 ends of the band QRMing each other from 0700-1200GMT - I never thought I'd live to
 hear the 160 meter bend dish out signals like it. Although I was the only one to
 contact W6KIP, - ZL3CO, BC, OK all heard an earful. Stations were too numerous to log
 Stronger signals were W6KIP, WA6CIR, HCLAGI, W6HXT, W6HRG, K6SHG, W6BG, W6GBV - all audib-
 le to 1200 when I fell asleep!! - 5 hours of DX signals without a break or fade - Wow!
ZL3CK Hrd 6KIP, K7HB, W6HG. On Sunday Band was poorer but I hrd W6NW, 2FIQ, W1BB/259
W6KIP - sure would have gladdened your heart to hear that crowd - FUN!!

160 EXPEDITION ????? --- KAKSY/Rev. Drayton writes "Wonder if any of the gnag would be interested in a DX-pedition to one of our Barruer Islands down off the Coast, We lived there a couple of years and found conditions absolutely ideal!!! The place is EDLSTO Island - 1 1/2 miles off the lower South Carolina Coast. ---Heard Low Fy Dx th e that is considered practically impossible elsewhere - European BC stations consistently - "Seads" of stuff on 160 and 80 -- Next winter possibly some of the Yankee group going South might like to stop off for a weekend - have access to an authentic ANTE-BELLUM Mansion just 20 feet from the salt water and poles already set for antenna. Only power line nearby is the small one to the house. Nearest neighbor is 2 1/2 miles away. Perfect for anyone DXing in a 50 watt way!!!" ---Anyone drooling besides WIBB??? Thanks a million Drayton and We'll see!!! (Incidentally - watch for some 160 meter dope in "73" Magazine in near future!!!!)

MISCELLANEOUS TOP BAND NEWS ITEMS -----K7ICW/Al, had a "Ball" in Dx Contest - wkd 74 stns/29 sections including HCLAGI & KH6IJ for Total 4500 Points - Hrd XE2OK, W6AIH/VE3 and says "These 10th wave verticals are for the birds - altho better'n MM NUTIN!!! -----W2UKS/Bill, in that ideal 160 meter QTH on an island, has 2 feet of seawater all over the place during that March Northeaster -----Steven GIBBS/GM3MB of Ex ZC4AK fame!!! reports from Benghazi, Libya, hearing on Feb 11th, 4 Continents VE3B/L/SU, ZC4PB, SV4WZ and W1BB/1 plus a lot of other Europeans. Conditions not too good however/ Steve is 160 meter Dxwise famous for giving two DXers their 160 meter WAC. W1BB/ZC4XP, March 3 1953 and EXACTLY three years later (As he points out) - W8GDQ/ZC4AK March 3 1962 -, quite a coincidence - these dates eh???? Thanks Steve you prove that it is impossible to keep a good DX mad down and we hope to hear you one of these days as 5A sumpin or other!!! -----Kn3RKD/Ron/-3/10/62 heard W1BB's 1809kc CW 579 on a 3 band citizens USL transceiver converting into a BC radio on dual conversion!!! Can you figger that one out??? ----- HCLAGI/DON/(W3EIS) lists CQ/CW/CT QSOs on 2/24: W2FYT, K2BWR-3RFA, ECR, 4KFC, YHD, SQE-5DWB-6KIP, HRG-K6HXT, WA6CDR-7UBI, K7ICW-8HCW-6NWK, CDP, EWH, GJI, SDN-9WJB, YTV-KH6IJ ---2/25: LBB/1, TX-K2PNF, DOT-3GAT, EIV-W3EIS, 4AH-K6PJY-8GDQ, GIY-K6HBR/8-9YT-6GBV-IN1AA-VE3KE-HR3HH-XELOK, and, Comments Don "Called 10 U.S. guys for each one worked - never heard so many TIN ear in my life!!! -----PY/SWL/Rolf Rasp Feb 25th hrd 6KIP-K6HXT-4KFC, HYD-K2IUT-8HCW-K8RRH-9TCB-6GBV-KH6IJ-HCLAGI- also unidentified VE2 - excellent Rolf-Tnx!! -----

W6AIH/VE3 Rev Paul - Has new antenna ideas for 1962/1963 - hope summer Wx very conducive to installing same!! QSO'd KH6IJ in CW/CQ/WW/160/DX Contest - also G6BQ March 4th - CONGRATULATIONS!!! -----Sven Elving/Palar Bears Radio Club/SWEDEN Hrd following Dx this season; VE3BQ-LR3HH-OK3CB-EP2BK-W6AIH/VP9-VP8CQ-VP5BP-ZC4PB-OKLACU-UB5WF-HB9QA-VELZZ-GI6TK-EI9J-W1BB-5N2GUP-HCLAGI -- VFB Sven - and your SWL Bulletin also very nice -Tnx!!! ----- G3PU/ERN CONGRATULATIONS!!!! His 160 meter Dx Score at the end of the 1961/1962 season is WAC, 37 Countries!! Greatest disappointment this year -, almost but not quite QSOing HR3HH. On Feb 18th Ern QSO' VOLFB and Hrd VP5BP ----- THAT 160 Meter ISLAND Dx PARADISE we mentioned last Mon

W2UKS/Bill's Town OCEAN CITY N.J. sure took a pounding in N.E. Storm in March - say "We've really had it with terrible storm and excessive high water mark - hundreds of cars a total loss -250 homes damaged beyond repair - dozens of homes washed out to sea - dozens destroyed by fire -loss of life 5 including C-D worker, Chief of Police - I have been helping with Emergency work 75 phone and CW. My own car had \$300 water damage - what a mess!!!" ----- Bing/W6CDP reports 1961 CQ/160/CT,, 160x43 - 1962 163x45 including HCLAGI, KH6IJ, XELOK but gripes!!! "Ws too busy on low end NOT covering high end, comments, I am thinking of a strictly 160 meter station and location with special low noise receiver" -- Bing pleads for boys to cover TOP END of 160 says "I still believe I can get signals across to Europe from We if those fellows will just listen - this view also shared by W5SOT, DWB, 6KIP Etc. I'll be on 1998 each weekend"!!! (See G3PU Report for March 18th) -----W9PNE/BRICE, heard ~~EP2BK~~ EP2BK/449 during CQ/CW Contest (SOing EI9J - thought he was a pirate so didnt call him - alas!!! Contest 105x38 VFB Brice. ----- K7HDB/DDCK - during CQ/CW/CT blew H.V. Transformer, of all times!!! quite interested in ITBY reporting - says scientists find "Light radiation belt similar to Aurora Borealis" Over Oregon -- believes that this may account for blanketing 160 there - Could Be!!! This ionized belt goes apparently around the Globe - write K7HDB for further info if interested. PY/SWL-ROLF RASP -Still listening - no Dx lately -----G3O/T/Dick - is to be Congratulated on several crossings this season. QSO'd W1BB, U05AA, IPPN-2UWD-UB5WF

April 1, 1962

!!! --- 160 METER FLASH de W1BB --- !!!

EP2BK story!!!!

EP2BK works VELZZ -- W2IU -- W1BB -- WøVEH/VP9 !!!!!!!!!!! FLASH!!! On 160!!!!

Everyone was thrilled with the appearance of EP2BK/Bob at ABADAN, IRAN - the FIRST time that Country has ever been heard on 160 - QSOing quite a few Europeans!

THEN!! during the CQ-160-WW-CW Contest, FEB24, a brief, not too good but definite contact was made with VELZZ/John, for the FIRST ~~XXXXXXXXXXXXXXXXXXXX~~ ~~XXXXXXXXXXXXXXXXXXXX~~ EP/VE -- Congratulations to both Bob and John!!!! During this same morning EP2BK was also heard by W4KFC/Vic, (And others) peaking 588 and thought to be a "Phoney" because of his strength - however, EP2BK also heard W4KFC at 589 and SWL'd

Following this, on March 8th EP2BK arranged regular transmissions and schedule with W1BB (First at 0300, then 0220Z, to attempt a W contact and QSO - finally making definite, but "Touch and Go" contacts with W1BB on March 22, 24 and 26th - but no "Solid" 100% QSOs.

FINALLY!!! on March 27th at 0150Z, the FIRST ever Solid 100% QSO, EP/W was made between W2IU/Sam (Ex W9NH) and EP2BK, and followed by W1BB as No.2 at 0220Z their regular schedule time. Bob's signals varied greatly from "nil" to 449 & 539 peaks. W's maximums were W2IU/339-W1BB/449.

IN ADDITION -- Bob/EP2BK also contacted WøVEH/VP9 at 0245 for a not too solid, nevertheless definite QSO!!! WøVEH/VP9 peaked at 569 in IRAN!!!

CONGRATULATIONS !!!! Go to Bob/EP2BK for his splendid operating, patience, and perseverance!!!! And also to "Sam"/W2IU for this FIRST!!!

Dick

CONDOLANCES and sincere regrets go to W3GQF/who indirectly made the W2IU QSO possible, when he made this earlier than usual schedule with EP2BK, invited W2IU in on it, and then for some reason or another failed to make contact himself. Also to Charlie/W2EQS, who came in on the opening rather late, and also failed to make it to IRAN. This was all the more disappointing because of the fact that this was EP2BK's last morning on the air in IRAN before closing down and leaving the Country. Also to Shely/W3RGQ, who was also heard to make a call this last AM.

BOB accomplished this VFB feat of 160 meter DX using an 813 at 100 watts - into a 15 meter Lazy H antenna 75 Feet high - with an AR88D receiver. He has also worked many Europeans, and we are anticipating a complete report from him soon giving the complete story on his 160 meter activities!!!

THE HCLAGI 160 Meter DXPLOIT!!!!!!

Another FIRST!!! when HCLAGI and G6BQ QSO'd at 0610z March 11th for the FIRST ever HC/G QSO on 160 Meters. G6BQ was 449 in HC-land. CONGRATULATIONS to both Don/HCLAGE (W3EIS) and Jack/G6BQ VFB indeed!!!

160 sure has been "places" this season!!!!!!

FI4A --Ken and Traut Bale expect to be on for a while longer this season. W1BB has sent them crystals for 1827½ and also 1803.0 Kes Watch for them!!!!!!

EP2BK Mailing address now
Box 502 - Springfield, Missouri.
Robert M. Snyder

73 de Stew/W1BB

OCTOBER 15 1962W1BB - 160 METER DX - Bulletin1962/1963 No. 1

de W1BB/General Remarks ----- Hello Fellows!!!! - W1BB checking in with you on what promises to be our BEST 160 meter Dx season in a long time!!! - "Chatter" collected since spring ended the 1961/1962 season will be found herein. The band was more open this summer than last, with VP8-ZL3-VK3-EI9-G6-W6-XE-FP-GW making real news!! FIRST TRANSATLANTIC QSO (W3RGC/G6BQ) was a month earlier than usual this year. Much new Dx with some surprises is expected!! Many stations W/VE-Dx have used the summer to good advantage for new antenna and ground system construction. As the Sunspot Number goes lower and lower, 160 Meter conditions get better and better, so we are apparently in for an extremely interesting and exciting season!!! S000000000000000 join in on the FUN - get those antennas up high and strong for the winter storms - your SWR 1/1 - check your receivers and transmitters for best performance - mark your calendars @ store up a bit of extra rest for those "wee small hours" when 160 is at it's best. HAPPY HAMMING - best of luck and best of Dx HUNTING on 160!!! 73 de Stew/W1BB.

ANNUAL TRANSATLANTIC AND WORLD-WIDE TOP BAND 160 METER DX TESTS ----- Will be held as usual, and this year on Sunday Mornings, December 2 & 16th --January 6th & 20th--Feburary 3rd and 17th, from 0500-0730 GMT. During these tests, special efforts will be made to contact European, Asian, African and other 160 meter DXers throughout the Transatlantic World, for general DXing, and particularly to also make observations and to contribute to the study of propagation conditions on these frequencies. This ANNUAL 1.8 Mc Activity since 1932 has been planned as TESTS and not Contests - as an unusual operating activity, without competition. W/VE stations will call "CX DX TEST" the first 5 minutes of each hour, and each alternate 5 minute thereafter, LISTENING the second 5 minute period, and each alternate 5 minute period after that unless working or hearing DX. Dx will of course, use the opposite periods for transmitting and receiving. When DX is coming thru, the idea is to work it regardless of time periods.

Most W/VEs East of the Mississippi River will operate 1800-1825kc segment, while those WEST of the River will use 1976-2000kc, clustering near 2000kc. Most DX will usually be found between 1795-1850kc, while some will be found near 2000kc (ZL). DX stations should cover 1975-2000kc carefully for unusual and choice W/VE Contacts. W/VE stations should send their reports for these TESTS to W1BB, for tabulation, Recording in the booklet "THE 160 METER DX HISTORY" in the making, and especially for transmittal through BULLETINS to ARRL-CQ-SWM-Western Radio-DX-RADIO ZS and other G, GM, GI, GW etc should report to L.H. Thomas, DX Editor Short Wave Magazine, 186 Winchelsea Rd., Hastings Sussex, England. Other DX may send their reports to either of the above. Please DO report accomplishments, Happenings, Rumors and Data!!! W1BB will award Certificates to all DX stations working W1BB, if requested, and to DX SWLs who send 7 verified reports of W1BB's signals - also IF requested. Certificate for past work on this band are available - contact W1BB for further details. ----- Working DX on 160 is indeed challenging, and extremely interesting. Conditions such as static, BC Harmonics, QRN, CRM, LORAN, NOISE, OSB, all require extreme patience, with perseverance, a top-notch station and A-1 operating ability. There are many FIRSTS yet to be made and many unusual conditions to cope with. One gets anew the thrill of early Amateur Pioneer days, when HAMS were relegated to "TWO HUNDRED METERS DOWN", and Paul Galey made the FIRST Transatlantic Crossing via Amateur Radio, thereby inaugurating the first of what has now become Yearly TESTS, enjoyed by many 160 meter enthusiasts. In addition you will make many friends, among the finest and most sincerely devoted HAMS you would ever care to meet!!! OK?? b.c.n.u.

CONTESTS ----- W1BB and many other W/VE 160 meter HAMS will give special/attention to DX stations during the ARRL and CQ DX Contests and also the special CQ 160 Meter CW Contest, (Which will come earlier this year - watch CQ). W1BB invites any special schedule arrangements from any of the DX gang desiring to make a real try for an extra band multiplier. AIR/MAIL your intentions to W1BB in this respect, in advance if possible, otherwise W1BB ~~will~~ will generally cover all 160 DX Frequencies

W1BB 160 METER DX BULLETIN -----Will be issued during the 160 Meter DX Season, as material is obtained, to the above/mentioned HAM magazines, via air-mail, so that they can publish whatever may be of general interest & the most important information on TOP BAND activities. There is no mailing list to individuals, although W1BB will oblige and send copies to any W/VE stations supplying s.a.s.e. - and to any DX station who reports regularly to W1BB on 160 Meter DX Activities - also SWLs. W1BB also will send FLASH news items to Magazines on any special events and happenings.

FIRST 1962/1963 TRANSATLANTIC QSOs ----- Congratulations to W3GQF/Dick/359 who on Sep. 16th QSOd Jack/G6QB/449 at 0524z one of the earliest openings on record!!! Second crossing was made by W1BB/1/489/0405 from farm in Maine Sept. ~~29th~~ 29th Third was K3MBF same date. Of interest FIRST SIGNALS were heard "Across the Pond" by G/SWL/Norman Smith Sep 1 0423 W2EQS and W3GQF/459 - Sep. 2 W3FBV/weak CQ answered by G3PU and G3OLI - Sep7 0353 W2IU/459 - Sep8 W3GQF-Sep9 G3PU Calls W3FBV Looks like an excellent season shaping up with openings so early!!!!

SUMMER DX - VP8CQ!!! ----- 160 Meter DXers were thrilled with the lowering SunSpot numbers and the pick-up in 160 Dx to hear VP8CQ in the South Orkney Islands coming thru frequently this summer. Soing a number of W/VEs also EI9J "Paddy" to whom goes special congratulations. Credit for VP8CQ's appearance and following info goes to Dick/W3GQF who when working him on 80 June 30 asked him QSY to 160 and try - the band was "right" and results immediate!!! W3GQF/589 VP8CQ/579 0300z/1827k for a solid 20 minute QSO - contacts followed with W3RFA & W2FYT. W3HKE almost made it but not quite as signals faded. July 1 W3GQF again and W2KQT -July 2 0300z W2IU, KOT, TKG, V GP, DU-July 3 EI9J/0202, W1BB, W2KQT, VE3QU and W3GQF for his third QSO with VP8CQ!!! W3GQF valiantly but unsuccessfully tried to hook VP8CQ and W6KIP/Alex but he was out of town. Finally July 9th VELZZ/VP8CQ QSO. Signal reports averaged S78 for W/VE and S48 VP -- these results still further confirm W1BB's often expressed views that the band is best open to the South summers, after having had QSOs with CP5EQ and other South Americans during previous summers. These latest W/VE/EI QSOs confirm!!!

Further confirmation comes from PY/SWL/Rolf Rasp in R.J. Brazil S.A. who reported JUN 16 0620 hearing W6KLP/Alex/579 QSO W6ZH/Herb/559-589 1999k. "Their signals were so clear and loud that I did not miss a word. Never thought 160 signals could be so loud"!!! To which could be added that W3QF/Dick QSO ZL3RB/Mick MAY6 0955 - VFB!!!

VK LL-Dx!!!! ----- The VKs with their new liberties on 160 are pushing for 160 QSO with W/Ve & Dx. On Sun AM SEP2 W2FYT was suprised to hear a weak stn sig on his fy. A sort of contact was established before QSB out. The station turned out to be a VK call uncertain - believed to be VK3AMZ on 1803k at 0614 - since VK3AGS has been identified and it is believed he was the station. News spread and the 160 boys went "HOT" after this exotic DX!! On Sep9 VE3DU W1EFN-Maybe others- hrd ZL3RB 1015z on CW & A3 but no QSO. Then the band to VK Cracked open!!! On SEP20 K3MBP W1EFN W2FYT broke the ice for FIRSTS QSOing VK3HG. On FRI AM SEP21 W1BB/1 on farm in Maine and W3QF QSOd VKeAKR whose signals peaked 579 staying in from 1000-1100z Steadily!!! W3SO/459 QSOd VKeAKR/359 SEP28 as did Chas/W2EQS for his 34th Country!! More to come

ENVIALE RECORD/W3QF!!! ----- Dick kept the 160 band warm QSOing this summer & Fall VPSGQ-W3VEH/VP9-FP8CA-ZL3RB-XE1OK-G6BJ-VK3AKR-G3OCT-GW8PG-G3ERN-G3FU and has had at least one W6QSO every month!!! Says maybe cdx will open up DX year/round. Suggests helpful "Markers" - DHF/1831k- and when WWV is off::: OMA/2500k/Prague/Czech/1000w ~~1000~~ 1000cps/A2-or FFH/Paris/300w-HBN/Swiss/300w -JJY/Tokyo/2000w-LOL/Buenos Aires 2000w-MSF/Rugby/500w-ZLPS/NZ/30w - Thanks Dick - nice work!!!!

THANKS TO CHARLIE/W2EQS ----- who is hanging away at his key on 20 and typewriter on "Airmail", stirring up 160 DXers in foreign lands for this years hunting!! Reports PY2BZD-HK1Q-HK4DP, 1HV-GC2CNS-OA5G-VP3AD-YNLAA-YULGM,AD-ZB1BJ-OE3SE-ZE8JJ-HI8XAG all may be on. Some have worked 160 before but others are new ones. Ken/EL4A is hoping to be on 160/but not for sure/expecting new Jr/op etc. - Charlie/EQS sports a new 160 doublet which netted him the VK and intends to do his share of Dx Hunting

EARLIER THIS YEAR/VPSGQ/Peter Hobbs (G3LET) ----- opened up one of the rarest 160 spots on the map appearing JAN28 QSOing in order HCLAGI/569/0600-W3IFH/469/0627-W1BB/1/469/0640-W3ANWX/579/0653 - FEB17 W3NCS/569/0625-W3FBV/569/0640. Peter is to be thanked a million times for these FIRST SOUTH ORKNEYS 160 QSOs. G3PAG, His very meticulous QSL Mgr is to be thanked too for FB QSLing - Peter's address is FALKLAND ISLANDS DEPENDENCIES SURVEYS Base "H" Signed Island, South Orkneys - but QSL via PA

SAINT PIERRE/FPSBX/WIRAN/"Ned"-----Who made 160 so interesting for many of us during contests says "Grand time on TOP-BAND . Golly could I hear Europeans!! They were all S789 and standing out over Ws as early as 0130Z!! VFB NED - Nw we All like try FPSB

EI9J and 160 in EI Land -----"Paddy" says until recently licenses for 160 were not generally granted, but now can be had for the asking. At request of W4KFC, last season Paddy whipped up quick final/ got on with well known FB results. EI9J wks 80 CW mostly but found 160 refreshing after the commercial and HAM QRM on 80. During CQ Contest "Paddy" was disturbed by many Gs calling him when he wanted Ws & other rarer DX & Multipliers!! "EP2HK answered 2 of my ~~W3~~ CQs/was so loud/ took him for phony & didnt ans.-ALAS!! Later wkd him however!! Am sure that his signals were the most remarkable of the test!! Now that I have the gear and permit am looking forwrd to being up on 160 the 1962/1963 season!!!" We'll all be happy to hear you Paddy!!

COINCIDENCE ZCs QSOs w/Ws !!! ----- Stephen Gibbs/G3MBS/ZC4AK now 5A3CJ/Libya refers to p4 W1BB DX BULL No.5 1961/1962 pointing out that ZC4XP was Sid Parks, making this comment "Stew-I bet if you examine your log you will find that ZC4AK/W3DQ QSO MAR3 '62 and ZC4XK/W1BB QSO MAR3 '53, exactly 8 years apart to the day, would be at about the same time GMT" ----- And SURE ENOUGH!!! ZC4XK wkd BB 0400z ZC4AK wkd Willie/W8GDQ 0417z - Pretty close eh????? You boys who want to QSO ZC now know the right magic date and TIME!!! Thanks for interesting observation Steve!!!

W1BB----- Celebrating his 50th year of HAM Radio - made his 80th 160 Country QSO working VPSGQ - The next 40 to DXCC/160 will be the hardest - although we MAY make it before "Silent-Key" time!! Great game this 160 - enjoyed every minute of it

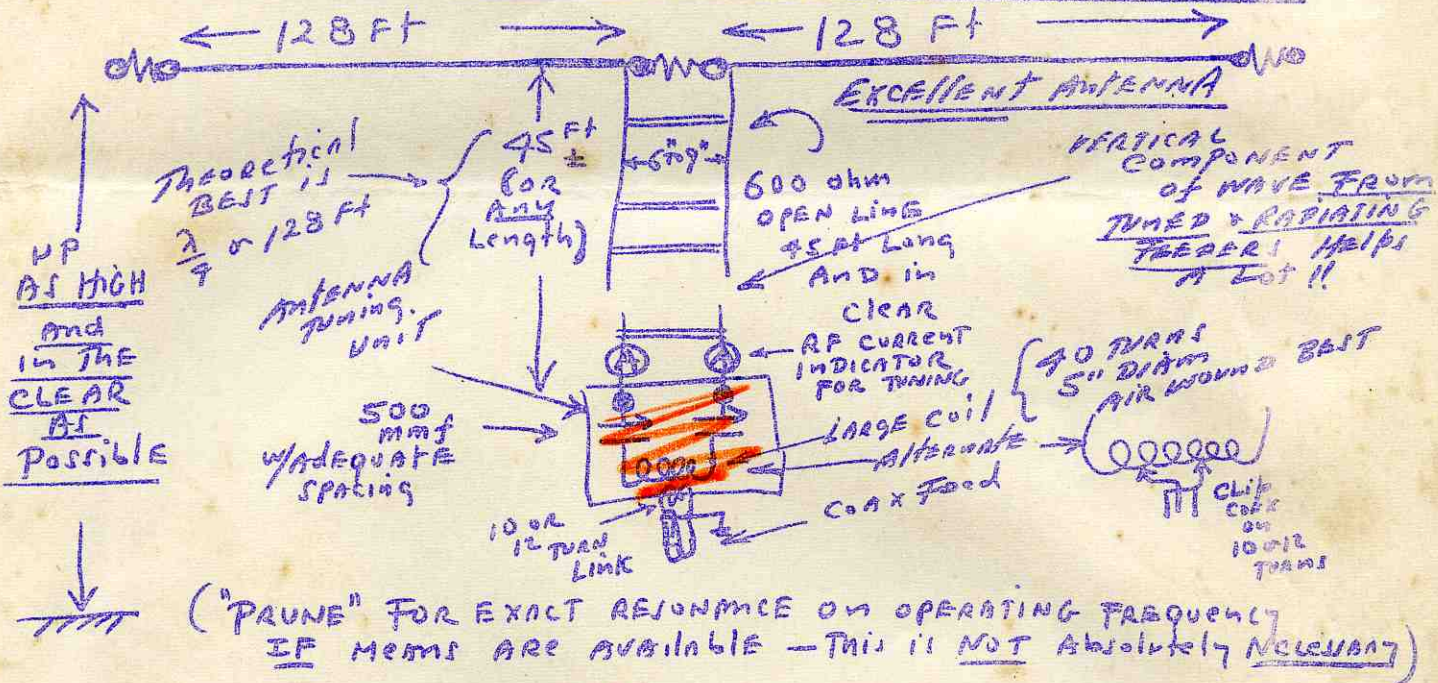
MISCELLANEOUS TOP-BAND NEWS ITEMS - (Dating back to April 1962) (And up to date) 4.
Gswl/Allen/APRS Hrd W2KWH, 5SOT, GCDP, 2IU, LAW. George was real excited SWling GCDP
his furthest WEST yet!! Still trying for W6&7 -----W2IU/Sam has FB 125° antenna Tower
QSO'd EP2BK w/16 & should be ready for more FB DX to come!! -----W6CDP/Wing/1998k/
APRS hrd G3ERN/129-QSO'd ZL3RB/Mick 0820 339/both VFB/Congratulations!!!! -----
K1/Paul hd rig trble/missed most Dxtests-got real thrill however hearing FIRST/G
JAN/ ----- W2GHK/Stuart (Hammarlund Co) says thru his influence their new HK50 SSB NW
has 160 coils available!! Expects be active 1962/1963 w/inverted "L" - Best of Luck!!
-----W6PSF/Larry, Hoisington Kansas hopes activate 1962/1963 after stretch/army. May
hve real FB ant on 400° tower!!! bonu Larry!! ----- GARY/KLKSH, fm USAF/Turner/AFB
says 50/50 chance he may become rare 160 DX within 6 Mos-were hoping Gary!! -----
W8HGW/Les, (Parkview Electric Co), who started 160 1961/62-looking fwd to more active
this season/listen fr him!! -----Fm G3IGW/"MIKE" WHITAKER, a fine rpt FEB/10 QSO'd
QO4PB fr his First/Ever QSO on 160!!! FEB/11 QSO VE3BQL/SU -- On CQ/WW/DX/TEST-14 Co
countries-16Mult-9136 Score!!! JAN7&MARS each 7 Ws QSOs-FEB/18VELZZ&VOLFB - Wishes
Ws would give more data on aerial system& Pwr on their QSLs also wonders why there
are no W/SWlers giving 160 reports to DX boys -- (W1BB wonders too!!!) There just
doesnt seem to be any W/VE 160 meter SWlers!! Also comments "Over the years we have
noticed a N/S skip with E/W "Cut" - even on 160 - this happens on 80 a lot and is
more noticeable as greater level of activity shows up - not necessarily due to
ATCM bombs - but just normal variation on ionized layers"!! Thanks Mike - fine ideas
-----G3LIQ/Denis, gives a list of outstanding stations he rec'd viz, Ws9JIN, NSF, VIV-
K8HBR-3GQF-K2DGT, IU-LAW, 1BB-W6KIP, APR22!!!! - HP6AKZ, HC1AGI, HR3BH, ELAA, CN8PZ, EP2BK
also QSO'd/W1BB - VFB Denis and more good hunting 62/63!! ----- G3OJI/Jim, Planning
new 160 ZEPP at new QTH/quiet unobstructed. May try vert kite ant!!! Best/Luck Jim!!
-----W8TSD/Dave, was vy active this summer on the 160 Meter "Mills Trophy Race Net"
on Lake Erie. Also participating were K8Y00 Chm-K8SCW, W8CUR, K8YON, W8IME, RZ4, OFG, GJS
& K8LFI - VFB boys but how about some 160 DX????? ----- W7UBI/Keith, Expects 2b
active 62/63 w/DX100/SX71. Inverted "L" Marconi- doing lots of W/Coast/SSB - bonu!!!
----- W8TSD/Dave, again - says at close of RACES everything went fine and dandy -
there are 500 HAMS in Toledo area and 100 on 160 & More coming - Toledo Engoy
NET AREC/1812Kc have around 70 sign-in each month's DRILL Sunday 1PM - Excellent wk!
----- W6HRG/FRANK, reports QSOs between 1.8/2.0 Mc Stns hve occurred each month
during the summer!! Frank QSO'd K8PAU/57-89 at times JUL31 A3 - WA6AJY & WA6CDR QSO'd
him on CW. W3GQF & W6RFT hv been wkd by a number of W/Coast stns during summer! Frnk
believes more results would occur if stns tried summertime DX more!! -----
SORRY TO REPORT VK4/SWL/Charlie Thorpe, 81 Dawson - Rockhampton-Queensland-Australia
had back operation - w/ B in cast fr 6 Mos from HIPS to under arms - must stand most
making it hard for SWling - however will nevertheless cover 160 as well as possible
62/63 season -Great Spirit Charlie!!! Tnx ----- 8/28/62-KLKSH/Gary says "ALHOA" de
Hawaii and hopes to get on 160/MARS stn soon - still expecting to "Pop-up" on 160
fm some rare & EXOTIC DX spot one of these days!!! ----- PY/SWL/ROLF RASP, Hrd W6ZB
559/589 & W6KIP/579 JUN/16 and copied entire QSO ----- W1AUQ/"ED"-is showing interest
in 160 & may be on!! FB/Ed -----WILLIE/W8GDQ, checks in 62/63 - hrd weak ZL call him
Tried VK3AKR who QSO'd W8HGW. Willie has 28 Countries- sure nice to have you Willie,
one of our old reliables on 160 checking in again for the 160, season!! -----G/SWL
Norman Smith reports hearing W1PPN, 2EJS, FYT, IU, KHT, K2PNF, 3GQF, 8HGW SEP30 -----
G/SWL/ANTHONY M QUEST/LEEDS/ISWL/G5967 also hrd same stations - except 8HGW-Tnx/Tony
----- WILLIE/W8GDQ, QSO'd VP8GQ SEP23 ----- FIRST VK ever QSO expected to be
credited to K3MBF - Nice work DAWSON!!! SEP20/QSO/VK3HG!!!! ----- W1EFN/Walt,
sporting special new 160 ANT280° Horiz & 579° wire in vert section 90° off ground
and HT9 190w was SECOND VK QSO on record w/VK3HG/SEP30 ----- Comments also that
W6s come in frequently around 6.30AM Local time - sunrise about - with suprising
strengths at times. QSO'd W6VEH/VP9 JUL21 FP8CB/JUL27 - rag chews more than DX but
enjoys DX when possible - worked lots of Mobiles on 160 this summer mostly W8s ---
----- GW8PG/Gus, reports operation from G8PG/AmGreasby SEP23 hrd W3GQF, W1BB/1 -
SEP30 as GW8PG "Boy what a party" - Wkd W3GQF and Hrd W2FYT/339-2EJS/569-2GGL/449-
K2PNF/559-2IU/569-2KHT/559 -- Gs QSOing Ws were G3PJ, ERN, OJT & 6B4 ---OCT7 Band
in bad shape - NO DX!!! Gs3LIQ, LLE, PCN, NEO, LYW, OQT, RBP Participating.
FIRST VK/W6SO CREDIT !!!!! Does go to K3MBF - this has been confirmed by W1EFN
The station was VK3HG SEP20/62 0515EST - Congratulations DAWSON!!!!!!
HAPPY HAMMING Fellows - and best of DX on 160 -- 73 de/Stan

W2BB

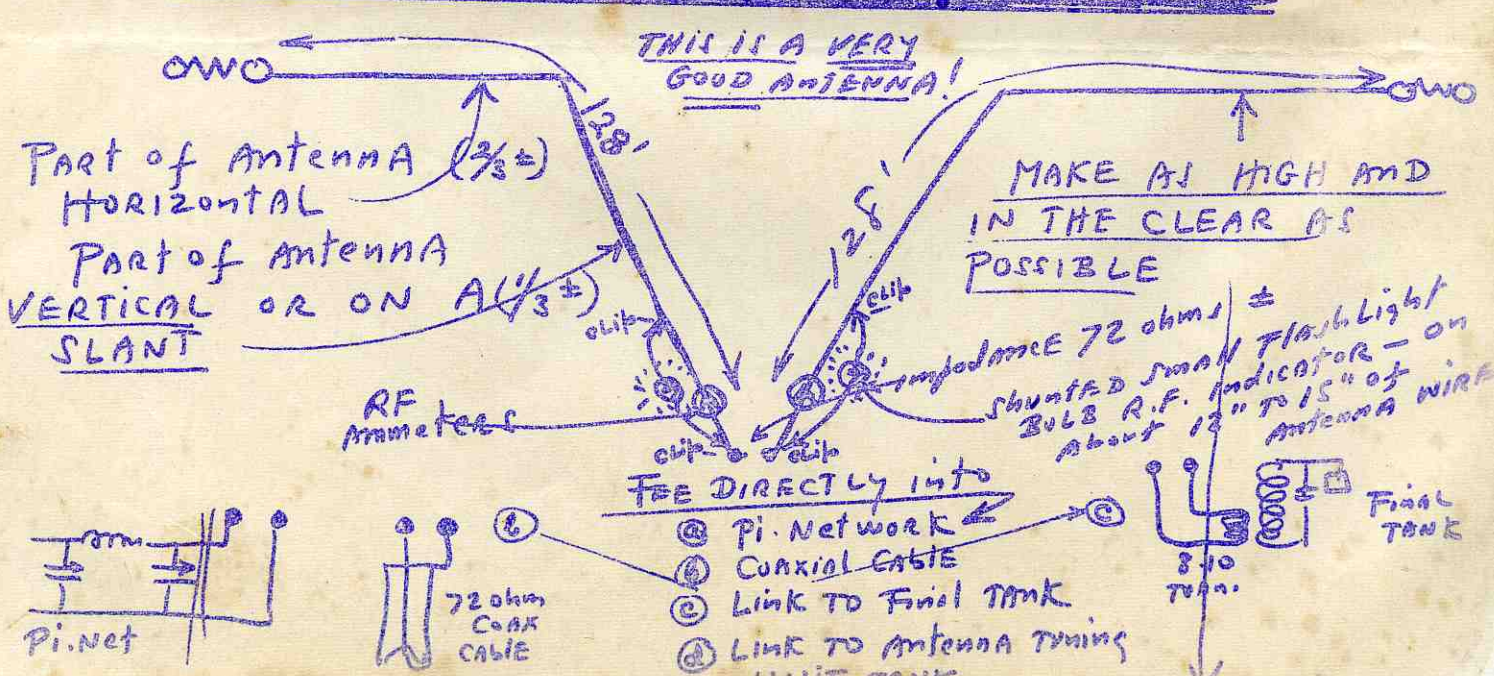
ANTENNAS FOR ONE SIXTY

LISTED IN ORDER OF DESIREABILITY
FOR BEST DX WORK

NO. 2 — HALF WAVE DOUBLET — w/ OPEN WIRE FEED THIS BEST ANTENNA FOUND BY ACTUAL TESTS



NO. 3 HALF WAVE DOUBLET — BENT AND BROUGHT DIRECTLY INTO SHACK FOR FEED — 2nd BEST ANTENNA



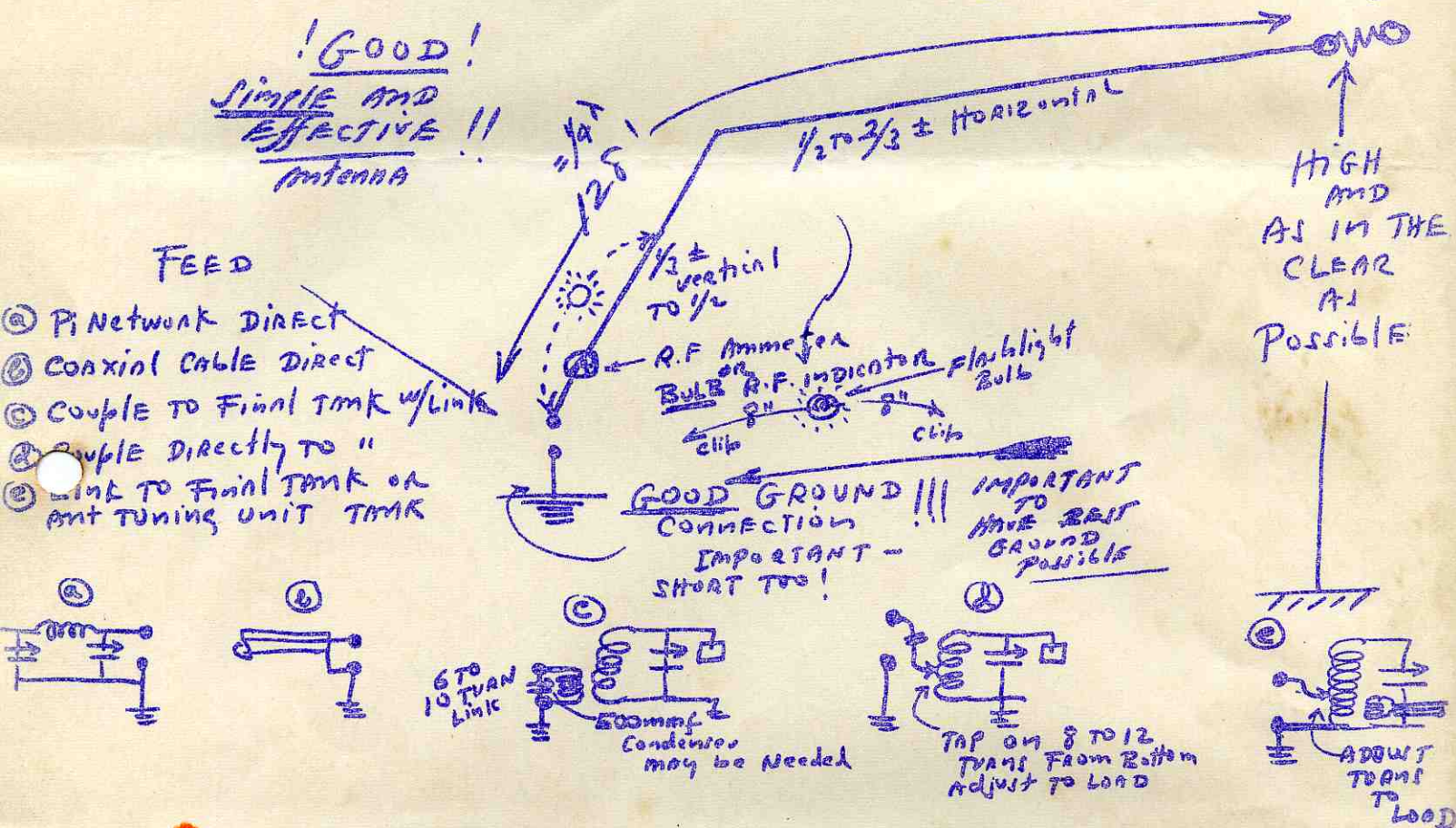
W1BB - ANTENNAS FOR 160 - continued

NO. 4

1/4 WAVE - SINGLE WIRE ANTENNA WITH "GOOD" GROUND 3RD BEST

(THIS IS EQUIVALENT TO HALF OF ANTENNA #2)

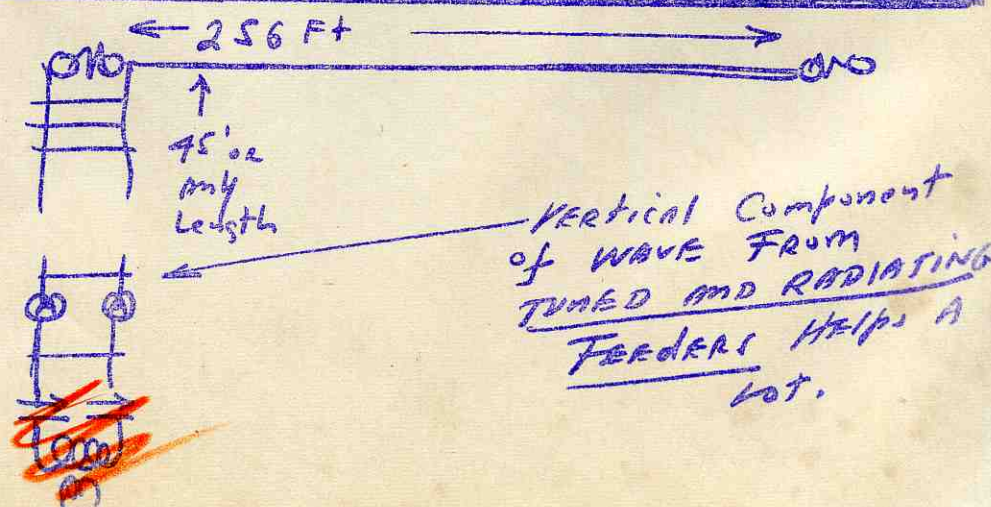
!GOOD!
SIMPLE AND EFFECTIVE !!
ANTENNA



NO. 4

1/2 WAVE ZEPP ANTENNA - 4TH BEST

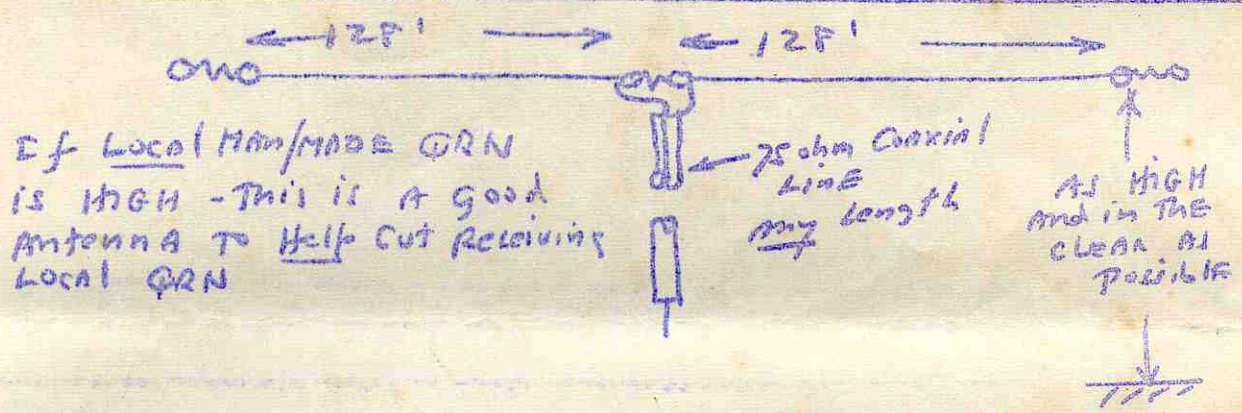
SEE NO. 1
EXACTLY SAME REMARKS APPLY
AND SAME COMPONENT VALUES



W1BB - ANTENNAS FOR 160λ - (continued)

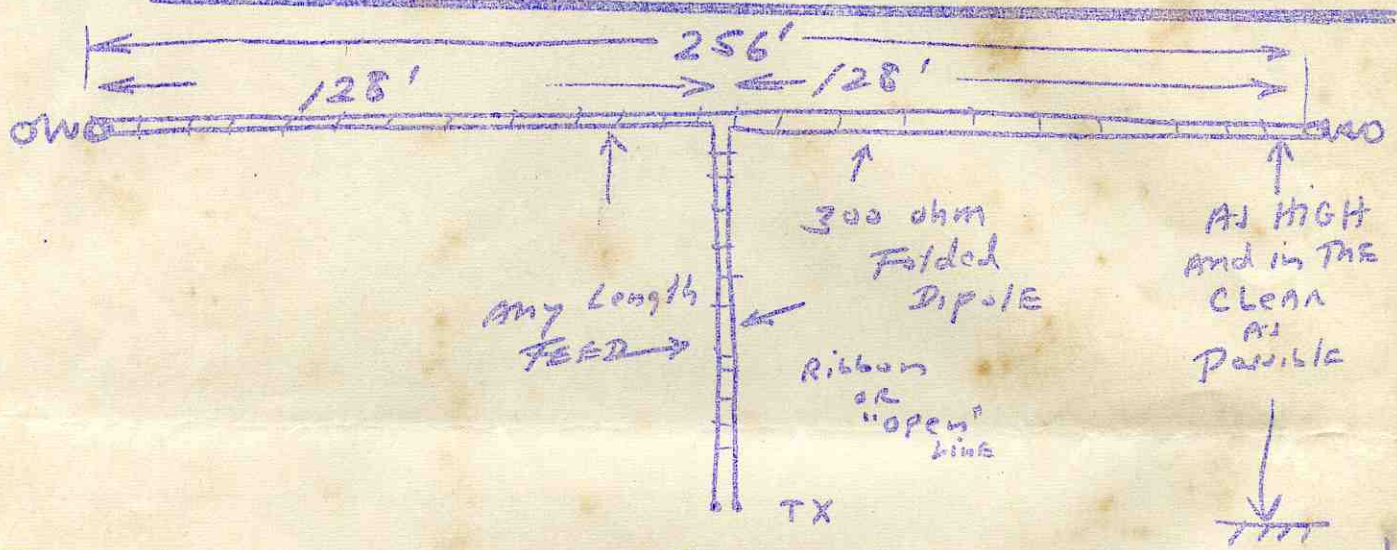
NO. 5

HALF WAVE DOUBLET - COAXIAL FED - 5TH



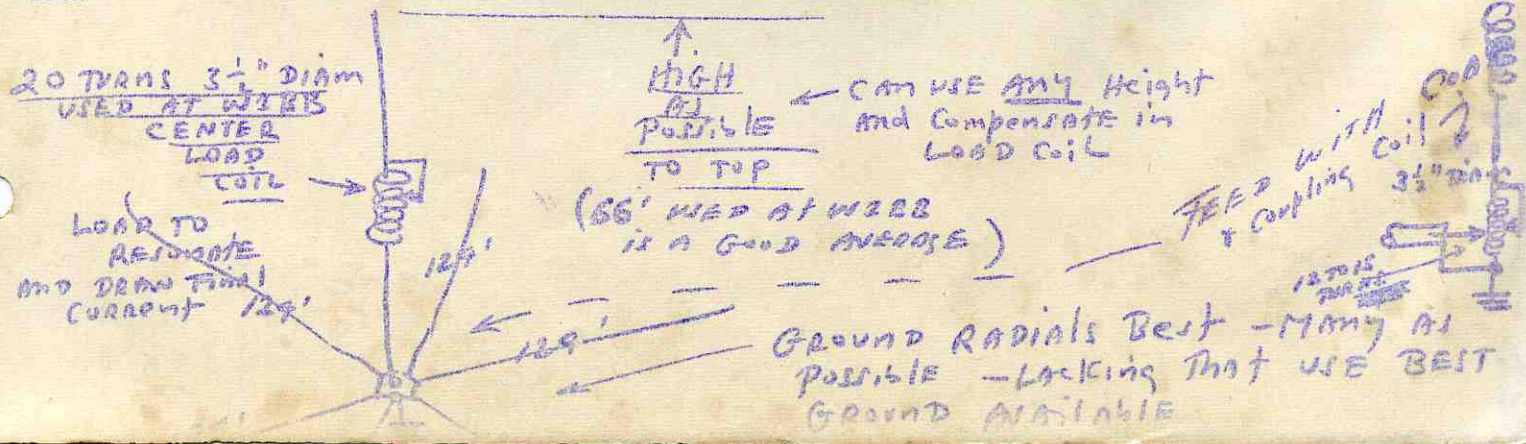
NO. 6

160λ Folded Dipole w/ 300 ohm Ribbon OR MUCH BETTER!! w/ OPEN 300 ohm LINE



NO. 7

VERTICAL 160λ Antenna



December 28 1962

PYswl/Rolf

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop, Mass.

Here is all the latest on 160 O.M.!!!

Nothing on 160 this morning - see log - sorry

Starting New Year will make Wed and Fri at 0600

And as soon as OK with you

Make it Tue and Thursday at 0600 instead Wed/Fri - OK????

CONGRATULATIONS your fine work there on 160

K9GZK also reported to me your hearing him - VFB!!!

Am waiting to hear from you re crystals - tolerances

S00000000000 again Rolf - HAPPY NEW YEAR

And here's to a contact REAL SOON NOW!!!!

73 de Stew/W1BB

73! de W1BB/Stew

DECEMBER 31 1962

W1BB - 160 METER DX - Bulletin

1962/1963 No. 2

de W1BB/General Remarks ----- Fellows, if things have been a bit late, or some of your reports and letters not acknowledged or answered as promptly as usual - Please Excuse - Alice/W1DQF, and myself were called home from 12 days vacation in KPA/KVA lands, when very recently, Dec7th, we had the second death in our immediate family with the passing of our Son's wife, 30, leaving two little children, which we are now helping to care for - all of this upset us and our normal activities in many ways - however, we expect to be back "on the beam" again real soon - thanks for your patience and understanding!!! DX this fall was good up to October 1st, with the earliest Transatlantic crossing on record. Then, rather suddenly from Oct1 to ~~Nov~~ Nov25 Dx was Nil - since there has been Dx but spotty - no real good openings, only a couple "fair" ones - Why conditions which started out so promising, have been so much poorer than expected, no one knows - some feel the Pacific Nuclear and USSR tests might have been responsible - others that it is just the "Way the ball bounces", normal unpredictableness of 1.8 - which incidentally makes it interesting and also intriguing. The First scheduled TRANSATLANTIC DX TEST Dec2 washed out - the 2nd Dec 18th only fair although participants were not lacking on either side!!! - At any rate the frequency of openings lately has improved a wee bit, and lets hope for the best. Dont forget the CQ/WW Contest on 160 Jan26/27 and best of luck!!! This should be a grand event!!! S00000000000 Best wishes to all for a HAPPY NEW YEAR, with 100 of HAPPY HAMMING - especially if it is on 160!!!!

W1BB/Summary LOG of 160 Meter DX Activities!!!!

Oct21 --- Poor morning to Europe-fair to South - medium w/ve activity - Wx-VFB/warm/clear/calm -felt like gang just "warming-up" for the real DX ahead!! Altho VPSGQ put on a fine performance!!! W/ve p/W1BB,ME,2EOS,UWD,IU,3CQF,CEM,FBV,4OMW,SGDQ,K8IQQ,MRB,9FNE,CDP,RH,GDH,VE2UQ,3QU ---tp/ etc stands for Participants!!!

regenerated into "Rag-Chewing". p/G3IGW, OUK/A, CIT, MYI, REP, RAA/A, OZF, OQT, AGG-6BQ-2, P7E
MF, PG/A. Tax Gus! SOUTH::: VP8GQ 1800.5 our "Southern (Dx) Star" 0500-0630z
weak QSB zero/459, av 359 QSO'd Ws, LME, TX-2EQS, UWD, GDF-9PNE(?), LBB-KSMR in order
was hrd by Py/Swl/Rolf Rasp!! Says "Hrd VP8GQ QSOing one W after another, BUT the
who time through I did not hear one TRACE of the Ws - only VP8GQ- dont you think
his propogation was rather strange??" Yes Sure Do Rolf!! For Roy/LTX his QSO
with VP8GQ was his 10th Country!! (Oct.7 VK3AKR his 9th!) (p/ means "Participants")

OCT28::: Extremely poor Dx Cdx. WWV sending "W3" Wx, clear, cold, windy, FB.-
W/VE::: Ws, LBB, ME, TX-2UWD, KHT-3GQF-8HCR-9PNE, CUY-VE3DU participated, calling and
listening for Dx but nary a peep and by 0600 most had QRT!!

NOV4::: Again Cdx Vy poor-no Dx at all except W3GQF reported hrg DL1FF 0300z
559max - H18XAG & 5B4PB expected but no show - There seems to be some barrier, that
signals of any strength do not penetrate, since Oct1 - Nuclear Tests?? W/VE:::
W/VE::: Ws, LBB, BHQ, ME, WY-K1LTM-2EQS, IU, KHT, UWD-Wa2IUQ-3GQF-4CXW-Wa6CDR-8CIN-KSRYU-9UKV, PNE
WVX, VXO-VE3FF EAST::: No QSOs but G8PG/a hrd W1BB 229-339 0530z. DJ1BZ, GM3PBA on

NOV11::: Condx still generally Vy poor especially to East. W/VE Participants
dropping a bit also. W/VE::: p/Ws, LBB, UZ, TX-K1IMO-2FYT, KHW, JGQ-3GQF, FBV-K7DEK/7-
BIQS, GDQ-KSWGW, BBI, IQQ, BSW-9PNE-K9JDK-6IFH, GBV-VE3DU, QU. EAST::: Cdx vy poor w/
no European markers or Dx coming thru!! However G8PG reported hrg W2FYT briefly at
0438z clg CQ DX -- Gswl/QUEST hrd a N. African but no other Dx. p/G3IGW, HR3HH, GM3PBA
EI9J, DL1FF, VP8GQ SOUTH::: VP8GQ came thru weakly 0440z QSOing W2FYT. Our old fr
friend HR3HH/"Bal" put on best show of evening 0600-0700z QSOing Ws LBB-8HGW-K8IQQ-
6IFH, VXO and others. WEST::: K7DEK/7 provided some welcome Western DX and new
states for a few QSOing VE3QU, DU-W8GDQ, HGW-K8IQQ and others - Was hrd by W1BB S2/3
Wa6CDR active QSOing W8GBV/others!!

NOV18::: Cdx still generally poor-QRN rather high-No Dx whole evening except
VP7NY "Local-Dx" W/VE::: p/Ws LBB, 2DHQ-3FBV-K3MBF-4IQU-8TSD-K8RYU-9PNE-VE2UQ, 3MG
2FYT, UWD, GGL, EQS-1BHQ. EAST::: Gw8PG/Gus says morning a "Dead-Loss"-Blizzard cut
power lines-became good cook over fireplace but no Dx!!! SOUTH::: VP7NY/Lowell
put on a fine show wkg Ws 1BHQ-2FYT, UWD, GGL, EQS-3PAP, GQF, PMV-8QWI-K8RYU, MRB-9PNE-
VE3QU, AGK. Cdx so poor his sigs varied 000-569 quick QSB 2 hours much of time
unreadable in QRN/QSB WEST::: A fine clean out FIRST!!!!!! when the OM/XYL team of
WB6AFH/WB6AFI (Ex W9VER/K5VLG) QSO'd VR30 Christmas Island on 1991k Nov18. VR30/449
6s/559.----(Under call K3VLH QSO'd ZL3RB&KH6IJ Fm N. Mexico early 1962 and as W8FGB
QSO'd G-VE-VP7-KP4-KV4-YN4-YV5 in past years) CONGRATULATIONS!!!!!! Jean and Dean!!
Understand VR30 will be on regularly when he gets new Tx now being built by W6VBY.
Note!! W6HRG also worked VR30-Details not rec'd hr.

Nov25::: AT LAST the band showed some signs of opening up and quite a number
of Dx QSOs resulted - our best morning in some time!! Willie/W8GDQ says dont forget
to cover 1876k fr ZLs and also claims "MOONBOUNCE" QSO w/W1BU on 160!!! Hi!!!
W/VE::: Sam/W1BU says QSO w/W8GDQ was 1st 160 QSO since coming to Mass fm Ohio in
'40s - using pp814s/rig fm 20yrs garage storage-has tilted ant 200' high NE end-nic
to have Sam on again!!! Maybe sometime Sam and Willie will explain this "Moonbounce"
stuff on 160!!!!!! p/Ws LBB, ME-2FYT, EQS, UKS, IU, GGL-3GQF-6KIP-Wa6CDR-8FW, HGW, GDQ-6VXO
VE7AN. EAST::: G3IGW hrd W2FYT, GGL, IU and briefly contacted W1BB. UO5AA on 1801k
G8PG/Gus Qsb/Qrm heavy sigs weak but wkd W1BB 1st time & Hrd W2IU - G3LIQ hrd W2FYT-
G/Swl/QUEST h/LBB449, 2GGL349, FYT339 - nw hrd 19 Countries 160-logged 15 Dls
this yr ---Gswl/Smith h/LBB, ME, 2IU, FYT, GGL after some blank weeks!! ---- G3OQT/Dic
"The Dx Blanket which covered everything OCT & NOV seems to hv lifted nw-hrd W2GGL
449, 2FYT/449 & LBB/549-Qrm Hr Fantastic!!! Making himself an 80° vertical Beer Can
ant w/ top load it"also wonders why there are no W Swis- says Gs wld like rpts!!!
Gswl/Iball h/LBB, ME "Have never known such activity/QRM over here!! p/G3OQT, PU, IGW,
FXZ, LIQ/AMYI, REP, JFY, OZF, NEO-6BQ-DL1FF, DJ1JZ, UB5CI, UB5WF, UO5AA, OH2NB, OK1KAU, KSO, AME
Z YD, KVE, 2KJU, 5B4PB, OY7ML SOUTH::: W8GDQ/Willie wkd YV5AGD as did W1BB, W3GQF
and others. VP2VL/WVX Bob was on QSOing LBB, 3GQF, 8GDQ and many others - believe
Bob intends retire VP2land someday and work DX to his hearts content alongside
next door neighbor KV4AA/Dick who sure sets a good example - Dick an ex/160 Dxer
is washed our on 160 by "Regs" while on VP2 Island few miles away VP2 can wk 160!!!
W2UKS/Bill rpts wkg VP2GX/1810k 2334z-VFB!! WEST::: W6KIP/Alex had 17 eastern QSOs
"Without trying" hrd HC1DC-VP2VL/S3 -Couldnt find YV5AGD" - Sri Alex!! Next time.

Dec2::: W1BB was in KP4 land/unable observe conditions but understand were generally poor! W2UKS/Bill rptd band vry NOISY & "Dx sure is scarce to date"!!! He has HQ145x new/March '62 for sale \$175.00!!! VFB Cdx. EAST::: Gw8PG/(G8PG) Gus hr. LMF29-has driven 300 miles this winter to try wk 160 fm Gw8PG --- Gswl/QUEST says "N. Dx Hrd" p/GSIGW, OLI, OJT, MYI, GRL, OLB, LIQ/a, PQA-6BQ-GW8PG-GM3ITN, PBA

Dec9::: W1BB returning fm KP4-KV4 lands unable ck conditions - however fm rpts apparently not too bad!!! NOTE- the night before DEC8 W3GQF worked an O.T. and famous early 160 meter DXer - and noted DXer all bands G2PL Peter - and hrd G6BQ, 3OQT, IGW-G6GM and DL1FF!!! W/Ve::: W9PNE hrd DL1FF239 15 mins-G3PU339 Briefly - EAST::: Gswl/Allen W1ME, TX-2EQS, UWD, FYT, GGL, KHT, IU-VFB!! W1TX wk'd G6BQ-G3PU --- G8PG/a/Gus hrd 2FYT449-2IU229, BJS559, GGL339, UWD339 sigs weak/QSB Fredawn Peak0612-postdawn peak0747 ---"Harry"/G6GM 78 Yrs yound putting out VFB Sig as usual!!! --- Gswl/QUEST; Ws1ME, TX-2EQS, FYT, GGL, KHT, UWD says PA, PN, SS-OH2YV, NB on! --- Gswl/Smith Ws1ME-2IU, FYT, GGL says Ws 3 deep between 1806-8 & Fish-Phones real bad!! ---Gswl/Iball-1TX359-2FYT569-GGL559-BJS449-IU459-3OQT339 using HCL155 Rx. SOUTH::: VP8GQ trying QSO Gs DLs/N.D. --- VP3AD/Dad hrd W2FYT/569/0410-UWD449/0425-UKS459.0436-SIRE559/0432 - Called all of them on 1801/N.D. Dx/Participants G2DCG-3OQT, PQA, PU, LIQ/a, PHO, OIT, CHN, REP, IMV, PIQ, ERN, GRL, NHE, PCN KFT, IGW, NJR-5JU-6GM, BQ, QB-8PG/a, JR-DL1FF, FL-PA, PN, SS-OH2NB-GW3PPF, VP3AD.

Dec16::: This Second Annual TRANSATLANTIC DX TEST was much better - but still spotty and with lots of snow static & Loran - Nevertheless quite a few QSOs ensued between 0500-0800 with a fwir number of participants and several outstanding QSOs. As a "Warm-up" W1TX on the 14th QSO'd G2PL, 3ERN, 6BC, 6TK and 15th G6BQ, 3ERN, PQA W/VE::: Roy/LTX wk'd G3PU -has new VFB antenna on only 50' Lot - results are what count!! W9PNE/Brice hrd DL1FF 30 min peak 239 also G3PU 0700z 339 rapid QSB. NOTE!!! Dec 15 Brice wk'd VP8GQ solid got 570 gave 459 for his 35th Country!!!! (Coincidence - VP8GQ was also W2EQS/Chas's Nr 35 Country!!) --- CONGRATULATIONS to W/VXO/Herb for the 2nd Transatlantic QSO EVER from W/ when he QSO'd G3PU559 rec. 3 VFB!!! W/VWX has only other W/European 160 QSO on record. He also QSO'd G3PU 11 yrs ago!!- Wish could print all of W/VXO's letter/Space limited-however he hrd DL1FF569/0730z w/Horiz Doublet & NOT AT ALL w/Vert. Could have kicked myself for not putting up doublet sooner he sez. NOTE W/VXO & W/VWX both also hrd Nov11 by FY/Swl Rolf Rasp 0545z - FBI! p/1BU-2FBA, IU, FYT, GGL, TMG-K2BWR-3GQF-4VYB, KTA-Wa4FJM SIRE, HRV, OOR, QWI, GY-KBUNP-9PNE, CUY, HLY-K9GZK-VXO, IFH-VE1ZZ, 2IL, UQ-3DU, AGX-1BB EAST::: G3PU's signal was terriffic and outstanding, staying in from 0500-0800, peaking 579-averaging 559 dipping 229 with slow QSB and wkg quite few Ws including W/VXO & W9PNE!!! (CONGRATULATIONS to Ern also on his first QSO with VP8GQ this AM) DL1FF was next-QSOing quite a few but not up to usual strength. G6BQ, 3OQT, IGW, 8JR also made QSOs. (The previous evening Dec15 G2PL569 wk'd W3GQF and band was quite open half hr with fair signals) --- Gswl/QUEST hrd 1BB, ME w/30' piece wire at ground level!! and nite before 1TX, ME-2FYT, KQT VFB!! ---Gswl/Allen hrd 1BB, ME, TX, VP8GQ using series tuned "LOOPSTICK" 2/short 12" screened lead!!! Sone goings-eh??? says it helps cut QRM/N -sumpin to try!!! --- Gswl/Iball hrd 1BB only Cdx bad Winds above storm force SOUTH::: VP8GQ QSO'd G3PU/0507z CONGRATULATIONS Peter - W1BB listened to both sides of QSO!!! Night before - 15th G6BQ also QSO'd VP8GQ for poss FIRST - (On 15th QSO'd W9PNE and Brice's son W9CDP at 0400z) VP8GQ that is. --- VP3AD/"Dad" hrd 2FYT569-K2BWR559-W9HLY459-W2FYT569-W1BB559-W1TX559-W8HRV459-W2GGL449 VE3AGX449 between 0300-0510z ---KP4AXU on 3.5Mc works 1.8 Mc Stns Cross-band --- FYswl/Rolf Rasp sends impressive list hrd 0500-0600z, VP8GQ589-W1BB589-2GGL589-SIRE449-2FYT459-1MIM59-2IU579-VE3AGX449-1TX459-K9GZK349-S4WI259 Condx outstanding QRM/high-QSB/strong. Also 14th Dec hrd W/VWX569/0700, W6KIP589/0713 and 15th VP8GQ 358/579 QSO G6BQ-0515z WEST::: No stations further West than W9/W/ hrd and none reporting to W1BB NORTH::: V01BD heard elg DL1FF/0435z-believe no QSO. Dx-G3ORH, OJT, ERN, NVO, GGS, ROZ/a, RKA, RIQ, OFA, POK, LIQ/a, OIN, KDV, MCY, PSB, PQA-6BQ, TK-8JR-ZL2BE-OH3NY-OK1MGMAEZMKSH, #CEA-GM3AET, AWP-SVWZ-GW3CBY NOTE !!! During this week the band openedcup Dec 21st and G3PQA put in a terriffic signal QSOing W3GQF, W1BB, ME-2IU-UWD-8HRV. G6BQ QSO'd W1BB, TX - and W1BB QSO'd VP8GQ ((9PNE also QSO'd PQA)

Dec25::: WWV sending "W-3", which is extremely poor Cdx - and so they were- not a trace of DX and all participants QRT early. Strange when morning before G3PQA put on such good show. Understand terriffic storm in G/land

An extremely interesting letter from George Jacobs/W3ASK comments on our FLASH bulletin Nov.11 ---"I hve mentioned the possibility of A & H bomb explosions causing absorption in the ionosphere, with some friends of mine in this field. They are of the opinion that the energy contained in the many bombs exploded recently by both the U.S. and the USSR is still negligible to the amount of energy that would be necessary to induce a long period absorption effect. With Bomb-testing apparently halted, how have conditions on 160 been?" - (George, since testing stopped conditions seem to be coming back to normal for this time of year, but extremely slowly and very spotty - whether there is any correlation or not is hard to tell - but some still feel that there is, others that there might be!!) Conditions hard to explain.

FINLAND ON 160!!! ----- Here is another Country available - word from several sources OH3NY, GW8PC, etc - HO HAMS allowed 1820-1845k & 1915-1955k - 10 Watts. Our old friend Matti Palavo/OH3NY, also OH2NB are on - Matti says "Cdx much poorer than 11 yrs ago sigs must go over Magnetic N Pole - will be active even though new QTH hr much poorer for ant - 75 to all!!"

PROPAGATION FORECASTING ----- Fm W4TUT/Joe a most interesting comment --"Your coincidence of QSOs p3 Bull#1 62/63 reminds me paragraph June 62 RSGB as follows - "IEE procedures 3/62 explains new method ionospheric forecasting being used by the D.S.I.R. based on identification of "Epochs" during which corresponding Cdx have prevailed past yrs, rather than plotting completely new forecasting maps as previous. It has been found usually possible identify some period within the previous 10 yrs when almost identical radio condx occurred. The result of this new system, is a great increase in accuracy of predictions made several months in advance" - Tax Joe Sorry abt ur S9 line noise washing you out on 160 Dx - Joe wants info on D.F. to find noise - can anyone help?? If so send Joe the references - Joe Check CST/ARRL.

ULTIMATE NAVIGATIONAL AID!!!!!! ----- Fm Boston Globe 11/8/62 -"A new Navigational aid developed by John A Pierce, Harvard Scientist, (who also developed LORAN)-Named OMEGA - 8 times better than LORAN - Range 8000 Miles (Loran only effective 1000 Mi) Three OMEGAs would replace 100 Lorans and give greater coverage - \$10,000,000. cost per installation however. Expected operational not less 3 yrs nor more than 5 yrs - been in development 12 yrs. Funded by three Services through office of Navigational Research - apparently operates on higher Fy than LORAN (Dont know fy yet) - \$0000000 maybe here's relief in sight from our LORAN QRM on 160 - We HOPE!! Anyone more dope HEARD ON 160 (Without mentioning any names) BY W1BB ----- "A fellow on this?????"

can stretch his ears -when digging for Dx on 160 @ or any other band - but especial 160 -to the point where he THINKS he hears sumpin!! Did YOU hear ever so weak a sig on 1827?? I thought I did!!! - Gosh, I doubt if my ears will ever go back into shape" - Now isnt it the truth????!!!! W1BB at least knows JUST what you mean, O.M.!!!

MARKER DHJ54/2 ----- Per G3PQA "Has packed in and is replaced by DHJ59/2 which is a much weaker station - so if you dont hear DHJ - dont despair of Dx"- Tnx John !!

CYPRUS - Fm G2BVN/Steve comes word that 5B4PB is Famagusta, Cyprus & Now active - usually fm 0300-0450z 180lk alternate odd numbered days. Static high/but will TRY!!!

160 in FLORIDA ----- de W4IYT/Andy Florida Skip Ed. - "You said there is nothing keeping us fm at least listening in Fla to 160!! Oh YES there is Stew - LORAN!!!!!! I'd like invite you Fla just ONE Night - ANY night and "Listen" to 160!! You probably couldnt stand the 40 to 60 DB over S9 racket fm our HiPwr LORAN Stns - Man it's JUST AWFUL!!!! - lets hope however some day they'll turn off these QRM makers an allow us back on"!!! Tnx/Andy-real sympathies and hopes for a better future!!!

"FLORIDA SKIP" Mag/W4JO "Work For Joy Only", Frank, Advt Mga sends extremely FB comments --"160 been dead band Fla many yrs-missed band mucho- W4EB/W4JO organized "Miami 160 phone gang" in 1930-Frank used 201a Mod W/247-still has it -(In Attic)-- in 1933 Mag "HARMONICE" born devoted 160/Phone/Hamming-Net met SAM Sundays - so you see 160 is vy dear to hearts of O.T.s arnd Miami - we used Long Wires/Low Pwr - Dx was anywhere out of the state" the I once QSO'd Europe with tt 201A - wl be listed Transatlantics - If poss thru Loran -was THERE at the very FIRST & 2nd TRANSATLANTIC w/cans only " Frank O.O.T./Tnx Vy interesting Comments - Hope 160 back to Fla Soon!

AMERICAN SHORT WAVE LISTENERS CLUB -----Jim Howard, Ed, says "Thinking of offering awards to ASWLC members who report overseas 160 meter Dx stations - might make it a Club Contest" - this would help Dx stns a lot!! Tax much Jim - Hope you do it!!!

SOUTH AFRICAN RADIO LEAGUE/Michael C Bosch/ZS2FM, East London ----- Writes " Our group has embarked on a project to revive interest in "Top-Band" in view of low MUF expected during Min Sunspot Cycle. Following stns are on - ZS2CE, CD, FF, FM, GN, JH, KA, KW, LC, CF, OL - some VFB/Most Ktal 1950k - ZS2FM has rock for 1987 - pwr 10w, 1987kfr OK!!! Julius Reitmayer/Club Station OK1KCI ----- says, trying hard for W contacts. Requests contacts & Contestants especially for their "TP" TEST 2nd & 4th Mondays 160 - fm 1900-2100z - Exchange rpts RST plus QSO Nr ie 579013 - Call CQTP. One QSO rpts Multiplier is No. QSOs during 1st half hour 1900-1930z. Send TEST Logs within 3 days to Central Radio Club PO Box 89 Praha 1 Czechoslovakia - OK??? (Time NG W/Ves)

MISCELLANEOUS TOP-BAND NEWS ITEMS -----G/swl/Norman Smith was season's earliest, latest, most persistent SWLer!-His rpts kept up all summer! Oct6 band sounded STINKO no activity Norm kept at it finally digging out WSHGW & VP6GQ fm mud 30th VFB!!! ----- GW8PG/Gus, Oct14 h/G8BQ, 3IGW, CQT, OIT, PQS, NQF, GSS, active/NoDx-Gus vy happy/Psed w/new Friends/Activities 160-says "More Antenna dope & SWL rpts fm W/Ve, Pse"!!! DL1FF/Arma Per Gswl/Quest) who can be counted on to give 160 real working over, has VEE beam, 50' high towards WEST being hrd terrifically loud in Europe-broke thru to W/VE 449 Nov4 DL8KP, 1W, 60S also active. ----- HI9J/PADDY (11/6) Hopes be on soon - says "Regarding your saying that Trans-Equatorial Cdx best summer - I could agree - Over last 12 yrs Jun&Jul hv bn two best months in yr - QRN rarely high hr-we get no extremes - I am particularly thinking of 80/same goes for 160 Tnx Paddy/benu ----- OY7ML/MARTIN, got spcl lic operate 160 on 1825k during TRANSATLANTIC DX TESTS. First night on wkd 20 stns inc. many Gs, HI9J, DL1FF, GW3JI - Hrd a N African, could not raise-using 10w -

Congratulations Martin!!!! ----- USA/SWL/Adrian Fallert/Hamilton Ohio taking part in Dx logging per GW8PG/Gus who was hrd by him Sep30, 0800z, 449. This is VFB to have USA SWL!!! -----Gswl/QUEST rpts DJ2KS, 3KR, 1FF, KB, 7IL, 1W, 60S active 160-also NOV7th OY L "Exploded" on 160 wkg string Gs, DL1FF fr FIRST ever DL/OY 160 QSO!!! OH2NB wkd DL1FF Nov13 & G8MYI on CW&SSB for a 1st!!! 5B4PB emerges fm QRN now and then-Tnx Tony VP3AD/DAD wl be on regular TRANSATLANTIC TESTS only whenever poss. 180lk - can make no special skeds at other times/time limited - had rig trouble/now fixed - Good news G3OCT/Dick says "I want to cross pond SSB - Anyone interested please contact me for series skeds weekday mornings-(So not QRM boys hr weekends/make myself unpopular!) OK SSB gang write R.F.Molachlan 27 Lake Rise, Romford Essex Eng - Dick nw has new ant bent 1/2 wave -has crossed pond 4 times since Sep30!!!'VFB!! -----PYswl/RolfRasi doing FB listening 160 Hrd W1BB several times on "CQ DX TEST" calls & other ??????? weak signals - band bad FY land however NOV. ----- G2HKU/Ted has new QTH "Now actual above sea level" wl b on soon. ----- G3CHN/Roger "Patchy season so far-G3FPQ wkd VP8G OH2YV, NB & PA/KN, SS active" Tnx Roger ----- EL4A/Ken "It doesnt look like I'll ever be on fm Liberia agn/confiscated all gear Sep27-wl be lvg spring-hope go some rare 160 Dx Country next to make up for lost time" Congrats to Ken&Traut on VFB y1 Jr Op!! -- ExG3MIK/Rex 160 Dxer nw VE2BKK is at Perry Iowa "Long live 160-wish I could be more active" ----- G42BUD/Dave wl b on starting Jan 9 - His SON graduated "Associate"-Royal College Science & Technology & Wkg DeHaviland Aircraft - VFB Dave/Congrats-get him interested 160!!! ----- ZS2FM&ZS6XQ&"RADIO ZS"Mag plugging 160 in S.A. - bound to be more ZS 160 activity soon!! ----- G3PQA/John "Wl be glad make special skeds with anyone anytime" ----- G2DCG/Ernest plugging 160 hard-wkd UA3NB, DJ2KS, OY7ML, G3SUB, OK1AA2, DJ3KR, 1KB, 2KS ----- PA2AN anxious for Ws-Nuf Sed!! ----- JIM/G3SIAA (EXVSLAA) wl hve new mast soon & active 160 agn ----- G3OIT/Keith wkd OH2NB, DL1FF& Others ----- W1WY/FRANK regrets time doesnt permit much time on 160-has 75A4-intends some activity-offers give good CQ Publicity to "HOT" 160 News - Tnx Frank ----- W9PNE/Brice "Never hrd cdx so poor-dec3-WWV/"W-3/4" for nearly 2 Mos nw-only few times up to N5-You hv no idea hw difficult it is to wk 160 Dxfm out hr - Noise level low however - testing various ants/interesting & Confusing results -Wkd 80 exclusively during CQ/WW DX test after 6th Straight Certificate-Hope!! Congrats Brice!! ----- K4KSY/Rev DraytonCooper Moved to Southport N.C.-on soon as can solve ant problem/little space-wl use new SP-600-JX-14 Rx - benu Dray on 160!! ----- W8ANO/Waldo ex avid 160 Dxer listens 160 on old BC/Rx but still no Tx-too bad!! ----- W6KIP/Alex means "Out here I dont know 160 could be worse!!" All I can hear is big juicy power leaks arnd clock" Sri/Alex

November 11, 1962

!!! FLASH !!!

MIDDLE NOVEMBER

!!!-- 160 METER DX report de W1BB --!!!

Dx in all directions since October 1st have been extremely poor, although some spotty DX has broken through to W/VE, namely, VP8Q (Weak) - HR3HH good signal - and DL1FF weak and briefly for 20 minutes (No QSOs) using his Vee beam and calling CQ DX --- European "MARKERS" have been conspicuously absent except for the briefest moments.

This raises a question as to what has happened to 160 meter Dx. Up until October, it was our best year - with the earliest Transatlantic crossing on record and lots of Southern Summer DX including VP8, ZL, VK etc and apparently continuing to improve while the SUNSPOT Numbers increased, as expected.

However - rather suddenly from the first of October on, it has been almost as though a DX barrier had been thrown up, which even the strongest DX signals can not penetrate.

Many are wondering if the Pacific NUCLEAR tests could be responsible for upsetting the Ionosphere and casting a "blanket" over 160???????

All 160 Meter DXers are active however, and holding on hoping for the "Break" to come soon!!!!

Most active W/VE PARTICIPANTS are \cong Ws1BB, TX, ME, UZ, WY-KLMO-2EJS, FYT, IU, UWD, KHT, -3GQF, FBV, -4CKV-5KG, NU, SOT-6KIP-Wa6CDR-K7DEK/7, K7HDB-8GDQ, IQS, CIJ-KBIQ-9PNI -8HW
UKV-K9JDK, -~~ANWX~~, IFH, GBV, VXO-VE1ZZ, 3QU, DU, FF DX PARTICIPANTS are \cong G6BQ, G3ERN, LIQ, PU, CHN, OIT, PQA, IGW-~~BERNH~~ PU- G5RI-G6GM-G8PG - GM3IAA - GM3ICS - GDSUB - HR3HH - VP8Q - EI9J - UB5WF and others.

Stewart S. Perry/W1BB
Stew

(During Week of December 2 W1BB will visit KV4AA "Dick" in the Virgin Islands --To discuss possibility of 160 Meter DX operations from "YASME and future DXpeditions

February 5, 1963

PYswl/Rolf-PYLNFC

Here is all the "Latest" on 160 Rolf !!!

That was VE3BWX you heard - not VE3DWY on Jan 29th

Yes - I was calling you and believed I heard your signals RST 229 under the QRM and QSB on the 29th - Tnx for reports

Am sending the GE NEWS LOGS as you requested

Your Crystals have arrived and will send them soon as I can find the time to pack and mail - OK??? Will pay with your \$12.00

We should have QSO'd Jan 24th when you heard me 579 - dont understand why we didnt

Thanks for CQ*CW*WW*160*CONTEST LOG
Very Very FINE ROLF OM!!!

Will try to be on 40 one of these days - cant promise - all tuned up on 20 right now - and MY TIME FOR HAM RADIO IS SO VERY VERY LIMITED it is very difficult for me to find the time you probably dont understand but it is so and our schedules during the night I can only get in because I take it out of my hide - and from no one else who has demands on my time

These are the correct calls for 27th W2PSQ not PHQ ---K5ALU
All OK - Wa2OJL cant help you -sorry

HAPPY HAMMING ALWAYS ROLF and here to QSO very soon now!!!

JANUARY 31 1963

WIBB - 160 METER DX - BULLETIN

1962/1963 No.3

de WIBB/General Remarks ----- Everyone is elated with the increasing number of Dx QSOs, the lengthening time Dx stns stay "in" - the lengthening skip!!! G3PU's v'y astounding signal 0500/0830z 339/579 Jan6 - FIRST!! DL1FF/VE3AGX QSO!!! --FIRST!!! DL1FF/W4VXO QSO!!! --~~DL1FF/W4VXO QSO!!!~~ Jan26/0800-- FIRST!! W6KIP/W4WQJ/VP9 --W6KIP/ZL3RB - FIRST HC1DC/G3PU Qso JAN20 --W1BU/North Africa!!! K9HBR/2/G3JR CC-WW-160-CW-TEST fortunately hit peak edx Jan 26/27 when W1BU wkd 28 Foreign QSOs in 15 Countries -- K1DIR/12Countries, 2IU/10 - Many W6s, 7s, VE7 were SB/9 on East Cst - DXtest scores over 24,000 -- and other unrecorded accomplishments. 160 is trying to live up to what was anticipated for this season (Before Atomic/Nuclear tests in Oct) - SWLs having field day!!! --DX horizons have expended too on 160 since the fabulous SAM HARRIS W1BU, CW/SSB showed up on 160 & Dec - now working Dx the rest of us cant hear!! BB is convinced what we all need now is a 170' tower, a RHODODENDRUM swamp, "Moonbounce" technique and Sam's know-how!!! A word of thanks to all who report to the BULL!! If condx and activity continues at present level BULL will hve to adopt policy of reporting ONLY the MOST important events, as TRANSATLANTIC and other DX QSOs become more commonplace!!!

WIBB/Summary LOG of 160 Meter Dx Activities!!!

DEC30 --Cdx nt too bad & sum DX wkd spite of WWV's "U-4" warning ^(WVE) Nice to h... N1PPN/Cliffe first time this season QSO'd DL1FF!! ---- K9HBR/2-Al Greulich, is wintering on Stmr E.S. Kendrick, Buffalo NY Harbor w/FB Antenna&Rig-QSO'd DL1FF, G3IGW, G3PQA and was hrd N. Africa sez "Glad to be back on Top Band"!! sure has potent sig-ant over ship & water Gnd, VFB!!! ---- K9SZR/Fred hrd DL1FF579, G3PQA559, G3IGW449 HR3HB579 w/5band dblt trap ant 35' high-nice list fr W9!!! ---- W5SOT/Chas "160 has been exceptionally poor this yr noise low/no sigs-wkd HR3HB549-am checking 35' vert miss tall pipe trees" FB Chas ---- W8GID/Willie "Best W8 Eu nite in yrs"!!!

PC:VP7NY,HR3HH,DL1FF,G6GM,G3PJA,FGT,hrd weak sigs 1877 ZL3RB??ZL3WR?? ----- 2.
VELZZ/Jack:G3ICW,LIC/a,OK1WT --- W3GQF/WITX/Roy:OK2GE --- W3JIN:DL1FF,HR3HH --- W3GQF
Dick:G3PJA,NBP,FGT,6BQ,GM,HR3HH,G3PG/a,DL1FF,DHJ59/2,?A?CJ-----EAST::DL1FF/Best
sig,up to 589:1BB,KSHR/2,VE2AGX,1PPN,IWY-----G6BQ:1BB-----G3JR:1ME-----G3FM:1BB-----
G3FGT:G3IQ-----G6GM:8HRV-----G3FM,459: CONGRATULATIONS First Crossing QSO'd W1BB/0620z
Gswl/Quest:K8HBR/2,1PPN,ME,TK,WY,BB,VELZZ,3ACX---Gswl/Iball:1BB,ME,PPN---G3ICW:VELZ
K8R/2,1TX---G3PG:1BB-----WEST::HR3HH put on FB show QSOing quite number W/Ves!!
JAN6 --- 3rd TRANSATLANTIC DX TEST - WOW!! At long last band seems to be
picking up - more like old times - lots signals.long skip-42 W/Ve & 45 Dx Participa
Following rpts self explanatory----W/VE::W3GQF/Dick-impressive rpt:G3ERN,O,T,OFA,
ICW,FGT,6BQ,GM,5JU,VP7NY,VP5XG,EA4GR?,6KIP!-----WA6AFI/Dean:HR3HH,HC1DC579,XE1OK,
VE3QU,AGX579,1BB449,2FYT589,8HGW599,GDQ,HRV,9EWC599,K9GZA,6CBV on low end-VE7EH589,
7AKI,W6KIP,K3PAK,WA6ATT,W6KME,K7OEP,6SDN all 599."We live trailer park lot 30'x65'
ant entirely our own back yard 10'x30'-50'vert base load gnd radials,more dope?
write!" Tnx Deane & xyl Jeanette-----K7HDB/Dick"Hrd Ve3,wkdVe5,hrd8,9s briefly 0500
Cdx peculiar-sigs didnt buildup like snd-herb says there is 5000 times diff between
LORAN & HAM sigs-I believe it!!"-----W3GQF/Willie:G3PU,HC1DC,HR3HH,DL1FF,K7GCO,6KIP
VP7NY"Got VP8GQ Qsl my 589!"-----K9GZA/Jack:HC1DC,HR3HH,G3PU,DL1FF,vfb!!-----W1PPN/
Cliffe:OK2KGE,DL1FF,GM3PBA,G2PL,G3LIQ/a,CJT,PU,6BQ,DJ2KS,G3ERN,ICW,NBP,OFA,8JR"Any
past deficiencies Nw made up for-180 really HOT!!"-----BOY!! Top MAN WITX/Roy sure
was HOT!! 13Dx QSOs inc OK3KGE,whats the secret Roy?? (1PPN/8,IWY/7,1BB/6)--OK2KGE,
G2PL,8ICW,PU,ERN,OZF,OCT,LIQ/a,MYI,6BQ,8JR,GW3JI,G3NKJ-"GOSH"!! as Chas would say!
WIWY/Frank:w/new dipole wkg fb G2PL,G3OQT,PU,LIC/a,OFA,6BQ,GW3JI,DL1FF,VP5XG,VP7NY,
"Best top band opening long time - Most W/VE boys used their heads, staying away fr
1823-1825 therefore causing no QRM to DX"(ALL W/Ves Note!!!)-75A4-VikingII-FullWve
dipole 50' high E/W Tnx Frank CONGRATS!!!-----W9PNE/Brice"Cdx excellent-clnt rais
DX but sure cd hr it HC1DC,G3ERN,G3OQT,G3PU,GW3JI,XE1OK,VP7NY-EUs hrd 1 1/2 hrs-was it
one way skip??Scouted up & Dwn band trying get sigs thru-Nd-Cdx definitely on up-
swing-noise level NIL" -sorry no QSO musta bn 1/way skip -NO W896 made it either.
VELZZ/John"Hvnt bn on much as usual but rpt GM3PBA(His 1st crossing),G3OLB,G6BQ,3P
G3PGN,OK2KGE,DL1FF,G13OYG-vfb!!-(See VELZZ elsewhere UNDERGROUND!!-----W9SZR/Fred"
told W9EWC's otr fed full wve inverted Vee 70' up:HR3HH579,VP5XG879,DL1FF229/449,
G3PU338/559,VP7NY579 mny otr unidentified sigs-is we missing boat?? Can copy DHJ58
earlyas 2330z, also German 40Kw 1586ke std early as 2000z"???-----EAST::Gswl/Sm
Smith fb list W1BB,WY,EVF-2EJS,FYT,KQT,GGL,IU-3GQF-K4HJJ,VE3AGX-"Bn showed-under N
hr lately" Tnx Norm!!-----DL1FF/Armin top man extremely HOT!! wkd 14 stns,hrd4-W1BB
ME,TK,PPN,WY,BHQ-2KQT,IU,GGL,KHT-3GQF,RFA,K4HJJ,8HGW,2UWD,FYT,BHQ,VE3AGX"using 7yr
old fullwve Vee 50' high NE/SW 5db gain-nw erecting 100' tower fr 160 vert - 5Cont
nents,need OCEANIA -28 Countries(33wkd)-trying ZLsvks Feb-added sharp audio filter
to Rx-helps in QRM-best Dx VP8GQ Dec23/0352z,eldest daughter schooling @ Lancaster
Pa-excuse 15 min tape CQ Dec16/snoozed-33licensed D stns-look fr OH2NB,NY-UB5WF,CI
U05AA-5B4PE-SV/WZ-ZB1EX,FA-PA/PPN,SS-HB9CA,T-" Tnx Armin/CONGRATS!!-----Gswl/Quest
"Cdx gud!hrd 16Ws&VELZZ Hwvr rare DX activity nil-W1BB,ME,TK,WY,BHQ,PPN-2EJS,FYT,CI
GGL,KQT,UWD,IU-K2CHQ-3GQF,RFA-8HGW,VELZZ&SV/WZ" Tnx Tony-Fine!!-----G3PU/Ern"added
more countries this yr nw total 39!! VP8GQ & W6VXO biggest thrill QSOs fr yrs!!"
W1BB,PPN,ME,TK,WY,BHQ-2KQT,UWD,GGL,FYT,IU,YIB-K2CHQ-3GQF,RFA,-K4HJJ-8HRV,HGW-VE3AGX
Nice going Ern!!-----Gswl/Iball:W1BB,ME,WY,TK-2IU,FYT-8HGW-----Gswl/Allen:"Logged
onFERRITE LOOPSTICK ant only "a round dozen" VELZZ,W1BB,PPN,TK,ME,WY-2FYT,EJS,KQT,
UWD,GGL-3RFA-"Ws should NOT wk Gs in W band-causes Gs to wk on TOP OF W dx and
messes things up completely" - Excellent Geo.!!-----G3ICW/Mike"Good 160AM made up
for past disappointments completely-wkd 9Ws" W1ME,TK,8HRV,1BBQ-2KQT,UWD-8HGW-3RFA
3GQF,2YIB,1BB-2FYT,EJS,IU,HC1DC-8HRV-VE3AGX,2ABC-W2YIB's 1st Transatlantic QSO Fr
ZL-----SOUTH::VP5XG/Pete,Kingston Jamaica 1819k made big stir QSOing numerous W/
including W1BB,ME,WY-8HRV,HGW-9EWC-K8RYU and others -Pete also hrd G3PU & DL1FF!!
-----HC1DC/DonMcClennon/W3EIS HEARD FROM % NASA US Embassy,Quito Ecuador (ExHCLAGE
Jan6th:W3GQF,K9GZA,VP5XG,W6KIP,G3PL,G3PU,DL1FF,1BB,2FYT and mny otr Ws hrd-"Best
reception night ever hrd hr but a frustrating evening - couldnt raise Europeans,&
Vj few Ws after long CQ-Band full of Ws clg CQ/wkg each other!!!! W1 b on several
more times this season esp ARRL DX TEST" Tnx Vy Don Fb hr fm u!!-----ZL3OK/Jack
"Hrd W6KIP439 & K7GCO429/0905-15z!! Am looking for W skeds Hv extended dipole 45'
high-like 160CW/sticking to band despite difficulties" NOTE!! ZLs Fys 1875-1900Kc-
Fr Dx opr 1975-2000 ZLs call on 1898-1899k-For DX opr on 1800-1825 ZLs call 1875-76
to avoid much LORAN as possible" Tnx Jack very very MUCH!!!

PYswl/Rolf:W9PNE0569, HC1DC349, VP7NY339, W8HGW449, G3PU119-----**(WEST)** : :K7GCO/Ken 5.
(W7WVE opr at times) with vert phased array BANGING in East Coast - also hrd by
Z130X429/0912zi!! Judge probably has more antenna research to his credit than any of
other HAM - his land is maze of buried radials, verticals, beams and Vees - VFB!!!
W6KIP/Alex wkd HC1DC/Don. HL9KH getting ARC5 Fm W6GHI shld be on sn if deal goes tr
ough - K7GCO w/vert phased array - gain 3db-puts terrific signal hr - may set
ne. ant style - HK7ZT shld be on soon -- 160 Cdx far fm any peak out hr - 1930 WAS/

JAN13 Outlook at start only fair, but medium Dx in all directions, excepty
North, created lots activity & satisfaction for those chalking up new Countries. 27
W/VE and 9 Dx stations participated.-----**(W/VE)** : :W1BB/Stew:G3OJT, PU, 6BQ, HC1DC, HR3H,
VP5XG, VP8GQ, VR30, DL1FF, 6KIP, ~~W6VBY~~-----W8GDO/Willie:VP8GQ579!! , HC1DC, HR3HH, W7LNG,
K7OEP, CTH-----W2UKS/Bill:VP8GQ-----W1WY/Frank:VP8GQ, HC1DC, HR3HH, G3PU, W6KIP, Wa6CJW.
W9PNE/Brice:HC1DC349, VP8GQ459, HR3HH449 "Lost 30' feed line mast in storm-everything
folded up-temp hitch nw Fril2th QSO'd G6BQ!! Hrd G3ERN, OJT"-----W1EX/Roy:VP5XG

(EAST) : :Gswl/Smith:W1BB-K4HJT, 2IU, VP8GQ-----Gswl/Iball:No Ws-VP8GQ.-----**(SOUTH)** : :
VP5XG in solid 2 hrs QSO'd W3GQF-2EQS, UWD, IU, KHT, 8QIL, ~~ANWX~~, V10 & others - and tnx to
vib operating assist by W3GQF, QSO'd ~~VXO~~-AND- also W6KIP -----Chas/W2EQS celebrate
39th Country VP5XG w/martini!!!-----HR3HH/Hal QSO'd some old-some new Ws w/nice sig
VP8GQ/Peter:HC1DC, OK1KSH, W2UKS & others-----Z13RB/Miek:VR30/0800/1995k--VR30/0845/
~~1802/569-W/ANWX/449-W6KIP/449~~"Clnt raise either!"-----HC1DC/Don:W2TU, GGL, EQS-3
3GQF-SHRG-KERRS-~~A1H~~-VP8GQ-DL1FF-OK2KGB Nice wk!!-----PYswl/Rasp:HC1DC, K9GZK, 1BB

says HK4EB expected on -----~~W6KIP/Alex~~ **(WEST)** : :W6KIP/Alex was 559/589 on east/coast
he QSO'd VR30 for new country - his 2nd in one evening -also wkd VP5XG -W6GHI also
~~QSO'd VR30~~-----VR30/Martin just rec'd new rig w/converter fm W6VBY/Herb -VFB
Herb and Mc tnx fm gang - VR30 was hrd by W3GQF559, by W1BB339- but QSO tries asst
by W6KIP failed-----W6KIP/Alex also advises HL9KH/Korea expected on to push the 16
meter frontier still further West!!!-----OTHER PARTICIPANTS//W1BHQ, DMD-2FYT-3AJS-8
EFW, QWI, HGW, HG-9SZR-~~NUI~~, A1H, GZK-VE3DU, IZZ, 3AGX--G3RQA, CNM, LIQ/a-8JR-U05AA, G16TK
UB5WF

JAN20 Test started off poorly with static S7, WWV "W4" but indication
of long skip being "in" - quite a few "Eu" sigs were strong enuff penetrate QRN w/
a few QSOs resulting ----**(W/VE)** : : :W1BB: HC1DC, DL1FF, G3PU, G3CHN, G3JR, G3ICW, PC
G3JM, G3OJT, HR3HH, VP5XG, G3KLA-----K5ALU/Red is creating quite a stir w/new half
wve invert Vee 55' high center QSO'd HR3HH, HC1DC, VP5XG, XE1OK, was cld by G3PU!!!
W4CHK/Fred:VP8GQ, VP5XG, G3POT!!-----W9PNE/Brice:VP5XG, HC1DC, HR3HH, G3PUonly Eu-----
K5ALU nw planning 2 Vee beams 2 waves on each leg - one to Eu other Central & S.A.
has room for 5 of these, 50' up!! Some lucky people!!! Tx-TB750Viking.-----W5SOT/
Chas"Dx coming thru but clnt wk it!!! VR30559-0620, 1BB/s2-7-HC1DC, VP5XG-KH6EOP33

Re NUCLEAR TESTS "Considering time high Altitude shots affects TELSTAR I'm not
convinced that such a large number of tests wouldnt affect 160!!" Tnx Chas - Chas
has theories about Wx & Mag. lines force Vs 160 propogation-more later. ----**(EAST)**
: : :Gswl/Smith:1A4E, 1BB, BU, PPN, K1DIR-2GGL, FYT, IU, KHT-HC1DC! Vy fine list -----Gswl/
IBALL:1BB579, K1DIR579, 1BU569-Tnx ----**(SOUTH)** : : :VP3AD/Dad Hvg Lightening trouble
160 however hrd W1EX, ME, 2FYT, K3MBF, 1PPN all av 449-----HC1DC/DON QSO'd G3PU!!!also
K5ALU, ~~A1H~~, 1BB, 1BU, 9PNE, HR3HH, XE1OK, - Hrd 1PPN, DL1FF, G3PQA, VE3AGX - nice going -
especially QSO G3PU!!! "Called many CQs on 1998 but no answers!!

JAN26/27 **CQ-CW-WW-160-CONTEST** "WOW!!!" What a TEST -- This BULL will
NOT attempt to cover it, leaving this to CQ/Chas/W2EQS whose event it is. However,
160 was really superb!!!! Excellent Cdx EAW-Fair to S - W1BB adopted role of Non-
Competitive Observer - not to boycott-but having won W1 Certificate 3 consecutive
yrs, decided to give other W1s chance - might have won agn you know - and then
might NOT have- anyway, it was interesting as "Observer", studying changing Cdx,
skip-listening to the boys "Digging"-operating techniques (Some superb!!).- pickin
a few special QSOs-getting some sleep-doing some "Clerical" work-lots of fun -
enjoyed it!! Quite a few reports have been received from participants and SWLs
listing stations wkd or hrd and events ALL TOO NUMEROUS to be mentioned here -
usually W1BB is snowed under with this!! Tnx anyway -All - and special word of
commendation and tks to SWLs G/QUEST, IBALL, ALLEN, SMITH-PY/RASP - these boys had a
real field day - wish I could list all the enthusiastic comments (Space forbihs) -
Apparently many high scores Would guess W3GQF high who displayed FB operating skill
W9JIN"160 Better than I've ever hrd it" --- W9SZR"Cdx Excellent"EI, HC, DL, G, VP9, VP8
Gswl/QUEST"Condz terrific!!"--Gswl/Iball"Band more like 40 than 160"!! ---G3ICW-
Things certainly were AFIRE" ---G16TK" Never heard anything like it!!" VFB-VFB-VFB

FLORIDA CHECKS IN ON 160!!-Besides FB support given 160 by "Florida-Skip"/
W4IYT & W4JO we now hve an actual TRANSATLANTIC RX TEST report fm W4CII/Don, breaking
the ice Hrd DEC DECL6;VP8Q-G5FU-DLIFF-GSIGW-Ws1BB, TX, BU-2IU, FYT, GGL, K2BRW-3GOF-4VY
W44FJM-6KIP Congratulations to DON for FIRST Florida participation in TESTS!!

VR30 MARTIN BLACKSTONE Wa6MFY per Herb Haley W6VBY is employed by AEC Contractor on
stmas 1st - will be there until MAY 1963 -temporarily used RANGER QSO'd W6KPG
FIRST!! ever VR3/W 160 (This corrects previous Bull). Martin, ardent DXer anxious for
more conquests - watch 1998 and 1802 Kes W6VBY just made-airexpressed (T18ARC5/100w
160 rig (TaxHerb!). Uses y/2Dipole-Herb/W6VBY puting up himself 80' vert/expects
activate On 160 Dx soon -W8KIP/Alex doing splendid job MCing fr East Coast gang -Tx
mucho Alex - Fys 1802-1998. Times mostly 0700-0900 Sundays usually 0700-1300 -has hd
converter troubles/now OK - has Wks W6VXO, 9PNE, 0SDN - hrd VESACK, 6GDO, 1BU-FE/Martin

SURINAM/PZ????? -Have any Ws QSO'd this elusive S.A. Country for sure?? Last Yr a
PZLAT QSO'd quite few Ws-no one has ever rec'd QSL though call listed as Legit ---
On Jan 10'53 0025-0135 stn signing PZLAR/Willie P.O. Box 431, Paramaribo came on w/
suspicious steady not sounding like Dx 559-579 signal QSOing Ws2IU, FYT, 1BB, 2UKS, 1BH
claiming 50w/1625 w/NC173Rx 50' Vert Ant - fingers are crossed & Tongues in Cheek!!

KH6IJ/KATASHI NOSE ~"HANY-Regards to all-however 160 is OUT of my life for forseeah
future-hvnt bn on air since rnd world trip, Pakistan Etc - Home-got new job w/Univer
ity HAWAII & W/Moving, new QTH, New Job etc Ham Rdo relegated to minor part of life-
hope to be back, probably never to previous extent-hope write article re KH6 160
listening/seem to hv hrd stns others dont hear -isnt matter of antenna alone-nor QTH
was 10 miles from MEGAWATT Loran - believe matter of knowing hw to listen&When-Dont
claim b expert-but hv hd sum xperience" Tax NOSE/Sri Curtailment 160 misses yuh-738

VELZZ UNDERGROUND - A VERY REAL FIRST!!! ON 160!!! - Jan6 VELZZ on 160 set up sta
350' UNDERGROUND in salt mine at PUGWASH N.S. Canada - VELPV/1 was on ground level.
The surface dipole was stretched out on the ground-a similar ant 630' down in Horiz
mine shaft. Signals 699&Excellent both wayy CW/A3 0 also rec'd sigs underground fm
NA Cutler Me. 14Kc several hundred miles away through ground and CFCX 630Kc & sever
other LF sigs hrd - Test conducted to find out what Fy would be best for mine
rescue work - 160 has it!! This is sure a REAL FIRST sincere CONGRATULATIONS Jack!!

AMERICAN SHORT WAVE LISTENERS CLUB-Jim Howard 6204E109th Terrace Kansas City Mo. ne
needs more SWLs on 160-are plugging 160 on "CALLING SHORT WAVE LISTENERS" over WRUR
saturdays 1830 15.385, 15.440, 17.730, 17.810 & 17.890 - also Fridays 2135GMT 9.695, 11
11.855 - "OQ SWLs" is FIRST program on so you hv to be ready for it on time!! Try
it W/VES, also DX Hams & SWLs - then write Jack with News Items!!!

W8SZR on NUCLEAR TESTS-"I am firmly convinced they had something to do with strange
Cdx on 160 early part season. Driving home late evening in OCT was startled by the
appearance sudden aurora Northern sky. Hrd later USSR Exploded Bomb in Antartie 10
mins before this" - Tax a lot Fred - anyone else w.supporting data???

WE MISSED IT!!! W1WY/Frank mgr WHN/1050k NY "7 letters fm overseas reporting BC
reception WHN, 5 fm SM, lfm OH, lfm G on 8th, 9th, 10th JAN 0130-0230z -looks like
we missed the boat on 160 - would hv been good night on top band and early hours!!!

WOW!!!!-W6YY/John, will be on soon fm top Mt Wilson Cal. ccl997k using 2 half wve
dipoles/phase hung fm top 450' T.V. Tower!!! "Iam in midst intriguing project movin
all Tx inc 160 to Mt Wilson, controlling them over 420Mc link fm home QTH LaCanada
Cal. Hv FCC/Authority-quite well along nw" BOY!!! This is IT!!! (4-y/2 dipoles-80)

WKA/SWL THORPE ON NUCLEAR TESTS "I was listening the night the Pacific TESTS were
set off & it just wiped out LORAN stns & all BC band fr hr or so" Thanks Chas -sri
your back operation not complete success-time no doubt will help-best wishes fm all

ANTIQUUE WIRELESS ASSOCIATION on 160!!! Bruce Kelley W2ICE, Secy on 160 sa w/1922!!!
voltage tx UV202hartley-UV202buffer-UV203Amp-SBCarbon Mike-UV201Speech-UV211
Housing Mod w/50"Slop-Jars" CRAC Fwr & ESGO Generator. UV202 RF was superb in 1922
(W1BB WISHES!!! he had kept HIS rig!!! w/UV202) why not now-VTB Bruce BCNU AWA/OOT

W2GHK/STU MEYER-Nw on 160 & just elevated to PRESIDENT of HAMMARLUND - CONGRATS!!
Credit to Stu for nice 160 Rx in HQ170 w/good bandspread!!!

MISCELLANEOUS TOP BAND NEWS ITEMS ***** Alex/W6KIP still hvg pwr leak trble 5.
Early season generally poor Dx w/occasional sig fm East mostly weak/fading - but
upsurge lately w/VFB signals fm East - been skedding VP8CQ hrs him S6-8 but cant
hr him except weak wisper -Spent last summer remote UTAH/ORIDCON just wandering arnd
enjoying scenery/taking photos-visited DEATH VALLEY - wishes old remote control rig
& listening Death Valley nice 'n Quiet Thar ----- Ex/HP2BK/Bob & Lorna nw in VSL
la '160 is allowed 10w however no one TRYING 160 or 80 hr since 24hr a day lightni
storms keep RN level high-spending 3wks/MO-Singapore/one Sumatra" Luck Bob&Lorna-
bet you'll try 160!!! ----- W2EIN/nw/W1ESP wishes for"Good old days on 160 - someh
HAM radio doesnt seem same since we were deprived of 160-what is 25kc? Just a token
gesture!!" Brad, were working & Hoping for better times on 160!! -----Gene/W6YC wl
be more active 160 sn as rec'derved fm successful operation removing 70% Stomach -
gang happy youR'e doing so well Gene-Cheers!!! -----UB5WF/VLAD" Took part on WWDX
test all on 160--1515 points-11Countries-7Zones-101QSOs vfb VLAD-hopes QSO many thi
season w/ new SSB/AM/CW rig!!-----GSPG/GUS continues VFB rpts Dec 16&23(MissedBULL
16th fair 23rd nws SEP30best sez GM3KLA hrd W1BB Shetland Isl DEC23/0625/449-also
VP8CQ/G3FPG qso Dec3 Tnx GUS-----PZ1AH???? on JAN7 came on briefly QSO'd several
Ws inc 2CHH,LPPN&Others-1962/Jan - has anyone rec'd CSL?? Far as we know no one has
must conclude "PHONEY"/advise W1BB-----Welcome back to CLIFFE/W1PPN who got his
"super-super" receiving antenna back up and already knocking off the Dx w/DL1FF,
G3PQAwkd-G3ERN,AIC/a,NBR,6BQ hrd-Cliffe must hv tt "Shangri-La" QTH, he hears 'em
when most others cant!!-----ROLF RASP/PYswl:Dec29-VP8CQ,HR3HH,2FYT579,3GOF559,G3BV4
459,VP8CQ369,1BB579,1ME569,VE3AGX579--DEC31:QVXO349,VE3AGX459,No EU sigs-VFB List!!
W3GOF/Dick has come up 20 or 21 Countries in last year!! Nw wk'd 26-22Cfd-also an
outstanding list of repeat QSOs since 9/62!! sez"Thoroughly Concur that absorption
on the N. Atlantic path was greatly increased by the Nuclear Tests during OCT"!Tnx
Dick/CONGRATS vfb DKing!!-----Gswl/K.Simpson DEC16-W1BB559-----GARY/KIKSH 160 meter
DKer in USAF Albany Ga trying special permission 160 but doesnt look gud-has Mars
Van AN/GRC/26A at disposal w/75A4&1KW on all other bands-building equip fr 160Dx
after AF duty-FB Gary!!-----MORE ON W/VXO/G3PU QSO DEC16-G3PU/Ern"I hv oali wk'd ONE
W before--W0NW/1953--hrd QVXO/9GJT,SDN FEB26-G3PU Dx Score WAC-41Countries-19Stat
last VP8CQ&HCLDC-ant 265' NW/SE End Fed 70' High-Rx ancient Marconi CR100-----
Gawl/Guest DEC30:W1BB,PPN,ME,TK,WY,VELZZ,3AGX"Temp freezing/kills me getting up 5AM
WBJIN/JIM hrd DL1FF Dec30/SS,HR3HH/S6-----Gswl/Iball:DEC30-1BB,PPN,ME-----K4KSY/4
New QTH 1st Presbyterian Church, Kershaw S.C. will be on sn!!-----G3ICW/Mike;DEC2-
2EJS-DEC30VELZZ,K8HBR/2,1TX,1ME,VE3AGX-vfb!!-----G3OOT/Dick"Wkd Peter/VP8CQ DEC23
for S.A. WAC Contact-nw only need Z13RB or VK-my activity 99.9% 160 - when W/Ve not
coming thru/Southern Dx best (VP8CQ)then-using 268' IW Ant-----Z13RB/Mick"Bn in poor
health-high bloor press-lost interest 160-better nw-much poorer 160 Cdx than I ever
remember-both local&Dx-however logged W1BB 11/25 0724z-W8HGW559 - wl try step up
activity" Tnx Mick-sri/health-best wishes fm all 160m gang-we need your famous 160
Dx sig on always!!!-----HR3HH/HAL doing FB Job wkg W/Ves fm new QTH & Soundproof/
air/conditioned shack-(~~XXXXXXXXXXXXXXXXXXXX~~) has SWLs fm G-OK-SM339/449-Made 1st
SSB/HR/W QSO w/W/IFH-VFB Hal!!-----W9PNE/CONGRATULATIONS VR30449QSO-Jan19/0744!!!
Country No.36!!! FB Brice!!-----ZE8JJ/Wells sez Tnx to encouragement fm W2EJS,W1RAN
W1BB he is more anxious than ever to get going on 160-and will real soon!! This wl
put new Country on 160 DX Map!! Tx & Ant trouble nw most solved-gang appreciates,
Wells O.M.!!-----OKswl-1-879 Dec16-1BB,VELZZ-Julda is listening for W/VEs quite reg
K6DCF/Tony nw in Seattle Wash-hopes tap 160 fm /W7 soon!!-----Wa6GJW/Jim w/dipole
80' high-200w-NC300-hopes be regularly on 160 soon FB!!-----OKswl-1-21234 Jozef
rpts W1BB239,VELZZ349,VP8CQ229,W2FYT259,W1BU339,W1ME249 all Jan20 - Tnx Vy Jozef!!
VP8CQ/Peter Signey Islands South Orkneys sure put this spot on the 160 Dx Map with
a terrific signal into W/land uses CR100 Rx - has added new country for quite a
few and provided much excitement!!! Photo Page 291/292 RSCB DEC62-----GM2EUD/Dave
Co/TEST"Just couldnt get my sigs out"!!! Sri Dave/Tnx Trying!! bona -----G2DCG/Ern
hd heart attack Dec18 0315z-3wks hospital-home nw-rig upstairs-cant use-Rx nw
dwstairs logged FB list Jan16-recovering nicely-SorryErnest-Cheerio/Luck/73deAll.
HCLDC/Co/TEST 59Contacts/Mult25/pts570/score 14250"Suprised at hw early W sigs Hrd"
G3ICW/Mike Almost QSO'd W6KIP0803/Jan27 Hrd K1P229 - Mike Hrd W7ZZW569/0800!!! Long
skip-eh/what???Mike wl b on 1826.4 EVERY SUNDAY0500/0830z he suggests WEST stns use
1997Kc and wl be looking for W8,9,6,7.5, especially!!! Ws please TAKE NOTICE!!!
That's it for THIS Bulletin fellows - HAPPY DXing on 160 and 73 de Stew/W1BB

FEB 6 - 1963

FLASH!!!!

de W1BB

2/6/63

A "HOT" apparently well founded "Rumor", coming to W1BB, 2/6/63, via W2IU/Sam, has it that the long expected FCC ruling on ARRL's petition for More privileges on 160 is to be released about the 13th of February, and to be effective April 1st 3AM EST 0800GMT. Many favorable aspects are expected although not all that was wanted. About 4 pages of fairly complicated rules, will make it possible for all U.S.A. STATES, including Alaska, Puerto Rico, Virgin Islands, to operate on 160. It is believed the same 25Kc segments as we now have will be used throughout. With East Coast and West Coast using the same as now and some Central States being allowed to use all 4 of them. Several of the "Sensitive" areas, as to Loran QRM, such as Puerto Rico, may be restricted to 25 Watts. Also rumored that SSB may be banned entirely from 160 because of "Peak Power" situation.

WQ4IN has license to operate 160 1.8-2.0 and expected on shortly
Tx K2UYK/W1EMG

How

MAR 11 1963

73!
To
Perry
Junc
de
Stew

W1BB
STEWART S. PERRY,
36 Pleasant Street
Winthrop, Mass.

MARCH 10 1963

W1BB - 160 METER DX - BULLETIN

1962/1963 No. 4

de W1BB/General Remarks -----Well!!! The Season is getting on and reports are now dropping off fast as Spring approaches - soon QRN and Summer activities will QRX most Dx efforts until the 1963/1964 season starts in the fall -- although, there will no doubt be some Summer Dx as usual - and ZLs and VKs should peak during March and April around 1000-1200z on 1875-1900k. We all look back on a VFB season with lots of exciting Dx and many new firsts!!!! (See herein). From now on W1BB will be quite QRL with outdoor activities until Fall - and will report only unusual happenings to the Magazines. A word of Thanks and appreciation to all who have helped with ~~reposts~~ to this BULLETIN - we are sorry we could not print everything, but tried to leave nothing important out. A special word of Commendation to the SWLs whose efforts and reports have been of help and interest to all. Also our CONGRATULATIONS to all those who have chalked up new records and FIRSTS on 160!!! We are all happy with the new Fys on 160, and appreciate good work of 160 Meter Herbert Hoover Jr. W6ZH, whose efforts as ARRL President and fellow HAM with 160 meter interest made this possible/. 160 is still the GRAND band of them all, with plenty of new thrills and excitement in store for the future!!! Watch ZS land - the boys are getting active there on 160 too!!! To repeat BULLETIN "Policy" - copies will be mailed to any ACTIVE 160 meter DXer who keeps supply of large S.A.S.E. on hand here, or who reports regularly to W1BB on 160 activities. There will probably be one or two BULLS between now and fall/new season '63/'64 - which incidentally, with lowest SUNSPOT activity expected, should be the best yet - we hope!!! SOOOOOO best wishes and HAPPY 160 DXing to all de Stew/W1BB and b.c.n.u. 160 occasionally!!! We'll have an ear tuned towards the band quite regularly - and report REGULARLY to the radio magazines any important happenings!!! Keep me posted!!! Tax!!!

W1BB/Summary LOG of 160 Meter Dx Activities!!!

FEB 3 - 5th ANNUAL TRANSATLANTIC DX TEST ---- Quite a let-down fm 1st wk 20
superb Cdx fr CQ/CW TEST - however was fair. Long skip in but QSOs bothered w/high
QRN & fewer participants after 1st wk "Binge": (W/Ve): LBB:HC1DC, VP5XG, G3PU, PQA,
G6GM, DL1FF --- LBU:G3PQA, PU, HC1DC --- 3GQF:HC1DC, G3PU, DL1FF (EAST): Gswl/Quest "Cdx
de dely poor LBB339, HC1DC449-antiolimax after CQ/Test Dx" ---- G3IGW: LBB, BU, HC1DC
Mins was VP5XG's 1st Transatlantic QSO!!! --- Gswl/Smith: LBB229, HC1DC349 --- OY7ML/
LBU hrd "Quite poor Condx" --- G3PU: LBB, BU, HC1DC, "Cdx poor" --- G8JR: HC1DC569!! ---
GM3KLA/Bill: 2IU, 8HCR: (SOUTH): HC1DC/Don (W3HIS) fine performance peaking 579, QSOing
G3PU, PQA, 6BQ, VP5XG, LBB, 3GQF, BOT, & DL1FF!!! "This did not look like start of HISTORY
making nite, but it was!! QSO'd DL1FF Plus 3 Gs!! It is quite struggle making it up
the Mt'n to stn fr these sessions - wl do best get couple more this season" Don -
the gang appreciates your efforts which hv so successfully put Ecuador on the 160
meter DX map!! Tnx mucho!!! --- VP5CZ/Eric hrd thru high ORN G3PQA, PU, HC1DC, LBB,
3BUR, 8GDO, VP5XG, -Tnx!! (WEST) No West coast stns hrd on east coast. (OTHERS/ON)
WITX, BRQ, 2EQS, KHT, KSHBR/2, 8LOF, 9MTE, VE3BWY--G3QJT, PSB, GRL, 6BQ, LU3EX, PA, PPN, OH3NY.

FEB 10 - Cdx perked up few mins arnd 0500-0530 then became intermittant for rest
of evening with Eu/Dx breaking thru now and then - QRN high - most stns QRT early
no Dx to S-W-N - Mid-West stns weak (W/VE) W1BB: DL1FF, G3QQT, 6BQ, 3OZF, PQA, SP3RH. ---
AOII: Sands nice rpt Ws hrd/real psed tt Fla on 160 - Wl hv TX sn -Tnx Don -FB LUCK!
--- G3IP/Alex: "Raining-pwr leaks-ND!! Testing Wa6JFQ's LOOP ant-not quite so gud as
outside ant --- W3GQF: HK7ZT, G3RSR, LIQ/A, 6BQ, DL1FF. (EAST) Gswl/Quest: LBB449-vy pr
Cdx --- Gswl/Smith: "Nil-Hrd" --- Gswl/Iball: LBB only "I think W/VE boys shud take off
their hats to Gland Ops both SWL/Amateurs fr lvg their warm beds in wee small hours
to pursue their hobby-most HAMS hr do not hv luxury of Central Heating Systems - as
one Gswl sed "Getting up in the Cold KILLS me"- aye, me too!! Says Bob one of our
most faithful and long time SWLers - WE AGREE and hats ARE off to you intrepid
Chaps w/appreciation and Tnx!!! --- G3PU: "Hrd Nothing" --- G3IGW: LBB, BU, WY, 2GGL, IU,
3GQF, 8HRV all weak --- G8JR: LPPN, WY, 2IU, UWD "Cld by K2KQT559, lost him QRM!!" Sri! ---
G3IGW/Mike: LBB, WY, BU, 2IU, GGL, 3GQF, 8HRV (OTHERS/ON) 1BHQ, 2GQL, YWO, 3BUR, AJS, MBF, 4OSQ
VXU, UT --G3OIL, RJI, OZF, SP3RH, HB9EO, HK7ZT,

FEB 17 1/2 6th ANNUAL TRANSATLANTIC DX TEST ----Unfortunately, this our last TEST
was not very good - Eu path opened up briefly/few mins/after that participants went
for Western contacts with W6, 7, 8, which were fair. (W/Ve) W1BB: HB9CM, G3OQT, (?),
HC1DC --- 3GQF: HC1DC (Bu) HB9CM/Philo Gander, original QRP stn on 160, with FB
record past yrs 160 accomplishments, fm his SWISS Chalet in Mts took part in TESTS
agn - sure Nice!!! His sig wk8 BB 119/229/339 on sked, in fr 10 mins - may be on
regularly nexy season!! Quite trip to Chalet fr weekend tests!! --- VP5CZ: High QRN-
Hrd 70 Ws fm all Dist. plus G3PU, PQA, 6BQ, GW5JI, DL1FF, HC1DC, HK7ZT, VP7NY, VP5XG, VE2UC,
VE3AGX "Myself cannot Tx on 160 yet a while. VP5 bands 1875-1900, 1900-1925, 1975-2000
150w/day-50w/Night" Tnx vy Eric!! --- G3PU: LBB339 "Hpe cdx pick up sn - hve very 1/2
wve waiting to go up on balloon when Wx permits - shd be interesting -also new Rx
KW77 - happy tt Pyswl/Rolf hrd me" TF balloon shd be FB Ern - we're waiting!! Luck
on WAS FB ur 23 thus far --- G3IGW: LBB --- G2DCG/Ernest, successfully recovering fm
Heart Attack - hrd no Ws -did hr CT1CO --- G3PQA: VP7NY --- G3OLI: HC1DC --- G3OQT: VP7NY
G16TK: LBB329 --- G8JR: LBB, CT1CO --- GM3KLA: LBB -- Gswl/Iball: LBB -- G3IGW: LBB
(SOUTH) Pyswl/Rolf Rasp: HC1DC, "Cdx vy bad" -- HC1DC/Don: 16th&17th LBB, TX, 2FYT,
3GQF, GRF, EKE, 6YY, 8GDO, HRV, KSHBR/2, 4GBV, two of which BB & YY were QWA contacts.
WE/all shd appreciate the long trip up the Mt. & Back Don has to make to get stn on
air and gv so many DXers a new Country - that's real dedication to DX - Tnx Don!!!
(OTHERS/ON) 1BHQ, PPN, 2YWO, KHT, FYT, k2GAL, 3AJS, IWS, BUR, 4GCB, k5ALU, 7UFB, B5P, k7OXP,
8BVJ, 9AHI, 8KH, WQB, K9WTS, 4AIH, SDN, SRV, VE3DU, ABG -- G3RSR, RJI, LIQ/a, MYI, GRL, GW8PG.

FEB 24 - Well!!! ARRL DX TEST Condx werent as good as fr CQ/WW/160/CW/DX/TEST -
but they were GOOD and fine TRANSATLANTIC Contacts were made. HIGHLIGHT!!! of the
ev'ing was CT1CO/Manuel who gave quite few Ws a NEW COUNTRY!! W/Ve W1BB: EI9J,
G3PQA, QJT, IGN, 6BQ, 5ZT, CT1CO, GM3KLA -- W3GQF: (Nice string!) G3PQA, EI9J, DL1FF, G5ZT,
G3ERN, G6BQ, G3OQT, CT1CO, VP5XG, KP4AXU, YV5AGD --- Wa6GJW/K6PJV/Wa6IGJ/Wa6IJH operated
Club Stn W6JTB --started w/helium baloon 275' up - VFB until it got loose!! Used
Ranger II/75A4 "Lousy Score 8000, 95 Counties, 27 states due to loss of baloon &
high noise level 0 but we had FUN!!" Eu Gswl/Smith: LBB, PPN, TX, ME, WY, 2IU, GGL,
FYT, UWD, 3GRF, GQF, KP4AQY, KP4AXU, VP5XG --- GM3KLA/Bill: LBB, CT1CO, ME-has Vee beam
1030' each leg-20' high but mat take fm W6JTB

G3IGW/Mike:1WY,2FYT,WDW,3MSK,4DOS,VE1ZZ - was hrd by ZL3RB Feb 23 329 by Mick!!! 3.
SOUTH YV5AGD put on a fine show WSOing many W/Ves ---KP4AXU/Ed was
very busy!!! ---KP4AQY using vertical & wve BC ant put in fabulous sig!!! OTHERS/CW
G3RBP,GRL,GRF,5ZM, --- K1DIR,W2EQS,Wa2KWH,3MSK,K5WCS,Wa8CPT,8GDQ,9PJK,YWO,X9WTS,8BCK

R 3 - Cdx fair to East G3PU star of the morning - putting in VFB consistent
signal for 2 Hrs!!! 339/559 - quite a few G QSOs. (W/Ve) W8GDQ:KP4AXU,8BCK,W6KIP,
VE7AKI,K7DEK/7---W9PNE/Brice:KP4AXU,G3PU,VP5CN Dx been curtailed this season because
of cold in the shack!!! (E) G3IGW: 2KHT,4DOS,1BU,BB,2FYT,3GQF,K8HBR/2 - Fb Mike.
(OTHERS/CW) W1BHQ,2GGL,KHT,8WD,Wa4BYR,K4LFW,6KIP,8IQQ,HRV,VE2AYY --G3PQA,OLI,OIT,
G6BQ,OH3NY,DL1FF. (As you can see - reports are dropping off fast now!!!)

SOUTH AFRICA ON 160!!!! Thanks to South African Radio League, Mike/ZS2FM, and
"Radio ZS" magazine, Reno Faber/ZS60F & Syd Kuttner, things are moving on 160!!!!
"RADIO ZS"/Jan '63 is largely devoted to 160 - Tnx!! and Occupancy increasing. Mike/
ZS2FM writes lengthy enthusiastic letter!! He and Pieter VanNiekkerk,ZS20Q, erected
250' dblt, one end atop 80' drive-in theater screen, 4 1/2 miles fm town/quiet QTH w/
low rig on 1987 Transatlantic Test FEB 17 w/rig in back seat of car-Bendix Rx -
Alas!! not a sig at 0000z. At 0300z faint bleeps thru QRN --at 0345/sunrise,cluster
of unreadable CW sigs 1802,1827,1998 --at 0404 parts of call signs readable,
1998k - then W1B???? near 1802 Kes - then suddenly much stronger CW signal 1997
sig CQ - then W6YY peaker roaring out of speaker at 459!!!! VFB signal!!! Called
and Called but N.D. - band packed up rapidly & at 0500 was FLAT - put up gear/went
home" - CONGRATULATIONS!!! Mike & Pieter!!! An Exceptionally fine beginning we all
say!!! Keep up the good work and tnx fm all the 160 gang!! b.c.n.u. for QSO Next!!

"SILENT KEY" Matthew Eskadl/G2SU --- We are all saddened by the passing of our
friend Matt Eskdale - a real O.T. at 72. He had been active on 160 for many years
altho not DXing much these latter yrs. He will be remembered for his many kindnesses
to his many friends, which W1BB for one will testify!! His kind friends in G/land
stood staunchly byhim always, particularly his last days. G3OMM/Mary (A real
Ham - Cxyl - Climbs masts 60' high when necessary!!!), G3MDW/Arthur, David Howell,
Norman Pride and many others!! He will be greatly missed!!

KP4AQY/Ramon Gandia FABULOUS SET-UP!!!!---Eng @ WKVM 810kc 25Kw has a most TERRIFYING
signal using 229' BC ant Tower, top loaded, with 120 --305' Radials, plus 2500Sgft
ground screen! Viking I Tx & 75A4 - load coil to Ant. His 160 sig sounded like the
full 25KW!!! What an antenna!!! "Fly in the Ointment however" -- Ramon can only
operate 0515-1030 Sundays. Would appreciate skeds for Oceania, Asia, Africa,Europe,
to make his WAC (QTH 754 Jose Marti,PDA12, S.J. - P.R.) 17yrs old - "EXTRA" Class
Lic. VFB Ramon and luok with tt WAC!!! Load that ant often as possible!!!

MISCELLANEOUS TOP BAND NEWS ITEMS!!! ----K1KSH/4.Gary and KP4AXU/Eddie, both asked
FCC for special permits on 160 - turned down- before band opening,-now all happy.
Hrd many Ws W/GBV outstanding, W1BU Loudest!! -----W1WY/John:13 Dx QSOs JAN6-CQTEST
Score 11,952!!-----W2EJS/Chas:207QSOs/43 Mult --"Contest Dx best many yrs - 1825-1830
absolutely jammed - Ant sagged with ice to 15' of grnd!!"-----G3OIT/Keith Ant also
sagged during TEST 10' fm Gnd - hrd lots but wkd only 2 - Sri!!! -----W9PNE/Brice
CQ/TEST "Conditions-WCW!!!" logged 250 stns/wkd 160 & 13 Countries-G16TK my No.
88 Congrats!!!-----W4CII/Fla.CQ/TEST "Hrd plenty this weekend using pint sized
rhombic on roof" FB Don!!-----W7ZZW/Mark:CQ/TEST 77QSOs/27States/2Prov-Ant200'200w
75A2 didnt hr ani DX but others sig-W1SH "Low" band boys would listen CHORUS High
more!!-----LU3EX/Alfredo learned abt CQ/TEST,whipped up rig/wkdVP8CQ-hrdHC1DC-Nw
looking for Ws 30w 1/4wve ant - wl hev better Ant & Tx soon - VFB!! b.c.n.u. 160!
VP5XG/Peter Windel been putting on real FB show using G8KW Dbilt Ant, Vanguard Tx, C
SOing many Ws also HC1DC,VP7NY,Others wkd G3IGW a FIRST VP/G Accomplishment!!!----
VP5/swl E Devereux Ex G3ECZ, Box 138 Kingston hearing many Ws VFB!!!-----G8QB/
Tom, DX Editor SWM, says magazine wk takes away from actual DXing - Sorry Tom -
W01DX/Horace nw has 550' IW on 70' Mast fr 160 -Wkd 26 Stns CQ/Test - FB Horace!!-
W5IPT/Herb Johnson-Tulsa-Okla"Thought 160 an abandoned band - Listened occasionally
but ND - one day!! hrd weak sig - built GLG Tx pronto- occasional success but an
onesome most of the time - nw using BC669Tx/BC348Rx w/23' Loaded Vert Whip-co/181'
1822 - CQ/Test operated All night/Two Nights - Man!! were they long!! W5QPT came
over - kept coffee flowing - Glad to give few stns a new state -" Tnx Herb VFB!!

Per KP4AXU/Ed-sez, ZL3RB w/ be on Sunday Mornings 1875-1900 --Mick/ZL3RB
 sez "CQ/Test" only fair hr QSO'd 6KIP,ZL2DK,3OX,4LZ Hrd VR30579-he wasnt making
 many QSOs so maybe QRN or RX tble-Tax Mick - glad ur feeling better & Back on 180-
 Mick QSO'd EI9J 7 1/2 yrs ago OCT 1800-1830z,1955k w/ Battery Genemotor fr HV!!! ----
 Q3TGW "Hrd 6KIP during CQ/Test - no QSO - Too Bad!! ----G16TK wkd 28 W/Ve CQ/Test
 w/ Low Viceroy Tx, 1/2 wve diploe NW/SE 80" High -uk-GM3KLA/Bill Sinclair, on every
 Sunday Shetland Islands, Most Northern point/ENGLAND - was coached by mail on lic.
 Exam by G8PG/Gus who met him in Army Reserves - took 12 Mile boat trip, fishing
 boat, for exam/passed/became first Ham this most Northern point of U.K. -hrs W1BB
 often ----W2UKS/Bill "Hvnt hrd mach Dx lately - hve Hammarlund HC10 Converter fr sa
 Clean - \$65.00----VR30/Martin was QRT few weeks minor surgery @ Hawaii - nw back -
 W6KIP/Alex trying get KL7 on 160-also keeping skeds w/G3OQT ----W2EIN/KUESP/Brad,
 anxious get bk on 160-buying NC10Lx-VFB!! ----DL1FF/Armin fine performance CQ/Test-
 best Dx W/VXO ---- G3PQA/John VTB rec'd this season-QSO'd UB5WF,UO5AA,7A7CJ,OH3NY,
 HB9EO,PA/PN ---- HC1DC579/G3PQA349!!! W/NWX,W/VXO - Feb 1 QSO'd 16 Ws!! Says PA/PN
 a Good New Stn and ZBLEX expected on w/ L.W. - 5B4PB weak stn - trying contact 6KIP
 on 1975-2000 after 0630 - will be peed make skeds and DX any time -write him - Fb
 John & Tax ----INTERESTING TAPE available from G3OQT - anyone wishing BORROW it
 write W1BB ----W5IPT/Herb"I am astonished amt dx taking place- hv vert ant,can hr
 160 in OKLA nw - would like an "Over the Pole" QSO with G or DL-Dx like tt totally
 absent hr - hrd HR3HH 589 - LORAN bad - G3RJI hrd W6KIP 569 0710, Feb 5&6" Tnx Herb
 Luck w/tt over the Pole QSO!!! ----W4GCB/Bob newcomer to 160"The TOP BAND KAYE Bug
 hit hard-busy building/testing antennas-w/ try top loaded vert-35w" Tnx Bob ben.u
 on 160 ---- K7HDB/Dick still busy trying solve NOISE (Bah!!!) problem - up to
 his neck in WHALING nw ----Congratulations W4GCB/Bob QSO w/G3ERN FEB20 for his
 FIRST crossing!!! ----DL1FF/Armin 20880 points CQ/TEST!!! ----W2IU/Sam Understand
 made WAC/160 by QSO'ing certain N. African Stn - Congratulations Sam!!! This is the
 3rd W WAC -W1BB/1953,W8GDQ/1961,W2IU/1963 - Whose next??? ----PY/SWLRASP hrd
 1BB559,FPN349,VE7AKI alsoG Feb21 ----W3IWS/Len"Wkd YV5ANT,VE7AKI,Hrd G - Gradually
 building better Ant System - Goal Hr "WAS" - Luck/Len!! ----CONGRATULATIONS W2EJS
 NW 39 Countries by CT1CO QSO Feb 24 ----W3GOF/Dick"Kp4AXU recalled to me exact
 moment allowed open band FEB21-YV5ANT&CT1CO both also indicate 3GOF their first 160
 QSOs-KP4AXU,VR30,CT1CO my Nr 28,29,30 Counrries!!!" Fb Dick ----Also sez "EP2BK(E
 nw VS1LP,Bob and Lorna Snyder sebd their best from Singapore, Dick and Alex/6KIP w/
 on possibilities top band Dx ----K1KSH/4-Gary, QTH CMR Box 244, Turner AFB, Albany
 Ga "All Dx stations should QX 1875-1925L, 1975-2000K as well as 1800-1825 for W/Ve
 QSOs RIGHT Gary!! Dx Stations Pse Note!! Many nice W/Ve QSOs are missed for not
 covering these Fys "Most Dx w/ hv QRX'd 63/64 - summer comes quick hr & high QRN
 level with it"!!! ----K5AIU/Red Nw has 888" Vee beam on S.A./Hrd LU3EX - wky YV5AN
 Feb23,569-"Rig went up in puff smoke during TEST" - rec'd PY/SWL Crd also. --K9GSD
 Jeff expected on 160 shortly w/Viking I!! ---G3JR/Peter wkd 6KIP579 Jan26-VFB!!
 W4DQS/Dale "Opened band 2/KP4,VP9,VP5XG,DL1FF,3/W6s-HK7ZT-VP9-XE2OK using Ranger w/
 75A4-"GRAND Opening" w/ hv learn 160 techniques"!!----G3MDW/Arthur"Broke Arm early
 season curtailing 160Dx-then ant came down - real hard winter" Sorry Art-bomu63/64
 W6KIP/Alex rpts KL7AKC w/DX100&400'ant -, & KL7AUV 160 possibilities - Tnx Alex!! -
 W9QUV,1805 hrd "Wkg"????? KA2EB "Ehet/Tokyo" MAR-1 "Using 25w-rhombic ant" - Note,
 this is 2PM Local time Tokyo!!????? ----RADIO CLUB OF QUEBEC VE2AFC interested 160
 nw-VFB! --W1AVY/Geo"Tx 160 Bull-reminds me of my old HT9& End fed ZEPP on 160!!"
 Geo been ill since 1957/in CAL winters ----OK1879/SWL/Julda QRL w/B hool/Exams/rp
 OK1AFC,CJ active also club stn OK1KUR-Tnx CM!! ---G3OQT/Dick "Your new fy allocati
 1000% better then present Fys 1903/1908 best spot of all-those dead clear hr--1800
 1825 absolutely crammed w/yelling Overmodulating Ey Coast Stations"!!! ----K5CNE/
 "Doc" and K5JEX w/ be on 160 sn!! ----LU3EX/Alfredo Marlo QSO'd VP8GQ - 2nd time -
 will be found on 160 SUNDAY MORNINGS w/ 50 Watts - 1/4 Wve Marconi - HRO -VFO - bu
 often 1800-1810 Kes thereabouts. Had Sked W6KIP Feb26 - hrd KIP 559 at 0502Z-NoQsc

d. W5SOT/Chas - From MISSILES AND ROCKETS Magazine Feb 1963 writing on the "UPPER
 ATMOSPHERE" - they say it may be significantly affected by the exhaust products of
 large rockets - may change weather because exhaust products from next generation
 of Rockets may be same quantity as existing minor constituents in upper levels -
 ozone for instance - and Nitrogen which is responsible for ionospheric D Region
 condition - all this fits Chas's thoughts on Wx and DX as mentioned previous BULL.
 BE SURE TO SEE NEXT PAGE No. 5 FOR "HIGHLIGHTS" 73-all/Stew

(A brief RESUME of OUTSTANDING events on 160 From W1BB 160 Meter Dx Bulletin)

OPENING OF THE NEW BANDS!! On FEB 21 was an exciting time, with all 160 HAMS Gen'lly we pleased and satisfied and appreciative of ARRL and FCC and others efforts. W3W/F/Dick and KP4AXU opened up KP4 on 1898 at 0401Z while K1KSH/4 Gary, ardent DXer opened up Georgia territory w/W1BB at 0501Z. Many QSOs followed all over the USA, too numerous to mention under good condx and FB signals. Tears were shed over loss of SSB, by some - in general however all felt other advantages exceeded the loss. NOW!! WAS can be made!! Who will be the first?? W4GCB/Bob "Thoroughly enjoying first weeks of exposure TOP band, QSO'd G3PQA, G3ERN!!" Andy/W4IYT - "K4FMA & I on bright & shiney - K4FMA wkd arnd clock/2 days/20 states/all areas except 7 - wkd 1st 9 since before war - TTs long time - sure good to be back!!!" -many similar remarks fm gang.

FIRSTS!!! FIRSTS !!! FIRSTS !!! With 160 opening up, this had been a period of quite a few new FIRSTS of which we list the following known ones to date

FIRST!!! HC1DC/DL1FF QSO Feb3 0652Z. Congratulations to Don (W3EIS) & ARMIN!!!!

FIRST!!! VR30, Martin/EAST COAST QSO!!! Fm Christmas Island, Oceania, 1997Kcs with W2IU/Sam 1.8 Feb20 - CONGRATULATIONS Martin & Sam!!! Followed by contacts next day with W1BB and W3QZF, then Feb21 w/ZL3RB/Mick - Then W2UWD and K1KSH/4 Feb28 time 0700-0800z VR30, 1997k. Many tnx due W6KIP Alex who followed Cdx & notified of Martin's return fm Hospital & Resumption 160 activities & QRM'd to help. Martin/VR30 writes "Alex is terrific!! Without his help very little of this would be possible - may I express my appreciation. Also pse tell 160 boys all QSLs handled by VFB yl/QSL/Mgr Marcia QUEST Wa6MAZ, 701 Ash St, Vandenberg AFB, LOPEZ California - VFB/Martin and tnx to you both.

FIRST!!! KM6/W 160 QSO ever, when Alex/W6KIP and KH8EGL/KM6 made a "GO" of it CONGRATULATIONS and VFB to you both!!

FIRST!!! Another FIRST is recorded with receipt by W1BB of QSL for Q30 with OY7ML Nov25, 1962. OY7ML/339 W1BB/339 --OY7ML Now in Denmark, Back 1963, 1964 season next fall and hopes to again get special perm. on then.

FIRST!!! W6-GI QSO ever when GI6TK559 and W6VX0349 made it at 0745GM. Jan27 VFB and Congrats Frank/GI and Herb!!!

FIRST!!!. Still another FIRST to CT1CO/Manuel and Dick/W3QZF who contacted during ARRL/Test Feb24, followed by W1BB, 2IU, FYT, EOS, K1FIR and JWD in that order. Ct1CO also hrd LNK, TX, WY, PPN, 4DQS, K4HJJ - CONGRATULATIONS to Manuel for putting CT on the 160 Meter DX roster with this very splendid performance and also Jan26 wkd 4 Cs - 27th 13Cs, WACM-Feb 1963 GS&GW!!!

A RECORD???? Can anyone beat W3QZF/Dick's record this season (Thus Far) of 43 DX stations in 22 Countries and a total of 85 Dx QSOs ??? (Counting repeat QSOs with Dx Stns)

FIRST!!! (Havent run out of FIRSTS yet!) First VP5/G QSO when G3IGW wkd VP5XG Unfortunately do not have date)

LONG HAUL DXer ZL3RB/Mick says "Lid lifting clean off band on 160 here -0700-0800, Feb20:VR30589 (These are all HEARD reports) K7GCO439, W6KIP459--Feb21, Wa6JFQ339, KP4AXU339, VE7AKI349, W6KIP449--Feb23, G3IGW329, W6UF349, W4KFC589, HC1DC239, W6KIP559, KP4AXU on phone for an hour Q4R5 on 1899!!! "Wore key out here alg but ND!! Very good Mick - keep at it - look for ZL3RB on 1897 Boys 0700-0800. ZL3OX&BC also on.

TRANSATLANTIC 160 METER DX TESTS OVER The regularly Scheduled Transatlantic DX tests are over for the season. The last Two for Frb 3rd and 17th did not enjoy too good conditions there being not more than a few QSOs on the 3rd and only one or two on the 17th. However the FB Condx enjoyed for the CQ/WW/Test and the ARRL/test more than made up for this. Another series will be scheduled next season.

November 3, 1963

PY/swl Rolf

Hope by now you have the CERTIFICATE all OK

Here is all the latest on 160

Thanks for your help

Appreciate

Kind regards to Fred also

HAPPY SWLing

73 de Stew/W1BB

Stew

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop, Mass.

OCTOBER 31 1963

W1BB - 160 METER DX - BULLETIN

1963/1964 No. 1

de W1BB/General Remarks ----- Greetings fellow 160 Meter DXers, and here's to a most HAPPY and SUCCESSFUL 1963/1964 season!!!! This season we are expecting "great doing's", with the Sunspot index at a minimum. and via this BULL, W1BB will endeavor to keep all hands filled in with some of the HIGHLIGHTS - it will be impossible, however, to report on Everything. This publication started out as a small "Scoop" sheet to send to all Radio Magazines, for publicity, information on 160 activities & accomplishments. It is still used for this purpose. Experience has shown however that a relatively small proportion of the information submitted to the MAGS, actual gets published, and therefore it is felt worthwhile to send copies of the BULL to ACTIVE and PARTICIPATING 160 meter DXers. Dx stations who report regularly to W1BB on activities in their area, and to W/VEs who keep on hand at W1BB a supply of long S.A.S.E.s, will receive free copies as issued. There is no regularity to publication - being issued when enough information has accumulated, and W1BB with his many other duties and responsibilities can find the necessary time. (This issue has been delayed a bit due to work involved setting up W1BB/1 DX TEST station located, Courtesy of Winthrop Water Commissioners, and Winthrop Civilian Defense Committee, in the Alt. C-D Control station at "TOWER 160", Winthrop Beach, Boston, Mass., using an INVERTED VEE Doublet with APEX 260 Feet High over Salt Water Ground Plane, at the very edge of the Atlantic Ocean - a relatively quiet location - a brave attempt to beat Boston Electronic Smog Noise level problems). "HOT" News is sent to MAGS by special "FLASH" sheets and/or QST by W1BB, time permitting, Sunday Mornings before DX periods. It cannot be guaranteed that occasional errors or omissions will not creep in - we try hard to eliminate them - corrections where necessary will be made. So much for the BULL. ----- Working Dx on 160 is unusually difficult, challenging & Interesting. It takes perseverance, a special "Know-How", good operating and a "Top-Notch" Station. --There is an unusual thrill of accomplishment in it. -- GOOD LUCK, Best HUNTING, and HAPPY DXing on 160 -- b.c.n.u. there!!! 73 de Stew/W1BB *Stew*

ANNUAL TRANSATLANTIC AND WORLD-WIDE 160 METER DX TESTS *** Reminiscent and symbolic of the original PIONEERING Transatlantic crossings by DeLoy, Schnell, Reinartz, and Godley, 1921, and held every year since 1932, this yearly operating activity will be held on 160 this season on the following SUNDAY Mornings from 0500-0730z, and other appropriate DX times for other than Transatlantic Dx, Dec 1st and 15th -- JAN. 5th and 19th - FEB 2nd and 16th. During these TESTS special efforts will be made by all to ~~establish~~ establish new records on 160. W/Ve stations call CQ DX TEST first 5 mins of hour and then 3rd, 5th periods etc, listening in-between periods. DX will call CQ DX TEST the 2nd, 4th, 6th, 5 Min periods etc - listening in-between. DX QSOs will be held however, regardless of periods. Use all Authorized Fys. W/VES EAST 1800-1825, WEST 1857-1900 -- Eu 1800-1830 Mostly. ZL 1875-1900 - VK 1800-1860 Scan W Bands for DX also. SET CLOCKS ACCURATELY. W/VE Stations send reports for TESTS to WLBW Stewart S. Perry, 36 Pleasant St, Winthrop, Mass USA for logging and reporting. G, GW, GM, GI, GC Etc should send their reports to G6QB, L.H. Thomas, DX Ed SWM 186 Winchelsea road, Hastings, ESSEX, England. Other Dx may send their reports to either, but DO REPORT!!! Working DX on 160 is challenging, and extremely ~~interesting~~ interesting. Conditions such as Static, BC Harmonics, QRM, LORAN, QSB, QRM all require extreme patience, a top-Notch station and operating techniques, and accordingly, there is a real reward in the THRILL of accomplishment in working DX on this band. In addition, you will make many friends among the finest and most sincerely devoted HAMS you would ever care to meet!!! These 160 fellows are AOK!!! b.c.n.u. then!!!!

ARCTIC CIRCLE CRACKED !! by "LAND OF THE MIDNIGHT SUN DX PEDITION" BAFFIN ISLAND VE2UQ/Gorgon (Ex VE3HC, 4A/O, 7HC) week of July 14th using RANGBR. A Total of 4 QSOs First, VE1ZZ/459 0435z 17th -- W2EQS/Chas 349 0445z for FIRST!!! W/Baffin Island - K9YWO 339 0500z - others heard but not identified. On VE2UQs FINAL night, W1BB-339 QSOd several times 0453-0553 from his "Shack" an oversized "BOX" at the base of a vertical tower with ~~type~~ 38F!!! Gordon writes "With great help of Frobisher Bay Mg "RED" VE3LY got ~~g~~ wave up 15th inverted center atop 50' mast-ends nr gnd-stn in rock ~~out~~ ext VESYT - began listening 0400-14th-hrd weak BC stn plus WCC 2036k/was sure ~~that~~ QSO possible!!! ALAS!! however - 160 smeared by tremendous generator noise. On 15th 0430/35z hrd W1BB 349 on CQ TEST - muttered when he failed answer my call. 16th Hrd W3GQF?? - decided search new ant. site -- being old hand at NWT Operations (I used to pound brass & set up stns commercially in NWT & YUKON in 30s) decided borrow abandoned 120' High top loaded by guys, low fy vert ant having 120 radials - Counted 'em- over 200' long - location 300' from saltbChuck - organized AC power service - spent up until 0400z, 17th getting ready then moved into 2x4 tuning Box at base - no heat and COLD!!! Loaded up -tuned Rx -band 200% Better-knew then I was in business!! -Wished I had my own Rx instead of RF Stageless portable. A pencil on the 120' Ver' indicated RF Traces, even in twilight, ~~xxx~~ so with shouts of "HOT/DOC out went first CQ/no ans --0405 W1BB CQ 459/no ans me - ~~then~~ THEN SUCCESS!!! w/ VE1ZZ/Jack my first Baffin I. QSO -, then W2EQS/349 -K9YWO/339 - other sigs hrd but not identified. It would have been real disappointing to leave w/o wkg W1BB so on 16th began chilly vigil 0400-0450 - not a sound hrd but knew band open. Weariness and chill and thought of flying at 1000z had me most ready to pull big Sw - WHEN as if by magic W1BB appeared at 0453z and AT THIS TIME HEARD ME!!! - same cdx as U long slow fadeouts, then back in - read BB 60%. Weary but pleased hit hay at 0630. Final fadeout 0553. Due to band folding hr, all signals, WCC etc were on way out as "sunrise" most at hand - sun shining on me as I trudged the bitter cold mile from the little BLACK BOX back to my Quarters. I feel as you do Stew, that being in a continuous twilight fringe played a major part. This is confirmed by the fact that we both noticed a signal buildup at sunrise time. The DxPediton for my part would have been a success even had I not had any QSOs since I had the listening experience, but more important, after my visit and "160 pep talks" the boys at VESYT promised to get on 160 this winter"!!! -----Additionally Gordon ran another "160 DxPediton" to P.E.I. stopping at Motels, erecting center fed dshublet 15' to 30' high, making history by QSOing G3UOV at 0130Z twice on Jul 24-25 also the following -- VE1ZZ, W2FYT, W3AJS, VE3DU, W1DMD, W2HUG, W8CI, K8HBR, W2UWD, VE2ATU, K1UGM, W1EFN!!! Says MORE DxPeditons next summer!! During this time VE1ZZ also QSO'd G3UOV for FIRST season TRANSATLANTIC CROSSING --- Incidentally W3EWR arrived at BAFFIN ISLAND just in time to pake photo of VE2UQ and VE3LY Dismantling Stn. Photo possibly in MAGS.

"15 ON TOP" AWARD --- The COTSWOLD RADIO CONTEST CLUB, 250 Gloucester Road, Cheltenham Road, Glos. England, % Kieth Walden, G50LN, are issuing this new AWARD. The purpose of which is to encourage ALL stations on 160 to try for DX. To qualify for this AWARD, it is necessary to contact 15 Countries using only 160 Meters since January 1st 1960. The Choice of 15 Countries is so the AWARD will be reasonable difficult to obtain, yet within the reach of any operator prepared to spend the time and patience. For a "Q" it would mean he has to cover at least 1800 miles to get this AWARD. Applicants should send a LOG COPY of the relevant contacts, with a statement signed by a representative of the applicants National Radio Society, RSGB, ARRL, DARC, etc. STICKERS will be issued for each additional 5 Countries and an honor roll published quarterly. The fee is 2/-6d, 3 IRCs, 50¢ or equivalent. LUCK!

CONGRATULATIONS ZS2FM/Mike - East London, S. Africa, who does the unusual on 160 by erecting dipole from top of outdoor movie screen to high pole, out in the country away from the City's noise and operating portable from back seat his car during 160 Dx periods - He is also working conjunction RHODES UNIVERSITY using this spot for his successful 18 & 22 Mc, (See NATURE MAG. VOL 197 No. 4866 Feb 22 1963 full story EMISSION RECORDINGS from planet JUPITER, from Midnight to Sunrise daily, using a broadside array and incidentally not getting much sleep. He made TWO contacts with W1BB during a series of summer 160 TESTS. The First, 21JUL63 0455Z 119/439-W1BB339/459 - Second, 18AUG63 0445z. He heard W1BB many times before successful contact, with his super-sensitive receiving technique. Mike is looking for any and all DX on 160. Much CREDIT to Mike for getting 160 perking in S. Africa - Editing FEEDBACK Mag. The first ZS Amateur to successfully build equipment for 10,000 Mc Band and establish 2 way QSO - Mike is real active and persevering 1.8 Mc-10,000 HAM. W1BB used HQ170 with Hammarlund Noise Blanker which was a real help thru summer CRN. Uses 6V6 final and 75A4 receiver on back seat of car!!!

GM3KLA. Bill Sinolaire - RE "THE NORTH POLE" - per G8PG/Gus, is what he calls his new "130" Vertical Radiator top loaded on 160 with FB Radial Ground System, the construction of which is a real SAGA - built entirely himself, and erected, with help only of 14 yr old boy occasionally, contains 3500' of G.I. Guy wire, Hundreds of insulators, designed for 90 MPH winds, weights over 700 lbs, 100 Yards Coax feeder. Located only 170 Miles from Norway, this will be a rare QSO of interest to all - and should be putting out a real potent signal this season - watch for GM3KLA!!!! And congratulations and best of luck to him, on this fine accomplishment on 160!!!

DL1FF/ARMIN --- Now has special license for Year Round IQSY operation. (DJ2KS & DL1KB also. Armin spoke at DL DXCC Club this summer re 160 - Needs only Oceania for WAC which he just obtained QSOing VK5KO - CONGRATULATIONS!!!! This was also the FIRST VK/Eu QSO ever!!! Additionally Armin worked Chas/FPSAS another FIRST. W1 B Active entire season using VFB full sized ground Plane on 160!!! His signals pack a terrific wallop over here already this season. Armin's theory: I think poor Cdx on 160 due to too weak ionization by night. When sun activity low during days, Ionization drops rapidly during nighttime, especially our path. It often seems Cdx far better btwn 2300-0100z after W sunset when path is dark but ionization is not as low as later in the night. (Means LOW DOWN-NEARER the Earth-ionization).

FIRST!!! 5N2JKO/W1BB-NIGERIA/USA QSO/ever took place September 1, 0407/45, the first morning of a proposed series of schedules. CONGRATULATIONS!!! To Dr. "MIKE", (G3JKO) DRANSFIELD, who also QSO'd DL1FF and GI6TK for two other FIRSTS, using 45 Watts to 6146 w/520° LW N/S. DL1FF was first ever QSO From Nigeria ever made on the 160 Mtr band August 25th 0 GI6TK SEP2 0430-45z. Dr. MIKE will be on with new Inverted VEE regularly this season - watch for him - he's looking for YOU!!!

OUR ROAMING 160 DXer Gary/K1KSH, who rivals "GUS" is now in Port Moresby, New Guinea sitting under two 150' high towers from which he has permission to hang 160 meter antennas, waiting for VK9 authorization, which thru cooperation Ed/VK9AT he expects momentarily - barring unforeseen complications - Band 1840-1860, has Xtal for 1859 Should wk VKs ZLs and will make valiant tries for W/VES --70Watts allowed - has 75A expects operation from other/VK9 QTHs. Wkd W6ML, W1BB Fm/KG6/Guam & BB fm/KG6/Marian

CQ-CW-DX-CONTEST --- Dont forget this, cautions 160 DXer and Contest Ed. C. Frank/WIWI, weekend NOV 23/24 "The boys will be looking for a 160 Multiplier". ALSO!!! Take note of CQ 160 Meter CW Contest JANUARY 25/26 1964!!! This is a MUST!!!

MISCELLANEOUS TOP BAND NEWS ITEMS!!! --- FB IONOSPHERE INFORMATION, as suggested (4)
by Chas/W5SOT, see "Proceedings of IRE" Feb '59 special issue on "The Nature of the
Ionosphere" (W1BB will vouch-it's excellent!!) ● ZS2FM/MIKE all thru summer, ZS wint
has been sparking 160 activity writing participants/Bulletin wk etc building up loc
interest & skedding W1BB Rpts ZE3JO ZS6BCR, LFX, ZU, 5AJ, IS newcomers - FB/Mike-Tnx ●
GC/TOMMY has 2 new 170' ants, used separately or as Vee Beam, possibly inverted V
inc. 500' Counterpoise - sounds real nice Tommy/luck!! Tnx SWM Coverage of 160!! ●
W5SOT/Chas Hrd 1BB Jul28/339 0455-0533z but DX not gud as previous summers. Most sl
300-800 Miles only - believes combination Horiz-Vert ant best. ● K7DEK/7-MAURICE -
some fine summer operating 0815-1000z 1997k SUN AMs fm BC stn KETO Winslow, WASH
after BC shutoff using 180' Tower & Gnd system w/ 120 Radials ea 250' lng & 10 Mi.
clear shout across salt water to E!! Tx/ART13, Rx/BC224. Wkd 1BB/449 21JUL, his 459.
After 28SEP Maury wl still oprte/7 SAT AMs & SUNs 0815 until bnd goes out. Wkd 30
States/8 Countries. Trying interest IU5DDF&UA9BZ in 160. FB Maury/Tnx-keep up gud w
● G2BVN/STEVE rpts 5N2JKO erecting 530' Ant/avtice this season. All 5N2s permissio
1800-2000k-50w, Tnx Steve! ● W6ML/Alex (ExW6KIP) wkd K1KSH/KG6-GUAM 7JUL 1998k 1225z
aftr unsuccessful tries sez "Gary hrd me fm start-thot I cudnt hr him thru noise lvl
bt he kept mkg ant improvements until he shoved sig thru-all credit to GARY fr sum
great wk!!!"-CONGRATS to Both Gary/Alex - Alex also rec'd SWL rpt this summer fm JA
his sigs hrd there last winter - Alex vacationed old stamping ground DEATH VALLEY -
Marble, Cottonwood canyons etc listened 160 ND altho hrd KP4AXU there MAY, lots hiki
Jeeping at old indian camp -rugged but fun!!! ● NUVISTORS as advertized mags to imp
improve sig/noise ratio frnt end rx tried carefully by W6ML/W1BB&Othrs-find no real
improvement on 160 - may be OK HF tho. ● CONGRATULATIONS TO DUFF ARMIN top man in
in G/WW/160/DX/TEST 20,888 pts es G16TK/Frank nkt 17,232 pts. Armin/Frank BOTH wkd
new ants -wl be ACTIVE 1963/64 - VFB!!! ● 160 ON ARTIFICIAL LEG ANTENNA/ZE3JO-MAL
(ExG2SO, 1935/49) on 160 nw w/RANGERII/HRO/10w/264' ant sez "I have "Tin-Leg" & find
it bit difficult play arnd with on ant erection w/e help fm local gang -- Hve Plenty
space 5 acre plot 10Mi NE Salisbury alt 5185' /JTH Ideal-in fact hv hd world-wide
contacts on 14 & 7 Mc using my artificial Tin Leg as ant! It consists of "Peg-Leg"
made up of abt 7 1/2 ft steel, really loads up on all bands 160 to 6 Meters"!! Mal -
Tune 'er up on 1.8 - let 'er go - lets see what U can do for 160/DX - Mal wl be on
reg SUN AMs 0300-0500 - 73 es luck!! ● ROLF RASP/ISWL-PY9247 hrd 1BB 579 28JUL 0430
0530z also VE2U, 469 sug traces, possibly ZS2FM - Tnx Rolf!! ● G3IMV/HUNTER, made
his FIRST Transatlantic Crossing 160 16DEC62 wky 1BB 0725z ● Gswl/SMITH "Hope the
boys wl try 2300z this late fall" ● Gswl/QUEST "VE3BGV/SU just arrived SU w/UNEF,
GAZA Strip wl B on sn as en get 160 rig built" (W1BB Note-recent ltr fm VE3BGV/SU
sez cant get permission-Sri) ● KL7JDO/TONY who put ALASKA on 160 Dx map 1st Season
hopes be DX agn but JTH not settled ● ZL3OX/JACK hrd K7DEK/7, W1TX, WA6LCM APRIL "Abt
wore key out olg K7DEK/7 - nw hv AR88 - looking ab sum old QSTs '38'39 -things were
simpler then eh?? I was first on air SEP37 as ZL3IO ● CONGRATS JULDA OK1KCI Ex OK/
swl recently 160 ticketed hopes activate 1963/64 w/10w - sez special 160 calls OLL
OLLs are "Novice" Hams under 18 yrs/can wk otr OKs but not DX - Tnx/benu Julda!!! ●
G5GRL/JOHN active 1963/64 w/ 75' Gnd Plane & AR88 fixed up FB w/xtal filter/Q mult
etc - 1828-1830k 2200-0100z ODD weekdays & 0300-0800 SUNs ● VE2ATU/IAN (EXG3AUT) at
ARVIDA QUE expects hit 160 hard 63/64 - 1BBw/xyl Alice/1DQF visited he es xyl AVIDA
Audrey while on SAGUENAY Boat trip 11pm-3.30AM this summer-most enjoyable chat - he
HQ170/Valiant/ Horiz, 133' zepp-mkg new super-noise silencer ● W5PVT/T MAUPIN hps b/ex
160 63/64 ● Gswl/Normn Smith logs 1BB 18AUG 0424-0503 peak559av439 - also 28AUG/S
l Tnx!! ● ZE3JO/"Mal" hrd 1BB 0422 18AUG 369 ● G3PQA/JOHN hopes tour USA "HAM-HOP"
LU3EX/ALFREDO already active 160-Cheerio!!! ● PA3PN/PIET (FOC-DXCC-WAZ) wl b on 160
1825k OCT/on QSO'd Gs already- sez only 15 PAs thus far allowed on 160-most w/poor
ants-special licences required wkd 1BB 5OCT ● K9GSD/JEFF on 1809k Viking I/50w, Kni
K-100rx w/ 1/4 wve Marconi - wl appreciate Hrd Rpts etc fm W/VE-Esp DX ● W8GDC/Willie
(WAC/160!!!) On w/new FB Control Ckt to speed up 160 QSOs ease oprtg etc VFB!!! ●
UNFORTUNATELY !! GHANA 9GLEE/BOB (G3IMH) wl not B on 160-left for homeland 14SEP-sez
S7/S9pkus QRN year/round there a real problem- has hrd Gs but no QSOs even w/Gs 55
Sorry Bob-hope U'll be on 160 somewhere!!! ● FP8AS/CHAS (W2EJS) w/Ranger II, 75A4, 27
Marconi did VFB trick at StPierre - full story not in - bt QSO'd G3GRL & Otr EU pl
W/VEs-plagued by JRN/M - FB Chas ● VE3CWK/NOEL aftr absence fm 160 7 yrs wl return
w/150w, possibly 145' Vert w/120 Radials ea 340' lng-SX100Rx- welcome back/FUN/DX!!
G3OIT/KEITH W1 gve 160 real fling if ddesnt go to College - ant in 80' OAK tree!!!

CONGRATULATIONS ARMIN/DL1FF!!!- on FIRST!!! Ever QSO with NIGERIA on 160 with 5.
5N2JKO Armin's 36th Country 469/589 25AUG 0400z 1828.5k - also 5N2JKO's 1st ever
QSO/160 VFB!! @ K3MBF/DANSON QSO'd VP8GQ this fall w/ 10 Watts!!!! @ W8GDQ/WILLIE
Same as W5SOT/Chas, believes lot relationship between L.F. Sigs & Low Press Wx Area
esp stormy ones - getting Wx maps/wl check-GL Willie/let us know!! @ WLPH/DING OOT/
19 on 600-1000-160 Meters!! Enjoying 160 agn-has FB Foto QSL/1906 RIG!! @ PA/PN/
PIET tumbling out of bed at 0400z crossed first 63/64 time QSOing 1BB 5OCT 0420z
For BB's Nr. 73 Country - so far as is known, this is first W/PA ever 160 QSO??????
Piet expected on regularly 63/64 look fr him @ G3GRL/John sez 5B4RF, 8A Lumumba St,
Famagusta, Cyprus active 160 63/64 - also possibly W4IV - Tnx!! John himself wkg
much DX inc VP8GQ!! @ Z63JO/MAL hrd 1BB 1801.5k369 c/g @ 9OCT 0335z-no QSO at G3OLN
LEITH xpts go college w/QRP 160 rig/4w-LUCK!! @ G3RAU/DEREK's QSO 1BB 1SEP his 1st
ever W-also wkd VP8GQ&5A3CJ!!! @ EGYPT/VE3BGV/SU/BILL rpts 160 not allowed - no
immediate prospects KKKI sri! @ VE2UQ/GORD running 1 man campaign/get all VE Dists
activated - so far VEZZ,3DU,UQ,AGX,4RO,6IE,7AKI participating - watch for 'em-Tnx!
@ W6OUV/BOB(Eimac Employee) vy interested 160 sez "Real tremendous challenge wk DX
160-esp fm city lot-hv 57' loaded vert w/3 tuned radials-hv wkd all W areas plus
YV5,KP4,VR5,HC,KH6,KL7&MnyVEs (W6SAI,KEV,UF Eimac also intr 160)Tnx Bob! @ Ex-
KP4AXU/ED/W8KFY who made big splash opening up KP4 on 160 last winter hopes B on w/
200' wire/quiet CTH. Had bad auto accident this summer/seat belt saved his life--"A
word to the wise--"!! @ ROY/WITX made killing 5OCT wkd G3GRL,OUV,RBP,OLI,GW3JI also
28SEP VP8GQ,4SEP FP8AS - took VFB trip W6 OCT. Conn Wireless ASS'N w/ROY's help hop
mount DxPediton to FS7 w/160 if possible! has new hobby/wine making/visitors shud
B wl psd - wl B active 63/64 - Happy DXing Roy!! @ G3NXV/BOB visiting USA Jan6926 &
during 1st 10 days traveling S to Fla. mkg business calls - would like visit sum
Transatlantic 160/DX hams on way, esp Fla 160 Hams. If you wish/mail Bob invite/sto
@ W8GDQ/Willie 15OCT wk ZL3RB 1876k 339 1040-1115z!!! @ G3RWL/EL4AP/DICK look for
him 160 @ WITX/ROY wkd ZL3OX 12OCT sez 3OX also wk G3PQA 20OCT CONGRATS!! @ WLBB/St
w/new ant wkd 9, Gs 3PQA,RBW,RAU,RPB,OQT,PGN,GRL,BFP,5ZT and DL1FF 20/OCT @ G8PG/GUS
hr fm army"Pitching2 on 160 20/OCT hrd 1BB,2KFT,K8EVG-Fb!! @ H82V/Victor friends
wl B Hpyknw He&Family survived hurricane safe&Sound/no damage-Vic has given many a
ham a new entry/160 but nw QRT/regs hoping fr 160 authorization - 73 Vic!! @ G3OLN/
KIETH of COTSWOLD RADIO CONTEST CLUB sez "Hrd 1BB during Marconi Centenary Celebrat
whilst DRIVING to POLDHU in Cornwall rst579 on 6' Mobile Whip!! @ FP8AS/Chas(W2EJ,S)
No rpt yet but understand Chas did VFB 160 DXing fm hr early OCT and wl hv interest
comments ltr-one of which is tt Gs override and QRM Ws fm hr!! @ SEP 1st/SUPRISE Eq
opening DL1FF,G3PQA,RAU,IGW all wkd across @ SEP9/OPEN ALSO G3GRL wk FP8AS,G3PQA wk
1BB-K7DEK/7 wk 1BB,2UWD,3GF @ W8GDQ/Willie notes interesting "MARKER" H4L4 1792k
479 19OCT 0245z anyone hv full info?? @ FRANK/WIWI who boosts 160 in Qz, especially
contests wkd VP8GQ abt 1OCT sez"Cover 160 fr Qz CW DX Contest NOV 23-24 - Tnx Frank
@ Gswl/Norman Smith, Robert Iball, Tony QUEST already "Warming-up" w/interesting
pre-test observations and logs @ VS1LP/BOB SNYDER(Ex KP2BK) nw at SINGAPORE -visite
USA OCT17&NOV17 w/xyl Lorna wl pick up Valiant & Operate 160 63/64 provided "Polit
cal" difficulties either as VS1 or PK4 dont interfere-sez 80 open VFB 2 Mos last w
winter/sure 160 wl also open this season-wl airmail skeds when ready @ WLBB 160METE
DX AWARD Certificates recently awarded ZL3RB,ZS2FM,W6ML,Gswl,Norman Smith(10Yrs sw
160 DX) for outstanding contributions 160 DXing @ W6ML/Alex looking fwd interesting
63/64-160 bn NEVADA/UTAH summer-tried FP8AS/Chas-N.D. sri Alex/Chas @ G8PG/GW8PG/G
sez"New 30' mast RX&Gnd system ready - hpe fr much DX 63/64-bn using 70' Loaded w/
14' High w.startling results wk OK GM GD GI GW & EI9J IN DAYLIGHT!!! w/10w --EI9J
puts out potent sig w/5w - bn HAM 25 Yrs - COMM'L 24 - spark/sounder/UHF/FSK!!
@ VP8GQ/Pete S.Orkneys lvg fr good APRIL-his last on 160 there - wl be on regular
weekends until-has cum thru FB this fall esp 15SEP already @ LOGS AUG18 ZS2FM hrs
1BB 449 0830 and a WA2??? 239,W8EFG 539-1030z -- ZL3RB hr 1BB 339/559 0439-0503z -
Z63JO hr 1BB 369 0422 - 5N2JKO hrs 1BB 259/579 0421/0512 @ SUMMER CONDITIONS were
generally much above average w/lots DX wkd - in fact 1BB intended take entire sum
off of 160 but Cdx so gud just cudnt afford to!! @ AN OLD 160 grp DXer FRIEND HB9C
Philo Gander & xyl Caludine sez"Still hv tt handsome Chalet you visited-go there
regularly-still make nice contacts arnd world- hv become most interested in PERSON
contacts" Philo speaks 7 languages inc Russian - FB Philo but dont give up 160!!!
@ G3FLC/John/MM RO M.S. "FOURTH BAY" roaming high seas listens on 160 w/HRO-8'Whi
& Ship's 300' Horiz - Hears many many Gs &Eu DX - Main problem nr Africa is STATIC
(I HAVE BIT MORE BUT HAVE RUN OUT OF PAPER--NEXT TIME!!) 73 de Stew/WLBB

ZL 1963 REPORT: de ZL30X/Jack-path open AUG18-130CT Hrd BB.TX,K7DEK/7,SEEG,
GDU,K8BEG-6UOV,GPI-2UWD,QJK,KCF,EQS-VE7AKIOK5SXU-VE2UQ-G3OQT,GRL,PU,OUV 0830-1030z
"The season's hard luck story, Willie/W8GDJ jst couldnt quite get my call - my pair
802'2 flat to the boards w/810v on plates - eff 80% but NO/GO--Failed QSO w Gs-they
ce too long for short time sigs are in "Peaking"-am sure would hv QSO'd if calls
shorter - nw laking fwd to FEB/MAR wk W/Gs etc"-Jack is determined w/patience and
perseverance to QSO W/VE/Gs etc - look fr hm-welcomes skeds sez VK2APL,5KO,AKR,AZZ
active 160-Luck!! ---- de ZL3RB/Mick Hrd BB 18Jul 0830/449-Wkd G3OQT&GRL 239 SEP/
OCT Equinox "Cndx lowest in 10 yrs hr/maybe due Quiet Sun Yr-Certainly not gud as
previous yrs" (Interesting observation from "Down-Under" - Mick vy GRL w/ farming.

ANTIQUA WIRELESS ASS'n ---Bruce Kelley W2ICE Secy-Holcomb NY wl shortly hv AWA sta
WZAN on w/202 Hartley osc-202BUFT-203AMP-50W-all parts 1923/earlier vintage-1923 ok
except final&Buff NEUT'd-using 4BJAR CRAC pwr liquid rectifier-listed fr real O.O.T
stn on 160 fy 1807 kes - only Rx used wl be det & 1 Step s/201's - everything wl
be authentic antique - CONGRATULATIONS and luck to AWA-OOT Stn - Include sum DX!!!!

HOT NEWS ---Mike G3IGW w/ Jim/G3JML wl b manning GM3IGW/A in Wigtownshire, S.W. GM
fr 04/160/WW/DX/TEST: Site picked during special GM Visit-4TH MAGNIFICENT - wl b hv
super-array of antennas for 160-designed fire sigs any part of world tt produce DX
opening - a wonderful take/off all directions est W/VE "We are staking a lot on this
operation" Sez MIKE - look for 'em Gang - here's your GM Country - those tt need it

SOUTH PACIFIC/KIKSH/VK9GL-Gary---"Good-Luck" Licensed Rec'd 18nov - ran several ske
with W/VEs as QST de WIBB & DX Mgg -- Hrd WIBB twice 119-239 and also W6ML 569peak
Apparently no QSOs - did work ZL3RB however-had ant on two 150' Towers-FB set/up -
However UNFORTUNATELY airforce orders to "Move" terminated what otherwise would hv
been an interesting and exciting DX operation for all. Nice Try Gary!!!! Sorry!!!
Gary returning to USA for vacation - and then off to other "Exotic" DX spots!!!

CONGRATULATIONS TO MAL/ZE3JO!!!!---on a resounding FIRST!!! ever ZE/W on 160 QSOing
WIBB/I 6NOV63 fm 0315-0448 1801.5k (BB/1801.0) sigs,JO/1190339, BB/339-359,QRM/QRN
both ways--Culminated series TESTS since AUG during which COMM'l Stn WCC 2036Kc,
60 miles fm BB used by Mal to find "Peaking" times sigs fm W/1 in ZE land - At
QSO time WCC coming thru well-W2IU also hrd 239 - sez Mal - "We made it at last!!
Static was "Bloody-Awful"-had headaches fm it - I was so excited when I hrd U call
me and give my rpt cud hardly believe it - nw I knw tt wid lot patience/perseverance
it can be done - your sigs literally came in then went out within tt 20 Min peaking
time-Tnx fr my 1st real Dx QSO-my QSL enclosed" - Mal used 10 watts,HRO rx, 260'DW
fairly high. Prior this contact BB hrd by JO several times, and JO hrd by BB several
times but not good enough fr solid exchange until 6nov. BB Considers this his first
big "Dividend" fm new 260' High inverted Vee!!

FLASH!!! --- Word just rec'd fm Alex/W6ML that Contact WAS made with VK9GL and this
therefore represents another outstanding FIRST!!! Congratulations to Alex and Gary

CONGRATULATIONS PIET/PA/PN!!!!---On FB FIRST ever !!! PA/W 160 QSO - wkd BB 0415z
5OCT PN339 BB449 making contact on FIRST try. Piet QSO'd VOLBD & VERZZ for FIRST
PA/ TRANSATLANTIC Crossings 26/27JAN63 also hrd & Cld W1BU,KWD-ND - Piet uses VFO/P
w/old DL army type MVEC Rx & 3/8 wve ant 1/8 Wve high-Age 53-built 1st Rx 1922-
PA/PN.1930-1942/44 Chief "Black Radio Net" between province Isls, w/ Army Hq.London
Bronze Cross Merit,handed him personally by PA/ queen. 1st PA to wk G on 3,2,&70Cms
Much credit Piet his accomplishments incl 160!! Wl b quite active 160 this season.

VE/P/Bob Snyder Ex EP2BK.SINGAPORE!!! On 160 nw - hrd DHJ/569/2200z-OK3AL/569/hour
2245z/WCC/229 - 2315z/G3OUV all 30Nov also OK3AL/579-2330 band out --1Dec DHJ/579/
2300-G3RRE/569,G3RFS/459-2305/WCC/339 - these sigs ROCK LIKE STEADY/No QSB - Becuz
of work schedule Bob cannot set any definite times to be on - however wl cover band
whenever possible - wl try CW/WW/160/DX TEST especially. Skedding DLFF/other Egs
Bob's fy 1826-27 & Possibly 1835 - watch fr Bob 2200-2330z - Skeds QST if and when.
We wish Bob and Lorna best luck fm this exotic DX spot!!! Bob is sure to make sum
160 Meter DX HisCory. Has Ranger II/Running 10W - hopes hv inverted Vee 80' High.

NOVEMBER SUMMARY LOG -- (3NOV) Cdx poor, windy, rainy, 40F, QRN, Euonly Dx -W1BB:-- 3.
DLIFF 0517 1825 229/339 wkg G3RWL, GRL until 0630 then DLIFF.449, G3GRL.339 --
G8PG: BB.229/569 sez"Hv nw qualified fr "Called W1BB 160 Times Club" - G5JU:BB
Cdx Genly poor. ON// W2MCU, BAY, P3Q, IU-3RCQ/Shelly after long absence VFB!! AJS-K3
MI 0VEH/4-K5JVF-VE2UQ (10NOV) Cdx poor, rainy, QRN, a complete "Washout"-Static S8/9
No Dx at all. PARTICIPANTS 1BB, BHQ, UZ-2EJS, GGL, SJR-3RCQ, AJS-K8IQQ-W8BG, JRV-VE2UQ --
(17NOV) DLIFF romping thru 229/579 QSO'd OH3NY, G3GRL/no Ws G3GRL came thru/not so
well but QSO'd W1BB, 3GQF, VE2UQ, ATU. OH3NY not hrd W/land - K7DEK only other Dx.
G3RWL:BB439--OTHERS/ON;W1BHQ, EEW-2EJS, HUG, EB, GGL-3GQF-4RL-K5JVF-K8MBR-8GDQ-9CKV-VE1Z
VELZZ, 2ATU, UZ-3DU, BZB-(W9CIG/68K9YWO Hrd 2mc by VE2UQ)-PA6FN, G3GRL, RWL, OH3NY --
(24NOV)--CQ/WW/DX/TEST Cdx onli fair, below last yr-onli few regular Eus came thru.Wkd
in Eu by BB&Otrs were G3RAU, GRL, OQT, PQA, APB, RFS, RBP-6BQ-DLIFF. VE2UQ/Outstanding
job/Test-W8GDQ/Willie:W7EKD, G3GRL, OQT, PQA, RBP-6BQ-K7DEK/7 - Gswl/Quest:Nil-G3GRL:
BB/1, BHQ, TX-2IU, EJS, VE2UQ, EK, IZZ - Gswl/Iball:BB/1 - OH3NY:BB/1- OTHERS/ON:G3IGW,
OUV, RCL, RCA-OK1NR, 2BCN ~~XXXXXXXXXXXX~~ We had hoped for a new Country or two!!!

DECEMBER SUMMARY LOG -- (1Dec) FIRST TRANSATLANTIC DX TEST-Unqualified Success/many
& QSOs under fair to good Cdx (Altho sum xpected DX did not show) W/VE W3GQF:
G3PQA, PU, OUV, RRF, RBP, GRL, PFN, OYI, OQT-5ZT-6BQ-DLIFF-HR3HH-wkd 4 of em/would hv wkd m
more except for Tr Trble --VE2UQ: Hrd/Wkd mani stns --- WIWY/frank:DLIFF, G3PU, OUV, G
GRL, RBP, RRF-6BQ-5ZT.HR3HH, VP8CQ-"One of best nites on 160-if this indication things
to come-shud hv VFB 160 season-too bad didnt hv this opening during CQ/WW/DX/TEST"
W8GDQ:HR3HH, W6UOV, WA6CLM, K7DEK, No/Eu---W1BB/1:DLIFF, G3PQA, PU, RFS, RPM, PYI, RQX, RBP, TR
RRF, GRL, PQA, OQT, RWL, PPZ-5ZT-6BQ-HR3HH/hrd EAST//DLIFF:VP8CQ, BB/1, WY, VE2UQ, Otrs--
Gswl/Iball:BB/1, WY-2GGL, IU-VE2UQ, ATU---G3OQT:BB/1, 2IU, GGL-raised ant 25'-also wkd
ZL3RB 4 times, OH3NY, VELZZ this yr---G3GRL/John:BB/1, TX, WY-2IU, KHT, GGL-3GQF-VE2UQ, X
ATU, VP8CQ, VFB!!---G3RRU:BB/1---OH3NY:BB/1 is ORV W/VE SUNS 1825/30k---DL2.8261/Swl:
BB/1 (OTHERS/ON):W1PH-2EJS-9PNE-WA8ADB-3AJS-K4FMA-Wa2UQM, JWN---G3SPW, RQJ-G16TH. Otr

(7Dec) Cdx onli fair/E-Gud/W.(Nite B4 band gud E8W Both-VE2UQ&Otrs/W3GQF etc did vy
well) Mani stns wkd 6YAKG Jamaica, formerly VP5KG/Pete & also HR3HH & VP7NY--W1TX:
G16TK, G3OUV, RBP--BB/1:G3LIQ/A, PQA, RBP, GRL-5ZT-DLIFF (OTHERS/ON)--WIWY, BHQ-K1JGM-2GGL
BYM, KHT, IU-K2GNC-3GQF, HHT, AJS-K4FMA-8GDQ, IQS-K8IQQ, RRH, CRJ-9CSR, KGL, PNE-K9W/T-WA9CH
VE2UQ, BHM, 3AJX, BWY (15Dec) Second TRANSATLANTIC DX TEST-Same as #1, lucked in on gud
DX Cdx of skip & low Noise-quite few 1st crossings resulted. "Star" of the TEST was
VE4RO/George 1996k who QSO'd G3GRL for a FIRST Ever VE4/G 160 Mtr Contact - sigs
both 369-CONGRATULATIONS to Geo, who has also given many W's a new VE/Province.
VELZZ:OK3BA, HB9EO, Otrs--W2EJS:G3GRL, Otrs--VE2UQ:G3GRL, G16TK, Otrs--W1BB/1: OK3BA,
2KGV, KIM-G16TK-G3PQA, GRL, KBP, RAU, OQT, TR, RBP, LIQ/A-HB9EO-DLIFF-6BQ-HR3HH-DEJ/59.
Sorry that this is incomplete because all reports not in as yet.

MISCELLANEOUS TOP BAND NEWS ITEMS

G16TK/Frank"Understand HCLDC returned/W-wl b missed-I am always on 1825-if Ws want
skeds wl listen 1823/24-getting up inverted Vee, 70' Mast!! Wkd 5N2JKO!! W8HCW/Les
visited me this summer-big thrill-he also visited Paddy EI9J. G3PU&G3ERN wkd VK5KO-
my xyl Rosalie recovering fm 2 operations-b.c.n.u./160-Frank" G3PQA/JOHN Bagged
FP8AS, VP8CQ, ~~XXXXXXXXXX~~ G3RFW/p-nw 28 Cntries. Plans visit USA via "Ham-HOP" club-
need Asia/WAC/160/trying %b4RF-ZBLBY/CRT Malta-ZB2A may open-ZL3RB came thru FB th
fall-Tnx John G ZL3OX/Jack hrd BB, 8EFG-20AUG & BB, K7DEK/7, 1SEP-hrs WCC reglrly
2036k fm B4 his subset to after W Sunrise almost every day in summer-VK5KO runs 150
w to vert 50' Loaded - VK2APL wl hv Inverted Vee sn G3IGW/Mike hrd BB 25Aug 0430
569 first W since Mar - moving QTH fm Northowram to Hipperholme, Halifax-lower QTH
but quieter!! 160 FOR JA LOOKING UP per JA2JW "YOH" sez JA/FCC testing at request
JARL for loran QRM-1st test using 250w&LW 1875-18801, NO QRM -- 2nd TEST due - if eq
again OK, HAMS get 1.8 Lies-Tnx JA2JW--Also JA1CR who himself has been pushing also
for this since 1954 - probable 50w limit - "YOH" is DXCC 263/258, CHC/237, 1stJA 3.5
WAC/WPX-many other Certificates - a good man to have on 160!! "NORTH POLE" ACTIVE
QSO'd by G8PG 27Oct sez"160 1/4 wve Vert G3KLA Operational w/Potent Rock Steady
S9 sig --sez also DLIFF has full size Gnd Plane Ant-G3GRL 60' Loaded Vert Gnd Plane
w/4 60° Radials/both FF&GRL Potent sigs also-More DLs on-watch DL9KRA w/80° Top Loc
vert&FB Gnd/Terrific Sig/Airlines Pilot/NY/DL-Tnx G8PG/Gus G3A3CJ/STEVE wl be
active 63/64 w/VFO-wkd 35 Eu already SUNSET USA DX/G5JU/JERRY Suggests W/VEs &
G/Eu try especially for Contacts at and shortly after W/VE sunset/times- he thinks
we wl be suprised at gud cdx & QSOs - Lets give it a try - he wl be on SATS 2830-
2330z.1831k sig CQ/DX-wl listen all Fys. DLIFF has taken Jerry's suggestion & wl al

also b on occasionally these times during wk - already hrd by W2IU/Sam & BB 4.
18Nov 5.30pEST-solid fr 20 mins. VE2UQ also vy interested/skedsG3GRL. (Jerry also
sez VP8CQ wl CRT End Nov go Falklands, then G/land abt Xmas-or soon as boat) ●
W1TX/ROY Ford fm La.Cal.Trip.sez VFB/150Dx taking back seat-seen lots 240' sticks &
VFB/150 fr 160 op'rn though. ● W5IPT/Herb 160 Tx 4,6L6's Par & 50' high dipole &
HQ 150--K5JVF w/pr 1625s & 66' Vert -W5QPT w/Viking I 465' IW&BC348Rx Rarin to go 160
W3AJS/Ed 50w/75' vertw/load 1.3up & HQ150-located on Golf Course - however noise lvl
not too low!! ● 5N2JKO/Dr.Mike w/inverted Vee 33' Apex 29SEP hrd W2KOT,VE1ZZ,G3GRL
DL1FF -13OCT Hrd G3OUV,DL1FF,G3OQT,W1BB,2KHA,G5ZT-Wkd G3GRL -20oct Hrd G3GRL,RQA,DL1
1FF,VE1ZZ,W1BB/1 "0515 latest Hv hrd 160 Dx - wl be active 63/64" ● PYSWL/RASP Hrd
3 stns 160/119 & K6 in QSO W5SOT Sep-anxious fr btr Cdx - best LF yr hr was 1950
sumr&wnter & early '62 when I started SWling 160/Tnx Rolf ● W8GDO/Willie "Noise lvl
vy high this fall 0500-0630-No Dx Msh ● G3FG/Cus "Photos of "NORTH POLE" GM3KLA ma
makes one drool" We'll be lukiing fr those fotos!! ● W8DUL/Frank H.S. Radio Club,
W1JYP 1932 started it all-WW2 used Radio Reconnaissance Control- Bablding/Operation,
50/50 - CW mostly 25wpm, after 5 yrs slapping 1/8" gap thigh key w/5# Spring in tank
and planes - learned morse at B&A stn/Mass.-uses Ranger,R100 Knight/rxw/Navistor/wks
VFB -large Marconi ant w/Counterpoise,SWR 1.5 ● CONGRATULATIONS to G2PQA/John made
WAC!!!!160-by QSOing 5B4RF 119/339 10w 1/4Wv ant recently!! Sez "ARMLN/DL1FF's sig
terrific S9-Plus40DB - OH3NY/Matti on agn-leen for 160 Dx"-Txn ● W3RCQ/Shely old
friend/Dxer w/new gwv ant & Selective Rx wl try boost his Country Total of 33 - has
1810,1830,1850k Xtals FREE to any DX station!! Been QRL/ssb-Children-Hobbies. ●
K8IQQ/Joe w/ 135' wire 50' High-9 Countries already/1 yr-VFB!! Thinks Willie/SGDQ
bags all Dx sigs B4 reaching hm --has 209 Cntries Plus WAZ,WAC A1/A3 Otr Ends - nw
covering 160 closely. ● FIRST EVER VK/G QSO btwn G3PU/Ern & VK5KO 30SEP63 2010z
Congratulations!!! ● SUGGESTION has been made fm several sources that G Stns when
DXing keep above 1825k to avoid CRming W/VE DX - and especially NOT to call W/VEs
on their own Fy!! Also that W/VEs please DO NOT Operate close to 1825Kos as it CRMS
DX terribly - keep back to 1823Ke minimum. ● CORRECTION in BULL #1 - where G3OUV is
me loned - it should be G3OUV-Sorry!! ● K7HDB/Dick "There is much DX activity hr
evenings & vy crowded 2Mc End - putting up new phased 160 array 50' High -bcnu 160"
Dick ● VE2UQ/GORD SEP wkd VP8CQ,HR3HH - new inverted Dipole got S6.7 rpts fm K7DEK/
AVE7AKI- VFB - still wkg on "VE-Roundup" -VE4RO nw on!! May DXpedition VO1/160 nrt
summer!! ● W3AJS/Ed w/803,50w&30' whip in tree & Secret Radials on Golf Course/HQ-
170Rx wkd VP8CQ,W4WQQ/VP9,PP8AS,VE2UQ/1-Hrd Gs,DL -his last Transatlantic was 1955
w/G2II!! "160 Dx is real challenge" Lic/'29 - a Civilian Communications Consultant
w/ Naval Air Dvlpnt Ctr sez L.F. Loran should replace, and eventually will (Long Time
present 1800-2000 Mc Loran - suggests ARRL/we, allkeep pressing for full 1715-2000
restoration - lets do TT gang!! ● GREECE/CRETE/RHODES vs 160 Ex SVWZ/Sarg/W7FTU/5
sez 160 these QTHs definitely banned!! as of 12Jan63 - hv complete story on this fm
Sarg - anyone particularly interested/write - Sarg hopes become active 160/Dx agn
maybe KR6,BV1,HL9,JA,KL7 etc - meantime look fr W7FTU/5 - Tnx/me/sarg ● DL1FF/ARMLN
sez "Marker" DHJ/54 etc a Navy Stn Nr Bremen on 24 hrs day 1830ke sends vvvv WX Num
a gud one fr W/VE check Atlantic Path - his new GP why FB but wl try inverted Veew/
apex at 90' - wkd VK5KO fr WAC!!(G3PU wkd also) wkd UA3NB 1Nov - OHONI has 160 Lic.
54 DLs hv 160 lic 63/64 but most w/poor ants ● GC3EML "Im back on 160 - hd spinal
trble/hospital/operation/nw 100%/QTH top of Headland w/gwv end fed ant/wkd G,GM,GW,
GT,DL,PA6 -lkg fr W/VE-FB John/luck ● Look fr G3RWL/Dick using 8w.135' Inverted L
45' hi 1835Kos ● G3RAU/Dick and G3OLI/Roy both 160 hams 500 yds apart - synchroniz
their Tx and listening periods!!! ● G3GRL/John sez OH3NY,HB9QA,5B4RF,5B4KG,7X2BM,G
GC3EML & Lots OKs on-Tnx! ● Gswl/Quest 20Oct n 1BB,VE1ZZ "DL1FF,GB,4FZ,9KRA,PA6PN,
OH3NY,HB9EO active" Tnx ● OY7ML/Martin "Not on 160 or any band Nw/ant trble/back s
hope" Sri Martin - gang anxious hv u back!! ● OH3NY/Matti on 160 23/24Nov wkd 60
stns inc EI9J,OKs,Gs etc QDX TEST hrd BB/1,339/449-wl B active 63/64-FB Matti!!! ●
APPRECIATION to G2BVN/Steve RSGB mag Dx Editor for VFB Coverage being given 160/Tnx
● KAFMA/Miami, Fla limbering up on 160 wkd K6ZH/Herb Hoover Pres ARRL & Hrd G3PQA
Wkd G3PQA&G6BQ March FB Don!! Has 270' Dipole w/67' Feeders. 1825930ke riddled by
Loran in Fla. Don/20/student/lic'59/Cw mostly/RTTY 2nd/QST interested hm 160 - when
band opened in Miami, 1st QSO was KP4AKU/WK7FY Ed - Trying various Ants - 8Dec wkd
CO2QR/1804.HR3HH & 6YAKG "160 Picking up"!! ● W5IPT means BC Harmonics, carriers,
loran,Heterodynes & Miscellaneous "QRM all over 160 bands which wasnt on last yr -
makes going real ruff -W5QPT & K5JUF hv same problem -"Wont Quit however" FB Spirit
Hal/hpe things improve-uses vert or gwv Dipole or 455' LW ● VR2ER(ZL3II) rumor had

it might cum on 160 but ltr fm Denis sez N.D. got DXCC - nw going Zlland& Nw 5.
"GL"-might go bk sum da W8YY "A-Rarin to go on 160" listen fr John w/FB Mountain
top antennas G3FHO making tape recording this season's Dx sigs-wl send abt MARCH
'64 of W/VE & all poss DX stas Am nw active 160 wkd VELZZ 6OCT for mi 1st TransAtl
Q ever/got 339 - ant 260° 40° Hi, bent 5 times - Total CSOs U05AA, UB5WF, 5A3CJ, VELZ
OY7ML, OH2NB, OH3NY, PA6DL, OK, ZB1EX, BY, HB9 etc - vfb Peter. ExGswl nw licensed!!!
K7HDB/Dick was reported hrd by GM/SWL during his QSO w/BB 7Jan62!! G3RRU/Geoff
lukg fr 160 QSOs 0500-0700 TUE/THUR/SAT/SUN abt 1835k - wkd VELZZ FB!!! MOBILE
160!! fr 160 boys contemplating 160 Mobile there is an all band TX/RX w/pwr supp
nw available covering 160 - the MOBILTRANS 40 which seems pretty good-write Justin
Ino Box 135 San Gabriel, Calif \$99.50 W9PNE/Brice An OOT on 160 checks in "Been
QRT since spring vy QRE wk & Activities. Hit 80 Dx hrd CQ/WW/DX/TEST - tryg fr W9
Certificate 6th straight win!!! VE2UQ Loudest sig on band - BB/1 most consistent
with high inverted Vee - wkd DL1FF&G3FOA 1SEP - 1Dec Hrd G3PU 0650 -wl tri W Eu/160
Believes 2300z ideal time W9/Eu - QRM by line noise - wl tri hit 160 gard this yr.
PY1NFC/Fred who with help of PYSW1/Rolf to check band edx, wkd W1BB 3/26/63 fr
1st ever PY/W 160 QSO & then dismantled rig for parts fr another project - is nw
rebuilding & Hopes to put Py permanently on 160 Dx Map one of these Days W2EIN/
Brad O.T. 160 Ham/Retired - getting HQ120x to "Check-160" with!!! W1TX:30Nov;
DL1FF, G3GRL, G3PU, PY1 K9GSD Active/hrd HR3HH 1827k0700z 569 & W6s - GL/Jeff!!
"NOW HEAR THIS"!! HAM/VE3BWW frustrated by neighboring O.L. who would not allow
ant over property - put up 134' in attic in form of "U"/tunedup/wkd wonderfully!!!
QSO'd G3GRL/got 569 - and 6YAXG - makes him 8 Countries on 160 - Good news for those
with ant space problems!!! Hopes to break down the O.L.'s resistance eventually &
get ant in open!! HB9CM/PHILO wl b on weekends sez luk fr him 1827-30ke
W6ML/Alex "W6VSS hrd Iceland/160/CQ/TEST/NOV" wkd HR3HH - K6HXT/7 on fm scottsdale
Ariz JA1BRK hopes hv rig on 160 sn (See JA Herein) Tnx Alex G3FPK & G3KZI
Going MONACO 22-27DEC hope special 160, permission but doubtful/160 banned there -
hope's hoping however" Tnx K8MBR/Mike 6Oct wkd G3GRL 459, 8DEC, HR3HH almost
had 6YAXG but QRM'd by W who started wkg Gs on 6YAXG's Py sri!! FB G3/HR!!
Gswl/Iball "G3IOS and G3EML nw active" No Dx hrd 8Dec G6QB/Tommy Dx Ed SWM
Hv new inverted Vee gg - sum power line noise trble however - wl b on every Sunday
AM 1825-1835k w/10w - sez 160 boys very enthusiastic DXers - Thanks Tommy for nice
reporting in SWM. K7OEP/Earl ORL School/Electrical Eng/so wont be too active -
was in auto accident - thrown fm car - in hospital - sez please tell the boys to
buy and USE SEAT BELTS he had to learn the hard way - would hv been OK with Belt.
Wl find time to try sum DX anyway -- Tx ARCS Rx SX96 ant nw 140° 30' High/luck!!!
VE2UQ/GORD "More than psd w/ results this yr-credit to new ant -12DEC DL1FF, G3PU, 68C
3OQT, GRL, had two S7 rpts - CQ/DX/TEST on 160 wkd 79 QSOs, 5 Zones, 4 Counties fr
1521 Pts inc 14 G QSOs also YV5AJ, W6ML, VSS, K7DEK/7 -- recently QSO'd also K5TFG,
W6HXT/7 & W7GBL for new States 7thDEC 6YAXG, VE4RO, VP7NY, HR3HH, W6TUT & W5SOT. (Credit
to GORDON for getting VE4RO ON!!!!) VE4RO using 3.5Mc Vee beam 700° Long on Eu -
busy with G3GRL keeping "SUNSET" skeds Saturdays 2200-2300z GRL/1829 others welcome
to join in!!! Rpts K4FMA wkd C02QR 0030z 7Dec - Tnx Info Gordon - your signals VE
always hr. DL1FF/ARMIN Sez Big storm clipped 14° fm top 160 Gnd Plane ant -wl
try inverted Vees agn 1DEC wkd BB/1, VE2UQ, VE2ATU, W1TX, WIWY Hrd W2GGL, EJS Wkd VP8GQ
got 579!! 7Dec wkd OH/NI for Cntry 39 - hp wk W4IV sn FB/Armin BB/sez We hv to
be vy careful not to overlook chances of DX under apparently poor endx --listened
to DL1FF & G3GRL QSOing for an hour one night -, they thot no DX on and werent liste
-when they QRT BB cld - they came rite back - FB QSOs - ExK/DCF/Tony Nw K7ZIF
Seattle WASH hopes B on 160 some this season FB QTH on hillside has hrd HR3HH wl B
VFO in high segment FB Tony!! PYSW1/Rasp 15Dec W1BB/1, VE2UQ, W2GGL, IU, K2DGT,
VE3AGX - lots others in QRMing each other - also Hrd W3GQF am watching band each
Sat/Sun ~~W3GQF~~ OH3NY/Matti persuaded OH/NI to get on 160, FB!! 6Dec wkd
V1 W fr FIRST OH/VP ever QSO!!! rec'd 469 sez DL9KRA, GM3IKD, G3ATH, G3PIQ, G5AQ,
GM3NY also QSO'd VP8GQ 1829Kcs - hrg W1BB/1 regularly -- Expects HAMMARLUND
Dxpedition OH2YV/ Jan 11-19 182391832 Kes - Tnx mush Matti!!! G3PU/ERN's QSO
with VK5KO was FIRST ever VK/Eu QSO!! 2 wks later DL1FF also made it. ISWL/GM1002
listened to W1BB/ZS2FM QSO 18 JANU JUL 2FM569/BE349 Ioran QRM sez DJ&OZs cld 2FM.
K4FMA sez HK5IA expected on/via HR3HH W8GDQ-15DEC 6YAXG, VE4RO, HR3HH, DL1FF, G3PU
G3GRL, G3OCT, G3RAU, G3RBB - VVfb!!
Guess this is all!! Hope you had FB Christmas-
HAPPY NEW YEAR with lots of FB 160 DX..BB/Stew

February 5, 1964

PYswl/Rilf

Just got your letter Jan 29th - thanks a lot - and VFB on all the good news - very fine - CONGRATULATIONS to you and Fred and will be looking for you !!!

Thanks for reports on the CQ TEST receiving -stations Heard - next Bull -

VFB on VP8GQ also - that is wonderful!!!! Sorry he doesnt hear up this way better - but we will keep looking for him also - that would be a nice one!!!

Here is all the latest on 160 for you Rolf - and includes info from your letters Jan 12 and Dec 30 - for which thanks a lot also

Hope JA6AK makes it OK - have been corresponding with him for several years ----- VSILP is on and worked several as you can see. - Feb 2 G3PU worked W6ML, K5HRR and W0GDH - not bad eh???

Rolf - sorry I have been unable to get a WORTHINGTON calendar for you this year - they went very quickly and we could get no extras for my friend

Enjoy the pretty stamps that always come on your letters!!!

Will try to make first QSO with you - watch for me on 1809 Kcs - Am glad we made it previously so the strain is off

Will be very careful with all information - 73 and best luck/Stew

JANUARY 30 1964

W1BB - 160 METER DX - BULLETIN

1963/1964 No. 13

W1BB - "UP IN THE AIR" ----- Flying Commercial at 10,000' altitude now, returning via Coastline route from New Jersey/New York business trip --- Weather is VFB - Crystal clear, Sunny, Visibility unlimited --- Passed over well known 160 DXers QTHs - Chas/W2EJS/N.J. - Bob/K2DGT/Long Island NY-W1WY/Frank/Stamford Conn - K1KSH/Gary/Ansonia Conn. - W1PPN/Cliffe/Rhode Island - W1ME/John/New Bedford - W1LYV/Larry "Confusion Manor" Cape Cod - tried to spot their exact QTHs -- Cars on roads clearly visible/wonder how many "Mobiles-in-Motion"?? --- Many ideal 160 shoreline locations. However, antennas even 90', 150' or even 250' high, seem wee and puny fm this height - one thinks how wonderful it is that Amateurs down there can shoot signals into the ionosphere and communicate with each other all around the earth, (which LOOKS round sitting up here), especially on 160!! --- We are now over the Atlantic Ocean, and approaching Boston International Airport from the SEA side - MINOTS, THE GRAVES, BOSTON LIGHT, lighthouses and islands are clearly visible, including several ships. The water sparkles like a "Million Diamonds" --- Turning shorewards, we are making our landing approach to the Northeast runway - this is good - we will pass almost wingtip at 300' altitude, alongside W1BB/1 260' high inverted Vee on "Tower 160", with it's 6 RED warning lights which blink at night - the highest point anywhere around - having a "Clean-Sweep" in all directions, at Winthrop Beach, almost completely surrounded by salt water - looks pretty from up here with those white clean "breakers" on the beach - nothing between it and G/land, Eu, Africa and many exotic DX spots but water - seems like one could almost grab hold of that Vee and give it a twang - big thrill - one thinks of all the DX heard down there on it to date - of "FIRST" QSOs with ZE3JO, 9A1VU, PA4PN - Contacts w/ OH3NY/Matti, OH4NI, OH2YV/6 - being heard by VSILP/Bob - other DX worked, and future DX we hope to hear and work -- and are glad for all the work put into the deal this last summer, getting it ready - also a recognition to C-D Director Jerry Wyman, Winthrop Water Commissioners, and Supt. Francis Dalton, who made it possible to set-up portable here - we only wish life didnt keep us so busy otherwise - that we could have more operating time, "On the air" - it seems so short now - Sunday Mornings - and a few special times and skeds - but we think of a few years hence when we will have retired, and will have plenty of time to work DX to our heart's content, to say nothing of antenna experimenting,

and friendly "Rag-Chews" with the "160 Gang" ---- We've passed it quickly - Now 20 we've touched down - xyl/WLDQF/Alice meets me with "Breamboat II", (All/Band WIBB/RED Convertible!) -- Home again - 8 letters from 160 DX friends - really enjoy them - must "post" in BULL and LOG - another 3 days to Sunday AM-to Sunday Morning 17 on 160 - which we eagerly look forward to - old DX friends - New ones - maybe another COUNTRY towards that DXCC/160 we hope to make before "Silent-Key" Time - 76 Countries down now - and 24 to go, a thrilling and interesting challenge - This grand HAM hobby of ours - especially DX on 160 - always gives ZEST - and something pleasant and relaxing to look forward to when one's workaday chores and responsibilities have been attended to --- S0000000000000000 b.c.n.u. on 160!!!

Again fellows, must apologize for tardiness of this BULLETIN - been "Snowed-Under" work of one sort or another - business trips - etc - Sorry!!!!!!

CONGRATULATIONS!!!!!! to VS1LP/Bob and W6ML/Alex on a FIRST EVER!!! VS/W 160 Meter QSO 26Jan64 just before sunrise V6 time - sigs 46/79 both ways! Thanks to patience, perseverance and skill of Bob in setting up good antenna for ORP rig and finding right time for QSO!! And to Alex, fighting Power Line Noise, patience and being "Johnny on the spot"!!! Nice work-fellows!!! (More on VS1LP elsewhere)

VS1LP/BOB's 160/80/40 LISTENING OBSERVATIONS from SINGAPORE ---"Have observed two kinds of conditions - in ONE, sigs cum thru up until dawn, then fade shortly after with slight peak either just before or after dawn ---In the SECOND type, sigs start fade abt 2 hrs B4 dawn, & long 4 dawn DX sigs are lost completely - THEN, shortly after dawn start cumg thru agn & build up good peak, suntimes much as 45 mins after dawn & continue w/gud strength, often for 2 hrs after dawn on 80/40 & at least hour on 160 - makes difficulty setting skeds - whether you have one type or another!!! Hv seen extremes of both Cdx within 2 weeks. (W1BB has made similar observations, and mani otrs too no doubt, on Ea sigs - any more comments fm W/VE??) SORRY!!! to report Bob's request for 157 Watts Denied - must use low nw --Has changed top load v to 1/2 Wve Dblt 25' above roof - Wks much better listening, and Wkd W6ML!!!!!! Bob's Fy 1826.5 Kes and best time for W/VEs to possible hear/work -2200-2400 GMT.

CONGRATULATIONS to KARL 9A1VU (DL1VU)!!!! 1326 Ke on a resounding FIRST!!! when his sigs at 0500/20z fm San Marino - within geographical Italy came thru 239/559 to OSC W1BB/1,559 for a First Ever 9A1/W - This was unexpected by W1BB who was on for otr sked, hrd two stns OSCing in German - one was Karl - G3PU alerted BB - and two short calls did it - Karl stated this was his first 160 DX - also became BB's No. 75 -- Pleasant things happen unexpectedly sometimes -Karl used 120w - wkd many Eus - sent BB/1 a "Souvenir" piece of 78m Windom Ant wire used - proud of that!!! VEB 9A1VU!! (Armin DL1FF made a FIRST DL/9A1 QSO also (and another w/ EA2CB a FIRST)-Armin has had ant trble w/ shorted Cox & Broken wires due to ice, but all OK now!!)

"SILENT KEY" G6GM/HARRY FERRIMAN---We are all saddened to learn of the passing quietly in his sleep 17SEP63 of our beloved Harry, 74 years young, 160 DXer of renown for many many yrs - his familiar call and keying on 160 will be missed by us all. He received SWM "Certificate of Merit" in recognition of exceptional achievements in making first ever ZL/G QSO by contacting ZLLAH ~~XXXXXXXX~~ 26OCT53. He was Royal Navy w/training under sail - became HAM 1930, inspired by younger brother VS6AH nw ZL2AL opening on 160 1935, inspired by G6FO - made, erected own masts on his farm land-favorite ant 1/2 Wv 50' high, originally powered Tx by wind generator-then by 50v DC house light system w/rotary converted - HRO Rx on 6 v - power lines some miles away made quiet QFI & DX success - no neighbors in sight - noise level vy low - the results he achieved w/low pwr a real example to all HAMS - survived by Daughter Joan, xyl and Brother Percy, His xyl writes a lovely letter concerning "Harold".

FLASH!!!!!! G3GRI/'S1LP QSO!!! ANOTHER FIRST!!! G/VS !!! Saturday January 26th '63
2 24 1805/1804Kz VS/26/79 -GRI/589 CONGRATULATIONS TO BOTH!!!!!!

CQ-WW-160-CW-CONTEST!!!!!! Will leave reporting on this event, up to CQ/Charlie W2EJS/cco, essentially & WIWY - but can compliment CQ/Chas/Frank for ordering and delivering such superb Condx again!!! From all over come comments on VFB Condx and scores of stations worked, - should be best TEST yet. Some "Super" Scores coming!!!! W1BB Concentrated on working "DX-Only" and Nabbed 47 in 10 Countries. Greatest thrill was working solid HB9CM/Philo w/ genuine QRP from his Swiss Chalet in Mts which he visited in 1958 & enjoyed Philo's and Gladys's

Seemed just like being there again!!! Just a few typical comments:: VE3EWY/HAM 3.
worked 12 Dx Stns w/new 65' Hi Dblt Inc ~~XXXXXXXXXXXX~~ 589deHK4EB & OKIAMS for first
ever-he believes-OK/VE3!!! ----KIKSH/4, 110W/VE, 8Dx, 38Sect, 11400Pts-----G6BQ wkd 25
w/VEs-No otr Dx ----G3GRL wkd 9/1s, 17/2, 9/3, 4/4, 1/5, 10/8, 2/9, 2/vo, 2/VE1, 3/VE2, 6/VE3
AN !!! KE 6YACZ!! Hrd VE4RO, W6YY PLUS!!! VSILP and other Eu Dx for score near 35,000
Gswl/John Hall -Hrd 79 W/VE Stns plus VE4RO, W6VSS, K5HRR & HK4EB ---Gswl/QUEST Hrd
many many W/VEs&HK ---GSPG/Gus wkd Seeds of Eu-HrdLots W/VE, Cldnt wk-score 2gtimes
btr 1st yr(Than)*Bk '54 OKIwas DX and W-Super/Dx - NW OKI/Local and VP8CQ super/DX--
K7HDB/Dick 44/QSOs-Score 2184 --- W9PNE/Brice "Phenomenol Cdx 0200z DL1FF 579!! Wkd
G3GRL - hrd many Gs/one way skip/wkd onli one --DL1FF, G3GRL, G3PU, GM3IGW/a all loude
than any W1!!! ---used 4 Horiz ants plus top/load/vert ---Gswl/Smith heard seeds o
W8s too numerous to mention ----- And so it went -- including W6ML/VSILP QSO!!!
This is all W1BB/BULL will carry on test - leaving rest to CQ - organizers of TEST -
General opinion of all hands via mail and over air - a real GRAND EVENT w/FB CDX!!!
"PS" ZL3RB/Mick hrd W6YY, JTB, ML, RW 559/569 during the test. Tried for GM3IGW/A - ND

FOURTH TRANSATLANTIC DX TEST 19JAN64---Started out real well w/G3GRL, POA, RBP, RAU, ORP
SDP cmg thru VFB 56/79 WWV N6 Wx Clr Cool 32F Calm . At 0517 DL1FF announced OH2YV/
on and nxt 45 mins spent making "Marginal" Contact-at 0600 Band completely Dead - No
Gs except G3GRL QSO 339 and out --W's Contented themselves QSOing 6YACZ "DEV", New.
Sunset 2230-0030 band opened up agn and more DX qkd. REPORTS W1BB/1: G3POA, RBP, RAK
SDP, ORP, GRL, FGT, PU, ICW, OHK, RCX, PHO, DL1FF, OH2YV/ø Marginal -6YACZ, DL7AA, GW3CBY, J1, LDI
*DL1FF/"Cdx poor-OH2YV/ø Copied BB Solid 569-pirate PK1CR on agn"Armin ---W9PNE:Cdx
like 1st yr-poor/fall-pickup/Dec-Gud/JAN - DHJ/weak-2304 G3PU 459 but lightening str
hr so ND-lots local QRN"---DL7AA/Radi-1st ever transatlantic DX QSO w/W1BB/1-Use ver
Marconi & Load Coil - 13 Cuntries-DXCC 5 bands - nw for 160!!! ---VSILP: Excellent
Cdx hr 2300-2330z DL1FF, G3MOJ, DL9KRA, DL7AA -----G3GRL:W1BB/1, BHQ, WY-2FYT, GGL, VE2UQ,
3EK, BWY, 8HRV, 6JTB/229/1996k!!!, 6YAXG. ---6YACZ:1BB/1, BHQ-2EQS, FYT, 3GQF, K6HXT.

SUMMARY/LOG 12JAN:>::: Dx rode in on an East Coast cold wave with nice opening and
lot of QSOs REPORTS::: W1BB/1:G3OIT, OQT, LIQ/A, GRL, PU, RFS, POA, RRF, RBP, 6BQ, DL1FF,
PA, N, 6YAXG---W1WY:G3RBP --- KIKSH/4:DL1FF/339, HR3HH #10de/4:!!! --- W1TX: G3POA,
OUV, RPU, RBP, GRL, 5ZT, PA, FN. "Not too active this yr"Spr/Roy!! --- K8IQQ:VP7NS, NY, HR3HH
6YAXG. "Nw hv 10 Cntries"!! --- W6VXO:"GW3FSP & G3PU cld me 2300z-sun still horizon
hr-this prbly best time fr Wø, 9/EU QSOs!!!-0830, G3POA hrd me 549 and W9EWC, 349-FB!!
---W1WY:2200-0500z;DL1FF, G3POA, RBP, PU, OLI, OQT, HR3HH, PA, FN, DL9KRA, GW3FSP, "Exceptional
gud nite - thrill wkg Eu sunset time"!!! --- W9PNE:Blizzard!!HrdG3PU, GRL, OQT, 5ZT, DL
DL1FF - cld/nd ---G6BQ:OH2YV/ø @0130z ---DL1FF:W1BB/1, OH2YV/ø, 2207z.6YAXG/449 -----
6YAXG:QSO'd G3GRL!!! w/assist fm W2FYT/Tony-VFB!! W1BB/1, K8IQQ, W1TX & Otrs ---
VSILP:DL1FF/579, G3OIT/549!!! --- PA, FN:W1TX, WY, VE2UQ, 3EK, 1BB/1 --- GC3EML:W1BB/1 &
W1WY both 569-VE2UQ, VE3AGX, EK -- on 13th htd LWY, 2KQT, VE2UQ - am using old HRO -
Jan15 Hrd W6VXO, 0700, 339 -Txn John --- 6YAXG/449, QSO'd G3GRL/459!!! Txn Tony W2FYT
fr "assist" getting GRL move out fm under Loran -Pete Hrd DL1FF, G3PU also - uses
260' Marconi-50' High-has 10 Countries/30 states - FB pete --- G3RAU/DEREK: VO1BD,
W1BH, 3GQF, VE2UQ, (11th)W1AW. Rebuilding Rx w/extremely quiet high gain tubes - make
real diff. --- DL1FF:WCC.W1BB/1, BHQ, TX, WY, 2KQT, FYT, GGL, VE1ZZ, 2UQ, 3EK, 8HRV ---PYswl
RASP:W1BB/1, TX-2GGL, FYT, MB, 8HRV, K9EWC, K6HXT, 6YAXG all 56/79 but ND Eu Band Noisy-Tn
GswlIBALL:W1BB/1, VE2UQ, 3EK. "Not a G cld in W/VE band-Cheers!!"--- GswlQUEST:W1BB/1
BHQ, TX-2EQS, FYT, GGL-VE2UQ, 3EK-6YAXG, OH2YV/ø --- GSPG:W1BB/1-2GGL, FYT, VE3EK, AGX, 2UQ-
"Sum W/Ves Tail Ending BB-Had SWL crd fm HA - wkd OH2YV/ø Country No. 10-FB!!! ---
GswlSMITH:W1BB/1, TX, VE1ZZ, 3EK-W2GGL.Txn Norm.

THIRD TRANSATLANTIC DX TEST 5JAN64:>::: Again, Tests lucked in on good cdx even tho
WWV, "U4", with many Eu/W/VE QSOs-Eu had bd QRN-both rapid QSB w/gud peaks ---REPORTS
:::W1BB/1:DL1FF 2309z, his earliestW/Ve, OH2NI, OH3NY, GI6TK, G3ERN, OIT, OQT, ORP, BFP, RTH,
IIO, SCP, RJI, RBP, TR, ICW, RCX, OUV, PU, RFS, 5RI, LR, ZT, 6GB, GM3PBA, GW3FSP, "Vy busy AM" ----
W6VXO:6YAXG, HR3HH --- K5TEG:DL1FF/459!! G3GRL/449!! --- K7HDB: No Dx --- GswlIBALL:
W1BB/1 - "Whats become of W1LYV???" --- OH3NY/Matti: No W/VEs band full strong QRM
--- GM2BUD: W1BB/1, 559 --- GSPG:BB/1 --- VSILP EXCITING NEWS!!!: Hrd DL1FF 57/89 &
W1BB/1 119/229/349peak QSOing Armin - also hrd G3OIT 55/79 "Was great thrill to hea
my first W on 40, 80, or160!!! Even on 20 only hear W1 once in a blue moon!! Using
Collins 51J4 Rx - 1/2 wve inverted V 80' at Apex - FB/Bob'.. --- G3RFU:VE3EK, 9A1VU.
"Putting up 60' top loaded vert w/4 1/4 wve radials-VFB!!!- --- OKswl-1-8036/Panda:
W1BB/1.469-OH3NY, 9A1VU, OH2YV/ø --- G3GRL: Tx failure - hv balloon ready fr TEST.

SUMMARY/LOG 29dec63::: Band was wide open & "HOT" 28Dec 2200-2400 & Expected 4.
same this morn-however did not come true-cdx onli fair-cloudy,28F, calm - a few
'routine' QSOs ensued - which shows how fast Cdx can change on 160 -Yest.FB/Nw-ND.
REPORTS::: W8GDQ: VE6WW,4RO-W7UFB,Wa6IKM,GJW,K6EDE-"Band FB/West,S/ND,E/ND" ---
K4WA:Ve6WW-Wvy bsy 160 daily ~~28DEC~~ 28DEC hrd G3PU" ~~28DEC~~ "G3NXV wl visit me Jan -G3RS
G1... stn w/ 1/4 wv Baloon ant al CQ/WW/TEST w/ops G3GVA&NXV"!! --- DL1FF:0400/700 h
W1BB/1 w/Rx ant only-Tx ant dwn -after got new ant up at 2330 Armin was hrd by VS1L
G3PHO:ZBLEK ----- Yesterday 28/Dec VE6WW,1996k on Nice Quiet Farm QTH created n
nice star by opening up Alberta to 160 QSOing W2EQS,FYT,IU,1BB,EFN,VE2UQ and otrs-
tx Walter!! ---W4OQT: Birmingham ALA also gave W1BB,DMD,2EQS,3CJT new State!! Tnx
Tom --- VS1LP: hrd DL1FF,569,2250z-no QSO - quite a few Eu QSOs 2200-2400 GMT.

SUMMARY/LOG 22DEC63:::Late opening but good then - East Coast Wx clr 19F calm ---
REPORTS::: W1BB/1:G3GRL,RFS,RRU,RBP,RFU,OQT,RJH,RRF,PVA,RKA,LIQ/A,5JU,6QB,DL1FF,OH6
NI,OH3NY ---HB9CM/Philo:VE1ZZ 1st '63/64 Crossing!!! W1BB/1 --- Gsw1SMITH:BB/1 ---
VS1LP/Bob:G3GRL,579,2243z-DHJ,239,1830k,2240z ---Gsw1LIBALL:BB/1 ---DL1FF:BB/1,VE1ZZ

SECOND TRANSATLANTIC DX TEST 15DEC63-----This was one of the best nights on the band
for a long time, with many many DX QSOs with Eu sigs getting pretty well WEST.
REPORTS:: W8GDQ:6YAXG,VE4RO,HR3HH,DL1FF,G3PU,G3GRL,OQT,RAU,RBP --- Here's a dandy!!
VE4RO:G3GRL QSO!!! Congrats!! ~~XXXXXXXXXXXX~~ ---W8CRJ:G3PU -- VE3AGX:G3PU --- W4BVV:
G3PU -- VE2UQ:G3GRL,G16TK,&otrs --VE1ZZ:OK3BA,HB9EO,&otrs -- W2EJS:G3GRL -- W4FMA:
HR3HH,6YAXG -- W2BYM:G3PU -- W2KHT:G3PU -- W6SDN:HR3HH, also furthest West Hrd rpts
on Eu sigs to date G3GRL,349-G3PU,229-vfb!! -- GM2BUD:BB/1 -- GM3NY:BB/1 -- W1TX:
DL1FF,G3RBP,GRL --W1WY:G3PU,GRL,RPD,OQT,RBP,RAU,6BQ,G16TK,DL1FF -- W1BB/1: OK3BA,
DL1FF,HB9EO,OK2KGV,KIM,G3RBP,GRL,TR,OQT,RAU,KBP,GRL,RJA,LIQ/A,6BQ,HR3HH,VE4RO,DHJ/5
G3GRL:BB/1, TX,WY,K1LJK,2EQS,BYM,KHT,IU,GGL,K2DGT,3CJT,K6RRH,K6WPK,VE2UQ,3BWY,ACK,BWY
4RO - sure vfb string - 18 w/ve!! Congrats John, especially VE4RO & K6WPK!! --Gsw1/
QUEST:BB/1,2GGL,VE2UQ -- OKsw1-1-21234:BB/1,WY, TX,BHQ,KQT,K1LJK,2EQS,VE2UQ all 349/
--- G16TK/Frank:BB/1,WY, TX,K1LJK-2KQT,GGL,EQS,KQT,K2DGT,VE2UQ,VE1ZZ,K8EVG/569"Cl
K8EVG many many times-no Ans-sum Ws must hv Rx trbls-I ans many CQs but ND -5A3CJ
le as for MP4 so we lose him on 160 - VP8QJ nw gone - starring Jan,I'll CQ 0650-71
on 1827,QLH 1800/20k --- OKsw12-8036:BB/1, TX,WY,BHQ,K1LJK,2KQT,BYM,GGL,K2DGT,VE1ZZ,
2UQ-all 459/569!!Tnx --- Gsw1SMITH:BB/1,WY,2GGL,KQT,OH6NI,GC3EML --- ANTIOCH DX SOC
/W6JTR went to Pioneer Calif 15TEST Transatlantic - hrd HR3HH,449,0715 & many E Coast
stns - wl hit CQ TEST hard as /6-trying "Top" W6ML - vfb/Jim/Wa6GJW/Tnx/Luok!!! ---
GM2BUD:BB/1 --- GM3NY:BB/1 --- OKsw12-4179:BB/1 ---OKsw1/1-21020:BB/1,BHQ,K1LJK,
2KQT,BYM,GGL -- G3RBP:BB/1,Tx,WY,2IU,3CJT,4BVV,VE2UQ,HR3HH/579-8GDQ,6VKO,VE3AGX-VFB
Gsw1ALLEN:BB/1,BHQ,JJS, TX,WY,K1LJK-2BYM,EQS,GGL,VE1ZZ,2UQ --- DL1FF:BB/1, TX,WY,K1LJK
2BYM,GGL,KHT,EQS,IU,KQT,K2DGT,VE1ZZ,2UQ,3AGX-4RVV,6TIS,8GDQ,VE4RO "Best Dx nite this
yr Got S9-mostlyS8-lowest Rpt S5-vfb ARMIN!!! --- ISWL/G10777/Dave:BB/1,K1LJK,WY,VE
2UQ,W2GGL -- GW3FSP:BB/1,8GDQ/579,K8EVEH/588,W6VKO/579 at 0800 -- OK2sw14179:BB/1 --
G16TK:BB/1,WY,K1LJK, ~~XXXX~~,DGT,3CJT,VE2UQ,VE4RO,HR3HH --- G3RAU:BB/1,K1LJK,2KQT,GGL,
8GDQ,VE2UQ,3AGX -- G3PU:BB/1,WY,K1LJK-2GGL,KHT,K2DGT,2BYM,4BVV,8GDQ,K8CRJ,VE1ZZ,3AG
5N2JKO:BB/1 -- HB9EO:BB/1 --OK2KGV:BB/1 --G3PHO:VE1ZZ -- OH3NY Matti: BB/1,2GGL,BYM
VE2UQ -- 6YAXG:W4FMA -- HR3HH:W4FMA -- G3TR:BB/1 --

MISCELLANEOUS TOP BAND NEWS ITEMS

GM3NY/Walter QSO'd VP8QJ 6Dec 0019 for FIRST!!! ever GM/VP8 on 160,per GM2BUD. ●
"GUS of 160"-K1KSH/"Sparks" Lunney who made DX history fm KG6/Marcus,& Marianas,&
as VK9GL is home until Feb 18th - next assigment prbly ETHIOPIA - wl Check 160 Ther
W3AJS/Chas since 8SEP wkd FPSAS,VP8QJ,W4W CQ/VP9,K6HXT/7,G3GRL,HR3HH,sez"Is Vermont
in postal union?? No QSL in 20 Years!!! Congrats Ed Fb wk a sir abt QSL!!! ● VE5JE/
Alan 1990ke active nw and then this yr-student U of SASK. ● HAPPY NEW YEAR!!!!---
G3GRL & W1BB/1 QSO'd the New Year "INB 31DEC63,2445z thru 1JAN64,0015z sigs peaking
S8 both ways and wishing each other oodles of 160 DX!!! Then G3IGW & W1BB/1,
"Started the New Year right" with QSO 0020-0033z - others hrd:G3RBP,FQA,SKR,G16TK ●
K7...K/Maury QRL school/cuts his 160 Dx - new Elmac PMR7,Ranger Tx & nw looking fr
ZL3RB!!"Cdx btr than last yr believe altho sigs really stronger last Summer -K7ZIP
hr on - I wkd many Ws inc W3CQF,2UWD,IU" ● K7HDB/Dick New ADCOCK ant wl B QRV CQ
Test-wkd VE4RO w/half of it-noise reduction & Discrimination vy gud - getting good
rpts - suggests top 5Kc be kept open for CW 1995-2000Kcs and DXing as has been done
traditionally for sum yrs - some phones forgetting this" ● W6ML/VS1LP skeds 1430-
1500z 1996 & 1827Kc - Alex Was hrd by Bob 7DEC,279.

K5TFG/Dick w/Ranger, 5/2 wv dblt on a 160ft city lot wkd HR3HH, 6YAXG, VB4RO sez no QRM or LORAN-band quiet - Hrd DLIFF & G3GRL!! has wkd 30 states 160 - vfb!!
W6ML/Alex still suffering w/high noise level - curtails DXing - sigs get out OK but not "in" - Sri-Alex!! ● PYSWIRASP "VP8CQ sez VE2UQ has best sigs of any W/VE -
W1BB/1 and K2DGT & Otrs hrd" -- I (Rasp) Confirm this rpt 22Dec hrd VE2UQ, 549, BB/1
4 - am especially lkg for Dx 1625-30. Dont think Cdx what they shud be for 11 yr cycle here PY/land - believe Cdx btr 1961 ● G6QB/Tommy/SWM "Nov 24 vfb W/VE SUNSEI opening 2230;; G3GRL, RBP, RRF, ORH, SCP all crossed working W2BYH, EQS, IU, VE1ZZ, 2UQ" FB
GswlALLEN "Cdx arnd 2230z - using ferrite Rod Rx Ant - wks wonderful - avoids hvy QRN/QRM - Dec 15 best date - thot 2Mc wud open/NO-hrd W8s tho - DEC1: Hrd BB/1, TX, WY, 2EQS, GCL, kht, IU, 3AJS, VE2ATU, UQ - DEC5: Hrd VP8CQ/449 his last fling before comin home - what a grand job he has done - sometimes I wonder what is coming over boys when I listen to their antics - when a choice bit of Dx comes on - they all park on his DX fy elg etc and then get mad w/each other when they find they are smearing one another - and of course the DX too - they never seem to learn, Stew"!!!
W2EQS/Chas had a bad fall - broke several ribs - home 3 wks -vy painful however!! now bk wk - we are all happy it wasnt worse and chas wl b 100% OK sn - vy sri Chas!
● Wb2HAL/KGI/Greenland interested 160, but not allowed/Greenland - wl listen & report sigs fm there - however returning USA shortly-doing Ionospheris Research. ●
W6VXO/6/Herb Moved QTH other side town to escape B.C. Birdies, did, but gained noise --now west of Mississippi River w/ W4NW, (Only W Ham West of MISS.R. to wk Eu on 160) - hrd HR3HH - has new inverted Vee 90' at apex/15' at ends - Discontinued his RADIOBEACON established to check Ionosphere Cdx - had many interesting cooperative signal reports - thanks all - wl be interested comparative signal rpts his new QTH compared to old if anyone remembers ● VQ4HE now 5Z4HE/John (Ex G8HV, 1936) is interested 160, sez onli 10w allowed in KENYA, QRN terrific. VQ4IV not on 160 yet VQ4IN away on Kuria/Maria DxPediton/Arabia -VQ4Q has no antenna - b.c.n.u. John.
● G3FOA/John has new vfb Rx w/Matching Unit -- he made VFB recording last year of DX signals - has wkd 29 Countries!! ● G3PHO/Peter has had sum FB QSOs this season VE1ZZ, PA, FN, OH3NY, OH2YV, VP8CQ, 3A2BZ, ZBLBX, 9A1VU, W1BB/1 - now 23 Countries!!! ●
5 ● J(GM3MBS)Steve now home awaiting assignment to new exotic DX spot--hope!! ●
OK2swl3839/Joseph hears many Dx stations w/German Rx and 40 Meter vert Ant - Includ VE1ZZ, 2UQ, W1BB, WY, TX, 3AJS, 4KFC, 5N2JKO, VK9GL, VP8CQ, KG6AA ● K9GSD/Jeff wkg w/ves FB w/New inverted L 50' High in tree after throwing wooden ball and rope for 2 Hrs ●
● W5SOT/Chas "Hopes for DX this season are dwindling/all sigs over 900 miles vy weak here - havent hrd DHJ at all!!! wkd W2IU/6. VEs hv gud sugs but cant wk them - Sri Chas - things wl be better!! ● G5NXV on USA Business trip in Jan, visited W4FMA also W2EQS ● HATS OFF AND CHEERS TO THE SWLs who have been doing their usual fine job Gswls, Bob Iball, Norman Smith, George Allen, Anthony Quest, and PYSwl Rolf Rasp, to say nothing of other OK, W, SWLers etc - thanks a lot fellows.

CONDITIONS or ANTENNA??? or ACTIVITY??? W1BB's yearly QSO records for DIFFERENT number of stations worked each season - (NO REPEAT QSOs) is as follows 54/55-19, 55/56-26, 56/57-20, 57/58-10, 59/60-5, 60/61-11, 61/63-34, 62/63-34, and for this season thus far 1963/1964 to date, January 31, with about 5 months to go, have already worked 99 DIFFERENT Dx Stations. SUNSPOT CYCLE??ACTIVITY??NEW INVERTED 260 ft high inverted Vee??? A large percentage of these are Gs - and it is noted that this year, all told, there do not seem to be as many Countries on. Believe that conditions ARE better, and the new antenna BOTH Contribute.

OH2YV/6-John REPORTS on HAMMARLUND DXPediton wkd approximately 200 160 meter QSOs all told - in addition to many on the other bands. Is leaving his Antenna, and A Tx for friend OH2NH who is skilled operator, and whom he interested in 160 while there - he has BC348 Receiver - and after putting the antenna high as possible will be on 160 -- wl be VFB --Frequency limits in OH6 are 1820-1845 and 1915-1955 and maximum power input 10 watts - says OH6 area very magnetic and that causes severe QRN on 160 at times. 160 interest increasing in FINLAND also - OH3NY the original 160 meter DXer is very active, also OH2HK, OH2NB and OH2TH also have licenses. OH2NI, Sigge has also been quite active this season in OH6/ land working many stations. Thanks John - Congratulations FB Dxpediton.

Guess that's all for now fellows - 73 and until next BULL DX!!!!

April 9, 1964

PYswl/Rolf

Thanks so much for your two nice reports March 2 and March 10th
See page 6 herein ----The quarter wave antenna that is not quite vertical should
should be all OK Rolf in my estimation - but it would work best slanting AWAY
from the direction you want to work. However the buildings you mention could
give a lot of trouble. VE2ATU said he heard PY1NFC calling this season but he
did not answer him or anyone else. ---- Yes - 160, is going down ---- I think
that motorboat and transistor radio is a GRAND deal and hope you have a lot of
fun with it this summer - please give my regards to Fred and happy that he has
heard W1BB.1 this season.

This is my "SIGN-OFF" for the season - must fix up the boat and
sail it - paint the house - open up the farm and vacation there a bit - and
other outdoor activities - however will keep an ear to 160 for anything special
and hope for some schedules with new Countries!!!

I want to thank you for your patience and perseverance and the nice
reports you have sent this season - and do hope to hear from you again next.

In the meantime - have a real HAPPY SUMMER with lots of nice SWLing
to you.

73 de Stew/W1BB and thanks a million for everything

Stew

Please excuse the delay!!!

MARCH 15 1964

W1BB - 160 METER DX - BULLETIN

1963/1964 No. 4

de BB/Stew --- Well fellows!!! This season is most over - it has been a very good
one - some fine TRANSATLANTIC DX TESTS, a superb CQ-160-WW-CW-CONTEST, and many very
good to excellent "In-Between" times, DX Conditions. --- Many, who have never before
made "Transatlantic", or worked DX on 160, have done so -- Some rare and exotic DX
spots have been visited by roaming 160 DXers, or DXpeditions -- New records have
been established - old ones broken --- "SUNSET" DXing to Europe has been added - the
technique in ANTENNAS has advanced - ALL States are on, making WAS possible - New
Countries have opened up 160 - All in All, this IQSY season has been an exciting and
interest packed period for DXing on 160 and generating much of the same thrill
experienced by our early Amateur Pioneers. --- As summer approaches, while some
special DX work will continue, 160 DXing generally will give way to other pleasurable
outdoor activities -- this change only enhances the experience -- then next fall,
we'll be back and at it again in full swing. Low Sunspot Numbers are predicted to
continue another year or two so we shall no doubt enjoy and get more out of this
sunspot minimum than any previous ones. -----SOOOOOOOOOO while generally saying
"Adieu" for the summer - we'll nevertheless B.C.N.U. next fall again, all full of
Pep-Vim-&-Vigor, for another season of "Adventures with 160 DXing" !!!! -----
APOLOGY - Please, again, excuse delay on this BULL - "Snowed-Under", figuratively
speaking - however, as the saying goes - "Better-Late-Than-Never" - Maybe?!!! -----
IMPORTANT!!! - Reference reports of activities of stations for specific dates & Test
like a certain Sunday Morning/TRANSATLANTIC TEST etc - these reports are as accurate
as possible - usually pretty good!! ---100% Where station itself sends in a report
out with some chances of error where information is received indirectly. --- All
known W/Ve station activity is reported, based on either direct or indirect info. ■
DX station activity, however, is only reported, with a few exceptions for unusual
cases, when the DX station sends in a direct report to W1BB. DX/DX QSOs are treated
special. Thus if W1WY works G3GRL, OELKU etc, this will be reported under W1WY's report
and no special listing of G3GRL having worked W1WY, or OELKU having worked W1WY
will be listed-UNLESS G3GRL and/or OELKU send in reports - in which case it will be
listed again. This makes it necessary for DX STATIONS to scan the W/Ve reports for
record of their own W/VE QSOs with various Ws etc - rather than having a special listing
of their own - unless they do send in reports. This saves considerable "Duplication"
I hope this is clear!!!

73!! de Stew/W1BB and HAPPY SUMMER!!!

1964 February 1

160 METER "HIGHLIGHTS"

March 15 1964

DURING THIS PERIOD three weeks of it was sub-normal, rest of the time, conditions were pretty good and much DX worked. Generally speaking it is believed, by WIBB and some others - that Conditions are better than last year same period. Participation in 160 meter DX has been quite high, but tapering off now as summer approaches,

TRANSATLANTIC DX TEST No. 5 - Feb 2 1964 - Started poorly, but wound up in a "Blaze of Glory" - long skip set in quickly - many DX QSOs and G3PU crashed thru for what is believed the FIRST/EVER!!! EU/W6 160 QSO w/Alex/W6ML, topping it off with QSOs K5HRR/Texas, W6GDH/Kansas!!! GYAVZ/Dev wkd DL1FF, G3OLI, PJA & almost GI6TK!! Many other Eu QSOs w/ W8, 9, 6, Ves -- 160 apparently living up to ICSY predictions - Many Congratulations!!! to Alex and Ern for their outstanding FIRST/EVER W6/EU !!!!

TRANSATLANTIC DX TEST No. 6 Feb 13 1964 - This LAST Season's test was POOR - only a few W/VE-DX QSOs -- GYACZ the star performer was getting into Eu real good - wkd G3RFS, GRL, DL1FF, GI6TK, VP2VL!! WIBB/1 wkd GYACZ, G3GRL, GI3JEX, VP2VL, HB9CM - W1NEC wkd GYACZ/hrd DL1FF --- Other Participants HK7ZT, XE1OK, G8PG, OH3NY, G3JML - W1TX, BHQ-K1UMD, OOV, NDE-2KHT, FBA, FYT, TMG, EJS, BH, IU, GGL-K2CSQ, GUN-3GQF, PAP, PMV-K7ZIP/2-8ERQ, GDQ-K8MBI, K9BZL, VE2UQ, PYswIRASP, GswLALLEN. Sorry to end poorly - but all other 5 tests "AOK".

FIRST/EVER!!!! GI/HK QSO 7 March 0630Z GI6TK/339-HK4EB/569 CONGRATULATIONS, VFB!!!

OE-AUSTRIA NOW ON 160!!! (Tx G3RAU) BANDS 1823-38, 1854-74, 1879-1900. Power 16 Wts dissipation. Active is OE3LI/Chris who QSO'd many EUs and made FIRST/EVER!!!! OE/W 160 Meter QSO with WIBB/1 (Alerted by PA4PN) 0050 8March'64 OE3LI/339, WIBB/1/559 CONGRATULATIONS CHRIS!!! Nice work. OE1KU has also wkd many EU 160 stations.

SICK LIST/DL1FF/ARMIN sorry to report - suffered heart attack 21 FEB - accounting for his noticed absence from air - in hospital several weeks - home about Easter - w/ hve full recovery - listens to 160 in Hospital/ transistorized Rx - hrd OH3NY & Gs etc. Anxious to get back to rig & DXing. YL/jr op Birgit advised BB/Armin also wkd - sends regards to 160 DXers - ARMIN we are all very sorry and the gang all sends their best wishes to you for a speedy recovery - that VFB signal is missed!!!

CONGRATULATIONS G3RBP vfb DXing-94 DX QSOs then Feb 9 w/10 Watts using 275' l.w. peak height 61' - believes condx not as good as '62/63 however. Prodding YULAD, VP6J

W/VE SUNSET DXing Originally suggested and recommended in 1962 by G5JU, the period 2200-2400-0100 GMT has been given increasing attention this year - resulting in many additional transatlantic DX QSOs. Jerry is to be complimented for uncovering this new period. VE2UQ, WIBB/1 and others actively opened it this season. Formerly the period 0400-0800 was used almost exclusively. Many Gs who never "Crossed" before H

OUTSTANDING DXing BY VS1LP/BOB SNYDER (Ex EP2BK) SINGAPORE!!! is making 160 meter DX HISTORY!! His FIRST/EVER!!! VS/W QSO w/W6ML 26 JAN (See BULL #3) followed by QSOs with KR6ML, G3GRL during ARRL TEST and partial contacts with OK2QX, W6YY. THEN!! on 23 FEB 2325-2345 QSO'd WIBB/1/339-VS1LP/339 peak - for FIRST East Coast Contact, after many weeks of schedules including two other partial contacts. Concludes BOB in his detailed accounts of his TESTS/OBSERVATIONS from Singapore ----- "My Conclusion is that given the proper combination of propagation conditions, low CRN level at each end, correct choice of time of day/night, sunrise/sunset, season of the year, and point in sunspot cycle, (Combinations which DO exist, if you wait long enough for them -, and things are lined up to take advantage of them) there are no two places on this earth between which communication cannot be carried out on 160 Meters, utilizing the power inputs, types of equipment and antennas available to Amateurs" -----, Bob's six page account of his TESTS/Trials/Tribulations is too long for reprint - more later. The contact with WIBB/1 was established by carefully observing peaking times of WCC 2036Kc 24 Hour Commercial CW station, 60 Miles from WIBB/1 CTH and then synchronizing schedules with peak conditions - which incidentally varied in time with the advancing season, and would last for only 5 to 10 or 15 minutes maximum.

VK/ZL STATIONS NOW COMING THROUGH - look for them between 1000-1200 GMT Sat/SUN especially - but also week-days - ZLs 1876 Kcs - mostly VKs near 1800 ZL3RB, ZL3OX, VK5KO and others known to be active VK5KO 1808 w/ be on weekends thru April, 1100-1200 GMT (W8GDQ)(W8FPU)

Best wishes for HAPPY DXing - 73 de *[Signature]* W1BB

"CONDITIONS" de W6JIN/JIM -- "Feel Cdx to Eu not as gud this yr as 1st - wk'd 3.5, 1.8 as cycle declines/certainly more Dx wk'd but believe becuz of increased activity-cant argue point on 1.8 but W6FGX & I both use full size beams on 7Mc/past 3 yrs Dx gets worse-hrd vy few JAs this yr/1st yr more & yr B4 many more/Eu 7mc sez same - 3.5 to Eu this yr worse than 1st yr - the same seems to apply to 160 - at least fm W8 standpoint-W2FYT/Tony seems to go along with this too - could be long haul stuff suffers - S.A. Countries doing well as ever 7, 3.5, 1.8" - Thanks Jim for some provocative thought - how about comments from some of the other 160 DXers????

EXCERPTS de VS1LP/Singapore-Asia-RE CQ-CW-160-CONTEST REPORT, (Courtesy CQ/W2DTS) --
"Worked KR6ML & G3GRL 100% - Half Contact w/ OK2QX, W6YY-Right after test wk'd W6ML - These represented my first contacts after weeks!! of Frustrating unanswered mails - KR6ML & G3GRL are FIRST/EVER!!! -Wkd 3 diff Continents less then 24 hrs on 160!! - A memorable and exciting weekend - propagation Cdx were excellent! Hrd literally dozens of EUs 2200-2345z, DL1FF, DL7AA, OK3AL, LZL, 2QX, 1EV, 1SU-G5ZT, 2LB; called all but unsuccessfully - this time year QRN terrible evenings! W6ML hrd S7, W6YY also S-7, both @ 1359Z - 160 at mercy Cdx fr long haul - often Gdx Gud one day & NG nrt - JANE 2310/2327 Hrd W1BB/1 349 CSO w/DL1FF/589, and guess who they were talking about - VS1LP!!-Feb 5, 6, 7, Cdx best ever hrd them, quite possibly may never hr them tt gud agn- FEB6 Markers DHJ/1830 pealing 589 - and WCC/2036 559 @ 2320z!! Unfortunately, no DX 160 hams on then!! VK&ZL boys conspicuous by their absence during TEST-QRN?"

PROFILE OF A HAM - W2IU/SAM TAGGART - ardent 160 DXer. (Courtesy WA2RGK/S.C.A.R.A. NEWS) - SAM is known for his outstanding antenna system - He calls it an "UPSTANDING system - a 131' high tower - top loaded & w/ 60 radials, resonant 1500kc -Base Insulated @ w/ SWR 1/1 "On the Nose"!! Viking II Tx w/sapactiance load/reduce pwr to 50w fr 160, w/ special 160 "Matchbox" home/brew - fixed Cdx at tower Base tunes out the inductive reactance - good as it is, "Sam" feels his 370' L.W. fed by "HOT" feeder, some better. Fred sez " The afternoon I visited Sam's QTH (Antenna Farm with house attached) he was cuming in fm hike w/ FRENCH BULLDOGS - has 1 Boy and 5 Girl Dogs - Two of his hounds hv beat Champions- been "Shown" Coast to Coast never finishing less than 2nd!!! One has won 80 Ribbons, & One "Best of Breed" at Phila. Kennel Club show - best win!!! Sam even mixes up GOLDFISH and has bred a new Color!!! This very versatile HAM played his ORGAN to Me & XYL in a manner befitting E. Powers Biggs!!! Familywise, Sam has a son w/1 Son - Daughter w/3 Children - all in Calif. - Two brothers (One who hasnt seen the light) and the other K6GYK - to show how well know SAM is this summer while operating his brothers rig 7 out of 9 QSOs said to W2IU/6 "Hi Sam - what are you doing in Cal??" Brother uses rig Sam built him 1936 (But w/ little TVI!!!) ----- SAM, electronic Engr w/ FAA 29 Yrs - wks on VOR (Veryhi-Omni-Range) to guide planes in flight - Graduate Butler University -ACCOMPLISHMENTS::::
FIRST post-War 160 WAS::: First to work 50 States (Fm 2 QTHs)::: Wkd 47 States fm Absecon only needs S.D./KH/Mississippi for WAS::: 32 Countries::: WAC, 160/60/20/15/1 Wks Art Collins W6CXK 1924::: Charter Member A-1 Ops Club, abt 100 started Club-FEB 1933 QST::: Called K6ZK many times last 30 yrs/NO QSO yet::: Rapid TRAFFIC handler in Indiana/Ohio formerly:::Rarest 160 DX QSO-RF2BK/Iran!!!!. What else is there for Sam?? Wants buy lot next door (For Guy Bases), raise tower 30' to make 250' slantwise each side of inverted Vee Full Wave!!! With pulleys at the top, he could move the base of the antenna wire and point the RF in any direction!!! VFB SAM!!!!
RECEIVING TESTS or "You have to hear 'em in order to work 'em!!! de W1BB --- Many Hams do not hear DX others are working. This is due either to Local QRM/CRN - poorer antenna - poorer receiver, or operating ability. Assuming today however, that most receivers about the same sensitivity and ability on 160, and that most HAMS know how to get the most out of it - the matter boils down to Local QRM/CRN noise level, or antenna, or both. ----- W1BB living in a thickly settled neighborhood, (Boston), has been bothered for years with local electronic noise blanket, plus the fact that while using a GOOD antenna, it was much below the optimum height. The new W1BB/1 inverted Vee at 250' (Optimum) height, and in quiet location, permits hearing many weak signals that heretofore were not audible. We have ~~worked~~ worked from /1 this season, 137 Different DX stations to date, (in 24 Different Countries) Vs. 31 for all of last season. Although part of this improvement - 1/3rd??? - is believed due to improved conditions with the low sunspot numbers - primarily it must be that the antenna and it's location are better. Typical, of several remarks from 160 DXers

within 150 miles of WIBB/1 are these two --"Been listening to you wkg 160 Dx for 4
past hr or so. Practically crawled into the 75A4 but couldnt hear a thing!!! Man,
it's something the way you hear that stuff" ---"Your new Antenna must be something!
and what a joy to get such fabulous results. You pick 'em out now, when no one else
even knows they are there". (It IS a real pleasure and satisfaction, after all these
years of frustration when others could hear 'em and WIBB couldnt, many times!!!)
SOOOOOOOooooo to test out the difference qualitatively if possible, between the NEW
1/WIBB antenna, and the OLD Home QTH Antenna, (which incidentally has been considered
the BEST possible to construct in the HOME QTH), these tests were conceived. At
sunset time DX Opening 2300-2400z friend W1BDU operated the HOME QTH WIBB Receiver
while myself operated the WIBB/1 set-up. At each place the receivers were identical
the same. Boardy, W1BDU, incidentally, is an experienced CW DXer and has been
outstanding for his ability to pick out and read weak marginal DX signals - in his
earlier days, won contest on most heard DX etc. My opinion - "IF Boardy cant hear '
'em - no one can!!!". WIBB Home QTH and WIBB/1 are less than a mile apart, airline.
WIBB Home has doublet w/ open wire 600 Ohm feed, 45' high over excellent ground -
while the portable WIBB/1 has inverted Vee, apex at 260' over a salt water ground
plane right beside the Atlantic Ocean in quiet spot. --- RESULTS::: WIBB heard and
worked at strengths 339 to 549 G3RFS, G3QA, G3RRF, G3RBP. W1BDU at WIBB's HOME QTH
with maximum endeavor, was able only to hear a few dots and dashes from the first
and last stations 'SO'd - incredible but true!! --- This was a very convincing test
and explains why some HAMS have said so and so is working DX on 160 but I cant hear
it!! --- WIBB is now convinced that also, in addition to a location away from
habitation, to get away from man-made noise - that there is such a thing as getting
the antenna HIGH ENOUGH to actually be ABOVE this man-made electronic SMOG that
blankets heavily settled areas - believing that it may in fact hang fairly close
to earth - a relatively thin blanket - because with WIBB/1 only a mile away from
WIBB/HOME QTH it doesnt seem there could be as much difference as there is in the
noise level - it must be that the 260' height VS the 45' height at home, puts the
antenna ABOVE some of it. Any comments or theories on this gang???? It MUST be kept
in mind that tests such as this are only applicable to stations geographically close
by at a given time BECAUSE skip conditions on 160 are such that at a given time a
DX station may be heard at one QTH while 300 to 500 miles away it will not - or will
be greatly weaker, because of the difference in ionospheric reflecting conditions,
which are continually varying. (Although at times may be hrd equally well at both)

WIBB SUMMARY LOG

WEEKEND FEB 1/2 --- 5th TRANSATLANTIC --- (See p2.) WIBB/1: G3RFB, RBP, PU, OLI, POA, 5ZT,
DLIFF, OK2KET (his 1st W), G6QB, 6YACZ, HB9CM, GI6TK, Wa6ATY --- W2IU: DLIFF, GI6TK, HB9CM, 6YACZ
G3PU, G3RBP, G6QB. --- VE2UQ: DLIFF, G3RRU, HB9CM, GI6TK --- VE3ATU: DLIFF, 6YACZ, PYINFC, GI6TK
W2KHT: DLIFF, GI6TK, G3OLL. --- VE1TW: G3RBP --- W9PNE: G3OLI, POA, PU, 5ZT. --- W8HRV: G3OLI, RBP,
RPU, GI6TK --- W1ZL: DLIFF, GI6TK. --- 2GGL: DLIFF, G3RBP. --- W0RHI: 6YACZ. --- W3GCF: HB9CM, G3RFS.
VE3BWY: G3OLI, RBP, PU, POA, GI6TK, G5ZF, JU, CE, DLIFF, 6YACZ "New Rt angle 1/2 Wv 65" hi ant
wks fb - this QTH wonderful - gg COLOMBIA Feb 6 meet HK4EB" --- K2TMG: GI6TK --- W1BH: DLIFF
HB9CM, G3OLI, RBP. --- W2EJS: GI6TK --- W9EWC: G3PU, G3OLI --- W0GDH: YACZ, G3PU --- W1WY: GI6TK, DLIFF
G3PWA, RBP. --- W20WD: GI6TK --- K9WTS: XE1OK, G3PU, 6YACZ --- W3PMV: GI6TK --- W8FPU: XE1OK, 6YACZ --- W6ML:
G3PU!!!!, 6YACZ --- K5HRR: G3PU!!!! --- Wa6ATY: 6YACZ, WIBB/1 --- W2FYT: G3RBP --- W2KHT: G3RBP.
W2FBA: GI6TK, HB9CM. --- W2RUJ: GI6TK, HB9CM --- W5SOT: 6YACZ --- W4FMA: 6YACZ --- W4SAD: 6YACZ ---
K6HXT/7: 6YACZ --- Wa4MIY: 6YACZ --- VE3AGX: G3RFB, OLI, HB9CM, DLIFF, "DLIFF & G3PU Cmg thru 11
locals!! All home brew rig nr, 19tube Rx, VFO/813/140w-190' Lw-nr 400,000v Hi-Line
1/4 mi-like frying eggs mani times!! Ruff on Dx" Tnx Frank. --- W8GDQ: G3PU, RBP. ---
DLIFF: WIBB/1, 2IU, GGL, KHT, FYT, LWY, VE3BWY, 6YACZ, VE2UQ, 3AGX-8HRV, 2EJS, FBA, 1BH --- 6YACZ:
G3OLI, POA, PU, 5ZT, DLIFF, G3RFS, GI6TK, W6ML, RHI, 4SAD, Wa4MIY, K4FMA, 2IU, 0GDH, 5SOT, BB/1,
VE3BWY, K6HXT/7, VE2TZ --- "Operate fm Comm stn where I work - use soft keying - wkd C07
HQ/No QSL-Eu cums in early - never nade it across to G land fm home - thrill wkg bk
no - met Canadian ARRL Director hr recently - EA4AO (EXELIAO) & VE2UQ, & OH2YV were
Oscar coordinators" Tnx Dev. --- HB9CM: WIBB, BB/1, 2FBA, RUJ, IU, 3GCF, VE2UQ --- G3PU: WIBB/1,
2IU, K5HRR!!!!, 9EWC, W6ML!!!!, 9WTS, PNE, W0GDH!!!! --- GI6TK: W2BB/1, 2IU, RUJ, FBA, EJS, KHT, GGL,
UWD, K2TMG, 3PMV, 8HRV. --- Gswl/ALLEN: LBB/1, WY, PPN, HHT, 2GGL, IU, TPL, KHT, FB&, VE2UQ, ATU, 3BW
AGX-8HRV, DIR, 9WTS, 0GDH --- "Lots stns weakly audible 1800-10 area-get periodic bad
frying noise arhd 0730z" --- OH3NY: WIBB/1, 6YACZ, -"Active Sundays 1832.5k 0400/0700 Had
SWL rpt de VE39301 rst 339 Clg WIBB/1!!" --- Gswl/IBALL: BB/1, 2GGL, FYT, UWD, EJS, 8HRV, S
2UQ, 3BWY --- "6YACZ 579 sure FB Sig!!" --- G3RBP: BB/1, TX, WY, BR, 2IU, FYT, GGL, 8GDQ, K2KHT

Gswl/ALLEN W2IU --- OTHER PARTICIPANTS: W8BG, ONWX, K9AOB, 2TFL, 8DIR, VE2TZ, G3JR, 5. ICW, RKJ, GQ, GI3PDN. All in All - this was an excellent TRANSATLANTIC DX TEST.

WEEKEND FEB 8/9 Wx Clr Cld windy after snow storm, few gud sigs G3RAU, RBP at first others missing - band spotty in/out G3PU wks W9PNE - at 0800 no W/Dx Band quiet - W1P: G3RAU, RBP, RKJ, OJT, JML, RFS 5JU, 6B, 3OLI, HB9CM, HK4EB, GW3FSP, GI6TK, 6YACZ--W2EJS: G3RAU--K2TMG: G3RBP--W3MGU: 6YACZ--W2IU: G3RAU, RBP, PU, OLI, JML, OJT, 6QB, 6YACZ, DL9KRA, IFF W1TX: G3RBP--W1BHJ: G3RBP, PU, 6B--K5V: G3RBP--W2GGL: G3JU--W9PNE: G3PU, G6BQ, 3RBP, OLI, SC W2KHT: G3RBP--W3GQF: G3PU, 6YACZ--K8VXX: 6YACZ--W9MFM: 6B8GZ--W8JIN: DL1FF/579/0600--G3OLI PU, 5ZT--W8GDJ: 6YACZ, G3RBP, PU--"No sigs fm Eu until 0600@229-at 0700 readable 10 mins only!! AP2AR expected on 160"--W2QHH: 6YACZ --- 6YACZ: BB/1, 3MGU, 8GD, K8VXX, W9MFM, VE4RO--G3RBP: 1BB/1, TX, HQ, 2IU, KHT, W2FBA, 3BUR--GI6TK: 6YACZ, W1BB/1--G3JU: BB/1, 2GGL--DL1FF: "WCC only thing hrd"--Gswl/SMITH: BB/1, 2IU, EJS, 6YACZ--OKIAMS: W1BB/1--- OTHER PARTICIPANTS: W1ECH, WY, 2FYTEEN, K2GAL, 3BUR, BZN, K3CFA, 8IJI, OHN-5SOT, FLX, 9HUZ, -0ZZV, GDH W2FBA-VE2UQ, 4RO---DMJ/59-G3MJ3RFS, SED, DNC, OH3NY

WEEKEND FEB 15/16 This TRANSATLANTIC DX TEST No. 6 last one this season, was poor. Only a few W/VE-DX QSOs altho 6YACZ was getting into Eu OK. VE2VL on QSO'd G3GRL, HK7ZT & GI3JEX/W1BB/1 made it. ACTIVITY::: W1BB/1: G3GRL, JML, GI3JEX, DL1FF, VP2VL, HB9CM 6YACZ--W3PAP: 6YACZ--W2KHT: VP2VL--W2RAA: 6YACZ--W1JEC: DL1FF, 6YACZ--K9BZL: 6YACZ W2EJS: VP2VL--K7ZIP/2: 6YACZ, VP2VL--W2IU: G3JML, W2GGL: G3JML--W8GDJ: XE2OK--6YACZ: W1JEC, 3PAP, G3GRL, RFS, DL1FF, GI6TK, VP2VL, HK4EB, XE1OK, HB9CM--"Must build myself loran blanker pattern for Eu sigs evident now"--G3JML: W1BB/1, 2IU, GGL, VP2VL--GI3JEX: BB/1, 6YACZ--HK7ZT: VP2VL--VP2VL: G3GRL, HK7ZT, BB/1, 2EQS, KHT--XE1OK: W8GDJ, 5FIX--G8FG: W1BB/1, -"Stas on 160 signing OLLAA are CZECH NOVICE sths - can only QSO each other - GM3KLA now back in service but QRL family sickness"-Sorry!!!--OH3NY: 6YACZ, BB/1 -PYSWL/RASP: VP2VL, HK4EB--G3GQ: BB/1, 6YACZ--OTHERS ON: W1TX, KLUMM, COV, NDE, 1BHJ--2FBA, FYT, K2 GAL, CS, GUN, TMG, 3GQF, PMV, 8ERQ, K8MRB, VE2UQ-- Poor but not a complete washout!!!

WEEKEND FEB 22/23 A.R.R.L. DX TEST ---Condx again poor - some Eu QSOs mostly Gs under poor Cdx - some N.A. Dx YU5AGD, 6YACZ, HK4EB - wx clr cold 20F ---ACTIVITY::: W1P: G3RAU, BFP, FGT, PYI, OLI, RRJ, CMJ, STE, SKR, FQA, JML, GRL, RAU, 6BQ, ETQJ, GW3FSP, DL9MRA, HB9CM--VE2UQ: G3GRL, YV5AGD--W2GGL: G3GRL, RFS--VE1ZZ: G3GRL, HK4EB, DL9KRA--W1PPN: DL9KRA--W1TX: G3GRL--W1HGT: DL9KRA--W3MSK: G3GRL--W2KHT: G3PU--W1BU: HK4EB, DL9KRA--W8GDJ: HK4EB, 6YACZ, VE1ZZ, XE1OK, YV5AGD--K4HJJ: G3PU--W81CQ: XE1OK--K9WYO: 6YACZ--W2HUG: YV5AGD--W9HUZ: YV5AGD--W4KVX: YV5AGD--K5SVX: 6YACZ--K1LMO: YV5AGD--W2IU: DL9KRA--W9PNE: 6YACZ, YV5AGD --W2QHH: YV5AGD--K1KSH/4: YV5AGD, HK4EB "Called HK million times!!!"--W1PPN: DL9KRA--VK5KC DL9KRA: W1BB/1, PPN, BU, HGT, VE1ZZ, W2GGL, VE2UQ, 6YACZ--G3BMY: W1BB/1--6YACZ: K9WYO, G3PU, 9PNE, K5SXU, HB9CM, DL9KRA, CO7RM, YV1AGD--G3JML: W1BB/1, VE1ZZ, 2GGL, IU, LBU "Since I replaced 300' lw w/dipole hv bn doing fine - wonderful trip to GM w/GI3ICW CO/Test- big plans nxt yr"--Gswl/SMITH: W1BB/1, HGT, BU, 4DQS, VE1ZZ, 6YACZ--*OH3NY: HK4EB--"Much ARM!! but Central America is coming thru-Matti"--*PYSWL/RASP: G3PU, GRL, BB/1, BU--"160 going nw fr summer - also hrd VE2UQ, 4RO, HK4EB-Rolf"--*Gswl/ALLEN: BB/1, LBU, 2IU----- OTHERS ON: W1WY, ECH, 4DQS6UOV, HXT/7, K8HSU, GDH, VE2ATU, 3ABG---OKIACC, GW3JI, GM3OZB-Plus special report from G3PLQ/mm!!!! on m.v. "FRAHSU" at S&a Nr Sierra Leone FreeTown (9L1) Hrd G3RBP, PSN, SCP, BFP, ET9J, NYQ, W1BB/1 and others - unable QDO/Regs - but has done fine job SWling- many thanks and Congratulations John!!!

WEEKEND MAR 1st. -----Wx clr cold/band cdx quite good --- ACTIVITY:::*W1BB/1: G3OUY SCP, JML, NLF, OLI, RLF, PU-6BQ-8JR-GI6TK, 3PDN, P4W, HB9CM, GW3ITZ visitor K7ZIP/2-Tony, also at W1BB/1 key--W2IU: G3RBP--VE2YU: G3GRL--W2GGL: G3SCP, G3PU--W1WY: G3RBP--VE3EK: G3PU, GI6TK--W1BHJ: GI6TK--W8GDJ: 6YACZ, G3RBP, GRL, PU, -G3RBP 1st G hrd at 2350z period --- W1BU: HB9CM--VE2YU: G3GRL, G3RBP--G6BQ: W2GGL--*G3PEO: W1BB/1"using low exact 1/4 wve, 300 ohm ribbon 30' high-Eric" vfb!! --*6YACZ: HPIIE, HK4EB, G3PU, G3GRL--"Nw 16 entries, 26 states, 90 w/1, 6VE, 7EU-Dev" FB!! --*Gswl/SMITH: W1BB/1, BU, WY, 2IU, GGL, VE3EU, AGX--"W1BU 9PLUS!:-Norm"--HK4EB: 6YACZ--HPIIE: 6YACZ--OTHERS ON: W1ECH, 3GQF-GI3F4W, GW3ITZ, OKIACC, HB9EO--- participation seems to be dropping off a bit as spring approaches.

WEEKEND MAR 7/8 ----- Evening 7th produced VFB W/VE SUNSET DX Cdx resulting many W/VE QSOs 2300-0100 and a new country OE3LI appearing to QSO W1BB-- 0500-0700 Cdx gud many QSOs-VE5JE "Star" of the morning, Alan came on to give many Ws a new VE District - cdx holding up pretty well towards spring. -- ACTIVITY; ; *W1BB/1: G3SDP, RTH, SCP, OLI, RBP, SKR, NYQ, OUV, SDP, OQT-GI6TK-GI3PDN, RAU-VE5JE-VE5JE, 6YACZ, G6BQ, DL7KRA W2VEH/4: G3RAU--VE2UQ: VE5JE--W1ZL: G3RBP--W2IU: VE5JE--W1BU: DL9KRA--W2GGL: G3RAU--K8SWE 6YACZ--W2KHT: VE5JE--VE5JE: W2KHT, EQS, W1BB/1, K1LMO--K1LMO: VE5JE--W1BHJ: G3RAX--W2IU: DL7KRA--W8GDJ: G3OII/359, 6YACZ, VE5JE, ZL3CX/1140z--"VK5KO will be on until mid a

April 1876k 1100-1200 weekends-Willie" --G3SKP:VE2UQ--G3OUV:W2FYT--G3BQ:W2IU, 6.
6YACZ--G3SCP:VE2UQ--6YACZ:K8SWE,G3NYQ--PA6LV:HK4DF--"DL9KRA:W1BB/1,BU,2IU,BOS--
*PYSwl/RASP::W1BB/1,BU,2IU,GGL,8GDQ,K8SWE,G3NYQ,6YACZ-"Getting transistor 160 & HP
Rx to go to lonely beaches with my motorboat, away fm line noises etc and carry on
SWling fm there" FB Rolf - sez PY1NFC had ant trble 160 and has given up-sir!!! ---
Gsw IBALL:W1BB/1,6YACZ--*G3RAU:W1BB/1,BHQ,W6VEH/4,W2KQT--OTHERS ON::: W2UWD,KQT,
ASH,80YN,9UKV,K6WPK,VE3ABG--G3EML,G3SVD,RLF, --Not bad for this late in season.

WEEK-END MAR 14/15 ----- Wx cool,rainy,windy,QRN high-sunset DX fair but R5GB TEST
on-midnight DX fair-heavy QRN-few QSOs-VE2UQ,W3GJF cld ZL3OE sked 0650-0710/ND-most
stns QRT early/QRN --- ACTIVITY:W1BB/1:G3OIT/A,RFS,OLI,ERN,PU,6BQ--VE2UQ:Cld/CR4AC
*W1PPN:G3OIT,PU,6BQ--W3GJF:G6BQ--W2KHT:G3PU--*W8GDQ:G3PU,6YACZ-"Dev Sez new prefix
next month"--W2KQT: Cld PZLAH--W9PNE:6YACZ--W1BB:G3PDN-- 6YACZ:G6BQ,W8GDQ--G3OUV/W2UWD
W1WY--OTHERS ON:W1BU,K4FQP,VE3DJ--OH3NY-ZL3OX-HB9CM-GM3NY-GW3LEW-G3SSF-G3RNL -
sawl/IBALL:W1BB/1 -- Believe more TRANSATLANTIC activity except for local G TEST.

WEEK/END MAR 21/22 ----- Almost a complete wash-out due to FIERCE QRN from storm
over East Coast - what a pity too!!! Conditions seemed the best skip/wise over the
Atlantic and Western USA that they have been this year - windy, rainy, 32F Wx --
ACTIVITY:W1BB/1:G3RBP A1 and SSB-G3PU--W3GJF:G3RBP,PU--K5JVF:G3PU/339--W1PPN:G3RBP,
G3PU--W1ZL:G3RBP,PU--W2GGL:G3PU--K7ZIP/2:G3PU --- DH3/59 was coming thru 579!!!!!! ---
OTHERS ON:W1EFN,2IU,K7ZIP/2-Wa4DUS-W5SOT-K9YWO-W6RHI,WPK-VE2ATU-HB9CM. Too Bad!!!!!!

CONGRATULATIONS W6UOV/Bob!!!!!! "Up until last week (2/26) 160 A complete Bust Hr -
hrd no S.A. Stns like 1st yr & E Coast stns way dwn - then hrd YUSAGD ARRL Test -No
KPA,HC,HR -one KH6 - THE BIG PAYOFF!! Feb 20 on sked QSO'd VS1LP/Bob/469-my479!!! He
He stayed in for 5 minutes only then dropped out completely!!!! (Nice work Bob!!!)--
Had an interesting experience-KKHL/16kw/one mile fm me/1550kc--no cross mod. but the
thot might be overloading front end rx desensitizing it - built hi-pass filter-cut/
off 1700 kc -installed between Ant & Rx - ALL SIGNALS CAME UP 1 "S" UNIT!! W1 kw
build more exotic filter/more sections - obviously the device is necessary"-Txn Bob.

MISCELLANEOUS TOP BAND NEWS ITEMS

G3DN/Rey = QSO'd W1BB/1 during GQ/TEST using 10w and 1/2 Wve ant ONLY 17' High -
his 15th country - CONGRATS!!! ● 6YACZ - "Using 50w,300' inverted L,120' High --
clearest spots 1805-20,1990-2000k -"1BB/1,2 points less than last Season/Beamed East
?? GQ/TEST wkd C07HQ-KZ5HC,MF-HK4EB,7ZT-VP7NS-HR3HH-G3GRL,all W Except 6-Hrd OH6NI,
OK2KET,DL1FF,G3OLI,PU,G16TK-V4XO-Test Cdx not too gud hr - ~~6YACZ~~ 6YACZ expects 2B
active also w/50w,swv Zepp,VFO"-Txn/Dev/Luck. ● PYSwl/RASP*GQ/TEST hrd DL1FF,G3GRL,
HK4EB,W1BB/1-2EB,GGL-K4FMA-V8HC",W6RHI,6USS,YY,GTI-6YACZ-HR3HH 0 also G3GRL,DL1FF 1/2
hr after sunset!! ● W9PNE/Brice:"Cdx bn both excellent & Poor - reception Tx.-Trans
poor-Northern W8,9-"IS-Mich-Ohio pour terrific into Fu but Southern Stns.myself/Ky-
Tenn etc FRUSTRATED!! Rec well-cant raise!! - NC183 real FB since wkg over -Am now
considering inverted Vee HOWEVER March 14 wkd VK5KO/349 1130z thru local thunder/
lightning storm - my 449!!! --- Having fun w/pocket size transistor 160 rig - wkd
mani stns 8 states w/ 1,1/2w-Brice" - Gang - listen for Brice's real QRP rig!! W1 B
fairly inactive 'till fall however. ● PY1NFC/Fred:who expected to B on 160 ran into
Ant trble and has QRT this season ● GM3IAA/JIM:Active but QRP & Way North-luk fr him
has VFB new ant mast!! ● VE2ATU: Not too active-much sickness family-wkd G3RJA,6YACZ
GM3IGW/A & several new states w/Ranger,H4170,Zepp ant 35' High - wants W1BB/1 to see
send him a 260' lighthouse!! VFB Ian-wish cud do!! ● DL9KRA/JAN:(Fp8BV,w/V2BOS/Fp8
AS/'61) vy active 160-ant testing nw w/70' hi inverted Vee dipole 450ohm feed Vs.
Vertical which seems best-changing QTH to nice quiet spot in forest-wl hv INVISIBLE
dipole 91' up-KVM/lw/Converter-2E26Tx-trying fr 6W8CW 160 operation!!! ● VE3DU/Dave:
"Hears'em"-G3RAU,GRL,RFB,VNG,PU,OLI,WA,OUV,6BQ,5ZT,DL1FF,VP7NS,6YACZ,GM3IGW/A,JI-
BUT "Eant Raise 'em!! wl hv to wk on ant this summer"!!! SriDave!! ● G3GRL/JOHN:Not
on Feb2 wind blew 80' vert dwn/up agn nw-re/test,if there hd bn more activity sum
real wonderful QSOs cu hv bn made-same cdx must occur often when no one on"-John ha
na. run sum VFB tests vert GP full,3/4,1/2 size-sez below 3/4 size begin to loose
effectiveness ● VS1LP:Also wkd KR6ML 26 Jan!!! - sez his VS/G3GRL QSO 10% longer
distance than EP2HK/W, but Fu/ZL a longer hop - VS1LP also hrd dozens Fu stns and
identified DL1FF,7AA,OK3AL,1ZL,EV,SU,24X-G5ZT,G2LB 2152-2345Z VFB!!! (See Buk1 #3)
● K4FMA/DON:: visited by G3NXV & xyl at FLA Hamfest had "Get-to-gether" with K6ZH,
W6RWA,VP7NY.G3NXV re 160!!! Nice! ● HPAIE & HCLDC on air during GQ/CW/TEST,vainly
tried for contacts but N.D. - vy sri!! Musta bn local cdx that area.

WEIPT: "Unfortunately had to spend QZ/WW/DX/160/TEST in HOSPITAL!! Rig/Ready, 7.
tuned/pruned ant-local QRN gone - couldn't make it!! Friend K5JVF still raving abt
FB cdx 1 Missed - 'C'Est LaGuerre' Phooey!!!-Herb" - this was Really bad!! Sfr.
DLIFF/ANTENNAS/CONDITIONS: (See p2/sick list) Doing FB w/various ants-GP, Inverte
Ve SWL rpts de WILP/s8-5Z4IV/s7-PYswLRASP/s8, many W/Ve - "Yes there seems to be FB
oda just after sunset, then down again, then up again, then down agn, then up agn
just B4 sunrise, peaking for far Dx arnd sunrise time" Tnx ARMIN!! OH3NY/Matti:
has swl rpt/339 fm VE3sw19301, hrd clg W1BB/1 - Matti hrd 6YACZ!! vrb!! W6JH/Er:
"Cdx hr fairly poor-my l.w. ient doing too well this yr as lst - guess I must bury
sum wire-Ev" HAM WITH MOST CERTIFICATES-HOWY/W2QHE: "Cant B on 160 reg-ORL wk-ma
mailman/walk 17 mls day carrying 300 to 500 lbs mail/day - line noise bd too - need
Asia fr WAC" Sri Howy/nice hrg fm U W3AJS: "Also made Ham sites aerial survey my
Western airtrip-sum of the lush QTHs seen fm air disturbed me fr days!! Finally Rec
Vermont 160 QSL de W1ITW!! Antenna TRAGEDY nite just B4 CO 160 TEST top 30', 75' vert
blew off lvg only 45'-sig way dwn-but wkd DL & GM-tts all-cant fix till warm Vz so
sigs wl B weak!!" Vy sri Chas!! DL7AA/Rudy: Started 160 Dxing Jan '64-uses vert 80
w/load fr 160-best Dx VE3BNY-Missed VP8GQ, HCLDC, 5N2JKO-Ham since 1926-1st QSO '27-
age 53 - is transmitter engr at HIAS 300kw VOA Branch - Dx mgr DARC/10yrs-promotes
WAE Cert. & WAE/DXtest/4 time winner -- 137 ~~countries~~ countries on 80-217/40,
254/21, 208/28-15/160!! - VFB Rudy-nice Hvg U on 160!! HB9CM/Philo: has ba quite
active on 160 this yr w/gud sig/giving many a new Country!! CONGRATULATIONS TO
KIKSH/4 Gary - 160 DKer nw ARRL "A-1" OP - still loking to 160 DXing fm Ethiopia-
Experimenting w/ "Top and Bottom" bands - wkd 160 and 1296 Mc!!! ZL3OX/JACK: Hear
in JAN W6YY, ML, VSS, NKR, RW, JTB, K6EHZ-W7JRF, K7PBU, DEK/7-W6NWX, A1H-VE2U, 4BNY, ENX-wl B
on 1877-1895 1045-1150Z lkg fr W/Ve contacts Mar/part April W6ML/ALEX: made WAC
by QSO w/G3PU!!! CORRECTION!!!: VE3AGX made FIRST VE/OK Qso wkg OK2UR Jan 25 '62
--&Climched 13 Countries QSOing HK4EB 2/23/64 - VFB Frank!!! VE5JE: put SASKATCHE
on the 160 Map recently-Mar 8th - coming on 1999Kos at 0700 QSOing W2KHT, BB/1, KLIMO
theu severe QRN - VFB Alan - come bk agn-Tnx!! Gswl/IBALL: VFB rpt 26th/Dx/Test-
Hr W1BB/1, TX, BH, WY-2GGL, KQT, EOS, FYT-K2DGT-8HGW, HRV, BAR-9EWC-VF2U, 3AGX, BWY--Bob
sure gives a "Super" SWL report - ever had one fm him?? - Cdx good-not quite as gud
as 1963 thinks - Tnx BOB!!! VE3HWY, Rev HAM: On Ministerial work in HK/land, visit
"GUS" HK4EB, 3500' a.s.l.-DELIVERED QSO in person fr CQ DX TEST Contact, a week aft
wkg him - SUPRISE!! Sez-"M Amazing abt "Gus" -uses only 18' whip tied to stake on
house w/loading coil - also met HK4DP ZS2FM/"Mike" Continues to push 160 in ZS/
land via FB Feedback Mag - says ZS2A & ZS2OL on soon-- nice article on "Mike" in
Jan "RADIO ZS" Mag p6, 7, 8, 10 re 160 Dx and 10,000Mc Experiments and Tracking sigs
Fm Planet Jupiter W8GDH/W8GDH VERTICAL ANTENNA: See P41/42 March 1964 CQ - VFB
erection information on a 160 meter Vertical -FB Willie -Has wkd 481 counTies NW
-has almost complete set 2 letter ~~calls~~ calls/QSLs also OK SWL/OK2.3839/Josef: Hrd
W3RQ, W3RQ, W2MCU, K8IQ, HR3HH, W9PNE, OH2YV/, W1BB/1 - none less than 339 - most
559/579 w/new Vee Rx ant. OKswl-2.4179/STANDA: Hrd W1BB/1, 2GGL, KQT, EOS, UWD, FYT, 3A
3AJS, VE1ZZ, 2UQ during Feb sez " 160 Meters vy interesting band - I hv decided to
stay on this band forever" - VFB!! GswlALLEN: "Using Ferrite Rod ant - wks real
well, but good outside antenna probably best - "Joystick" ant is much larger mechan
ically & is excellent. On any ant. Height plus quiet QTH all important - remember
well listening on Field Day in Country - dead quiet-velvet background-simple Det &
1 Audio - 1936-Was wonderful - hv pretty full long log inc W8, W6GDH to enthuse abt
-VFB Geo- nice wk. W1PHS/Cliffe: "Vy ORL coin collecting/ Library Board Pres.-
Director Citizens League - Voters League, etc & 160 has suffered bit this yr - Wkd
HB9CM fr new one 13 Mar" Tns Cliffe!! G3REA/PHAS: Contacted W1BB/1 for my first
"Crossing" 2/23/64 0142 AFTER TRYING FOR TWO SEASONS!!!" My rst 339/BB579-using 10v
small hor 35' high ant" - CongratulATIONS CHASTY W8KFY/Ed (Ex-KP4AXU): no Dxing
nw-hope to BE Dx soon! on 160 evenings 7PM usually - wkd HR3HH - wkd DX on 160 Mob
10w Tx - QSO'd W5NU fm W8 --New home QTH have excellent Rx Condx w/ 280' Ctr Fed
6 hi 450 ohm line-open -- hurry up and BECOME Dx Ed!!! The Gang remembers FB wk
of KP4AXU!! "U"STATION'S ABSENCE EXPLAINED: by Keith/G3OLN of "15 ON TOP AWARDS
Committee - who QSO'd UB5WF on 20 - learned ALL 160 licenses withdrawn in Russia-
UB5WF noted 160 DKer had SSB rig all ready to go too!! -- this news proves that
UA3NB who wkd several Eus was in fact a PHONEY CONGRATULATIONS TO W1JEC who afte
12 tries at various times since 1936 finally crossed ATLANTIC to wk G3FCF 0100 7th
March -- THAT is patience and perseverance!!! ----- 73 de Stew/W1BB
POSSIBLY a "Summer" Bulletin otherwise, HAPPY SUMMER - b.c.n.u. Pa

November 7, 1964

PYswl/Rolf

Please excuse the tardy reply to your very nice letters of Aug 15th and September 28th and now November 1st!!! I must apologize for this - but Rolf I have just been "Out Straight" and could not do otherwise - I am sorry.

Happy to have all the good news from you and that you may be in the States - HOORAY and best wishes for it's fulfillment. Around detroit - I think K8IQQ or W8GDQ are the nearest 160 meter DXers - and they arent too near either - too bad.

Thanks for the reports - very nice - glad you are doing so well down there already on 160 - keep up the good work. Have noted your remarks about the licensing etc etc but if we hear PY1NFC - then we do - eh??? Best of luck

Hope you can find the right kind of a receiver to take back with you - a "Portable" one!!!

Was very interested in your portable MM work this summer - excellen diversion and something "Different"

Hope the /P works out good your THIS SUMMER down there -

Here is all the latest on 160 Rolf

Thanks millions for everything and best wishes for

HAPPY IQSY

de Stew/WLBB

OCTOBER 31 1964

WLBB - 160 METER DX - BULLETIN

1964/1965 No. 1

de WLBB/General Remarks -----Here we are again, starting another 160/DX season - they roll around quite fast, N'est Pas???? GREETINGS fellows, and best wishes for lots of fun and HAPPY HAMMING on 160 meter DX Chasing!!! Via this Bulletin, I'll try to get to you the highlights of happenings this 1964/1965 season, as usual, and to the regular radio magazines, news of interest to all, for their publication, --- SOOOOOooooo keep the information flowing to WLBB. ----- THIS IS the season of Lowest Sunspot Numbers, the I.Q.S.Y. and we all hope for even better conditions than heretofore - Will we get them??? Will they be better or worse, or the same as last year??? Should be interesting. One thing is certain, Conditions at the Botom of the cycle - now - are a lot better than they were a few years ago - RESULTS will tell the story!!! I am sure each one of us will get a lot of pleasure being a part of these activities. ---- Copies of this BULL will be sent gratis to DX participants who report regularly to WLBB via Mail. Others active on 160/DX can obtain copies by keeping a supply of LONG S.A.S.E. envelopes at WLBB. About 4 or 5 issues will be made during the season. --- ~~FLASH~~ "HOT" news is sent to the MAGS by special "FLASH" sheets and/or CST de WLBB, time permitting, Sunday mornings before the DX periods. It cannot be guaranteed that occasional errors or omissions will not creep in - altho we try real hard to eliminate them - corrections where necessary will be made. ----- We all know that working DX on 160 is unusually difficult, challenging and interesting - it takes perseverance, a special "Know-How", good operating and a top-notch station. This year it is expected that many more Countries will be heard from, including several DXpeditions to test our skill on and provide the unusual thrill of accomplishment of working DX on 160. BEST OF LUCK and HAPPY DXing on 160!!! 73 de Stew/WLBB

ANNUAL TRANSATLANTIC AND WORLD-WIDE 160 METER DX TESTS ----- Reminiscent and symbolic of the original PIONEERING Transatlantic Crossings by Marconi - DeLoy

Schnell, Reinartz, Godley - 1901-1981, and continuing a yearly operating activity established in 1932 and held every year since, (Except War Years), the ANNUAL TRANSATLANTIC and WORLDWIDE "TOP-BAND" DX TESTS will be held on 160 on the following Sunday mornings, from 0500-0730 GMT. -- DEC 6th and 20th, JAN 3rd and 17th, FEB 7th and 21st. During these TESTS special efforts will be made to establish new records. W/Ve Stations should call CQ DX TEST the first five minutes of the hour, and then the third, fifth periods etc - listening in between. DX will call CQ DX TEST, the 2nd, 4th, 6th, 5Minute periods etc. Adhere to this schedule, except, when QSOs in progress. Use authorized Fys. W/VEs EAST 1800-1825, WEST 1975/2000Kcs -- Europe mostly ~~1825-30~~ 1825-30, ZL 1875-1900, VK 1800-1860, JAs 1880 Kcs Spot W/ Africa 1800-1825 mostly. These TRANSATLANTIC TESTS should be exciting. ALL HAMS are reminded however to be ALERT for unusual DX openings anywhere over DARKNESS ~~PATHS~~ PATHS at SUNSET or SUNRISE times at either end of the path - just as long as the PATH is a DARKNESS PATH, and at or near Twilight, or Sunrise at either end of the path. This is when 160 meter signals "PEAK". Remember these are "TESTS", NOT CONTESTS, for pleasure in an unusual operating activity, without "Competition", and to particularly develop some propagation information which may make a worthwhile contribution to the art of RADIO. ---- W/Ve stations send reports of TESTS, listening activity or unusual accomplishments to W1BB immediately after each TEST - Stewart S. Perry, 36 Pleasant St, Winthrop, Mass USA, for logging and reporting. G, GM, GW, etc send their reports to G3QB, L.H. "Tommy" Thomas, DX Editor SWM, 49 Winchelsea Lane, Hastings, Sussex, England. Other DX, May send their reports to EITHER of the above as they desire - however, the important thing is to be sure and SEND IN YOUR REPORTS!!! DO REPORT!!! ----- W1BB will always be glad to arrange special skeds with ANY DX stations wishing to test out unusual paths and conditions, and will send full instructions - also will sked any DX station who has not previously QSO'ed W/land. Remember to set your clock accurately - and keep to the periods!! b.c.n.u.

G3GRL/JOHN ----- Has designed/Built/Tested VFB vert G.P. ant- Sez "The full size GP is obviously bsr than loaded one but losses only seem to occur when shortening is below 2/3 full size- at 75' losses become noticeable then increase greatly the shorter the ant" John's outstanding signal this season past proves the effectiveness of his work. A GRAPH he made of Vert Ant plots theoretical loss vs actual loss, and test results come very close - nice!! He also experimented with balloon ants w/ excellent results-but Wx edx MUST be just right - a "Temperamental antenna".

JAPAN ON 160!!! ----- FLASH!! de JA1CR/Takeo sez permission granted April 6th '64 after 12 yrs efforts by himself, Mr Hara Taian, Director J.A.R.L. who with patience negotiated w/regulatory board, W1BB, who wrote ltr summarizing world wide situation on 160 and substantiating reasons for authorization, and others efforts: 200 Watts allowed/OW only/spot fy 1880ke. Only licensed first class ops allowed special 160 certificates. First ones ca JA1CR, CO, 6AK, 2JW, 3AA. Much credit goes to JA boys & J.A.R.L. for patience/perseverance. This season will be especially interesting with them on!! ----- FLASH!!! Record for FIRST ever JA 160 Meter QSO, since open goes to JA3AA/Isaji Shima, who July 27th 1505GMT QSO'd 359 none other than VS1LP Bob Snyder/Singapore--VONGRATULATIONS to both!!!

VE2UQ/Gordy ---- Again went close to the North Pole this summer, to Cornwallis Isl Resolute Bay 900 Mi fm N. Pole - considerably higher into the Arctic than last yrs DXpedition - where it was daylight all night, Jul 14-20, conducted RX tests w/W1BB to see if 160 sugs could penetrate daylight edr nr "shadow edge". No sigs hrd-not even 2KW WCC on 2036. Lowest fy hrd was 3.5Mc w/only S2-3 sigs. VE2UQ then visited THULE Greenland to check 160, and then P.E.I. as VE2UQ/1 wkg D11FF, G3GRL, G3REP, GM3OUV/P, PA0PN, G3PQA - sez, "I never experienced such a quiet QTH - you could hear anything on - DJJ peaked at local sunset rather than DJ sunrise time.

CONGRATS ZS6BCT/Chris --- 1st dummer DX wkd - QSO'd W1BB/1 0435-0455z, Wed Jul 15 1809 kcs w/10w, dblt ant, peak 349. BB's sigs 449/569, 100w, 260' high Inv. Vee. ZS6BCT set up skeds by first observing WCC's peaking times - airmiled BB for skeds. Contact made 2nd try. WCC's sugs hv bn consistent varying 229/559 different nights. ZS6BCT's SSB peaked 239. apparently N/S path excellent this summer. ----- DX has erupted grand style to ZS land this summer, and African Hams are making themselves known on 160 - see further DX worked to follow. Keep an ear for ZS land!!! 1800-35

CONGRATS BU 9LHX/Pete ---- fr resounding FIRST!!! Sierre Leone/USA. QSO'd W1BB/579 0447-0515z Jul 26. Stew/BB & KIKSH/Gary, (visiting BB to discuss AP5 operation where he nw awaiting lio) got on 160 to try fr VE2UQ/P.E.I. & DL1FF - neither hrd SOOOOOO DX Qs sent alt 5 min periods fr hr - suddenly after KIKSH trik at key, 9LHX suddenly appeared clg BB. An almost solid QSO/25mins - Gswl/Smith monitored this QSO. Credit to G3PIQ/mm, Comm1 opr M.V. "PERANG", who unable get transmit lio fr 160/mm faithfully monitors 160. Makes Port In Freetown-interested 9LHX in 160. Tnx John --- QSO w/9LHX was RT to ans 349 sig clg - turned out to be ZS4PB, but who quickly faded after short contact - was Rr BB 459.

STILL ANOTHER "FIRST ever" --- to W2AS/John - alerted by ZS9G to 160 edz, and hrd ZS6BLT QSO BB got on himself, and w/ sigs 229/339 made it July 29 0410z using 250 sloping dipole to copy BB 459. Gswl Smith also monitored this QSO - CONGRATS John!

TAPE RECORDINGS --- W1BB has a magnificent tape at 3 1/2 rpm two track of the 160 me Q DX Contest from GM5IGW/A at LOCHNAW Castle 1964 giving many W signals and also description of set-up - vy interesting - also tape recordings of W1BB's signals from G3OQT, (And others), G3FQA, W7ING, PY1NFC, ZL3RB, VS1LP, --wl be glad to loan any of these on faithful promise to return promptly, and pay postage. G3GML/Record

W1BB SUMMARY LOG

This actual "LOG" will not be started for a while yet - however we'll give here information available to date on what has happened on the band. ----- FIRST OF ALL What does constitute the DX season??? For record purposes it has been considered as starting September 1 and ending August 31 the following year. Thus we are into the 2nd month of the 1964/1965 "Season" ----- So far this season the DX has been a bit sporadic. Fairly good openings, interspersed with poor ones and much QRN. W1BB/1 has wkd 23 different DX stations in 4 Countries (Not inc. W). W2EQS, W1UAG, W2IU, W2FYT, W2UWD, W1DWA, VE2UQ and others have been chalking up DX QSOs. The following DX is known to have worked W/land - G3SVW, FQA, BEP, OQT, RAU, LIQ, PU, JMZ, OL RTY, OWR, KTW, TFP, BEP, SED, NWF, RRA, REM - FP3CA, DL1FF, GM2FCZ - VK5KO/W2EQS. ----- (1/s Norman Smith/Robert Iball are already active logging DX doing FB Job. Was seem scarce thus far.

MISCELLANEOUS TOP BAND NEWS ITEMS

1963/1964's PHONIES:: Believed list of "Pirates" are UA3NB, CR4AC, PZ1AH, CO7HQ, CO7R, ZB2AF, FX1CR, LA2VF, OZ7EL Does anyone have authentic info on any of these???

G3NYQ/JOHN's FIRST ever 160 Crossing:: 24/FEB/64 was using SW to balloon 130' #18 wire-VFB/CONGRATS! ANTIQCH DX SOCIETY W6JTB/6:: 349/Jim(Sec) QSO'd KR6TZ/229 25/jan/64 7AM pst for FIRST!! ever W/KR w/ Ranger/NC300-CONGRATS to Jim & Club boys W61JH, IJG, JCD, GJW, K6PJT/Dan "The Leader", Wn6HDE - they wkd CQ 160 DX TEST fr top of BUTT Mt. VE2UQ/GORD:: Wkd ZL3OX/Jack 2/21-3/20'64-wkd VK5KO Marl9 (W3GQF & W3CDQ also) Hurricane winds blew ant dwn (Mast OK) Feb 15-back up nw-fabulous VE2UQ sig generated by 1/2 Wv Inv Vec, 60' Apex-10' Ends-fed w/600 ohm open resonant fee Nice vert & Horiz radiation - lkg fr African QSOs CONGRATULATIONS HB9CM/Philo:: on a splendid 63/64, 113 QSOs 75 of which were "FIRST HB on Top Band", also wkd VP2VL, 6YACZ plus Ws, 1BB/1, BU, BRQ, 2KGT, IU, FBA, RUJ, K2DGF, 5QGF, VE2UQ, IZZ - and!!! made FIRST ever!!!! QSO w/OE1KU Marl opening OE 160 Band. Has two QTHs, one at Chlet in Mts (Delightful spot visited by W1BB) and at Home in Landeron. GEORGE JACOBS/W3ASK:: George/the 160 boys are very much appreciative your sympathetic interest in 160. Your propagation knowledge is of parallel interest to our DXing and is read avidly by us all - Tnx!! * OI7ML/MARTIN:: Says, undoubtedly he will be on 160 for 64/65 - Cheers!!! * G13PDM/Ray:: sez "There is no doubt about it, 160 is a fascinating band - really gets a grip on you - one just forgets about the other so called DX bands - pity season is so short"!!! * FIRST GM/ce, 9AL, ZB QSOs:: much CREDIT to GM3NYI who QSO'd 9ALVU 12/27/63, 2307-OE3JL 5/12.64-ZB2AF 4/1/64 VFB!!!

* WE ARE INDEBTED TO STEVE/G3BVN-RSGB:: for the Exceptionally fine coverage given in 65/64 season in RSGB Bulletin - on behalf of ALL the 160 boys - thanks a lot to you Steve and RSGB!!! * G03EML/John:: works only 160 and w1 P QRV agn 64/65 for DX!! * K5JVF/Dave:: "Re 160, there is really nothing like a salt water path all the way!! However hrd G3PU twice 63/64, DL1FF, VK3EM, VK5KO. Eight Mins was longest duration any these long haul stns however- and readable onli 3 mins or so -ws, 1BB/1, 1PRN, 2FYT rolled in 57/89 OCT but Nov, Dec, Jan, Feb only S6, then Mar/Apr up 10db!! K5JVF's article on 80/40/20 ant expected in CST. Tnx Dave

CONGRATS S-I card de BY/swl. Rolf Rasm - nice!! Keep up good work.

G3CRL/John:: is eying a 150' Chimney at his new factory for 160 ant 64/65!! 4.
Hopes to do some SSB too. DL1FF/Armin:: who survived severe heart attack VFB NW
rarin to go 160 agn, already crossed many times this season with VFB Ground Plane
ant - also testing inverted Vee - Armin is "All-round" HAM, Radio/TV Business -
Mobile - all bands. Has made outstanding 160 DX performance. Wkd VE2UQ, 3AGX AUG.
SDUL/Frank:: moving QTH to Ohio w/ b Ch Engineer DELCO/MARINE (GM)-hopes be bk
160 64/65, VK5KO/John:: QSO'd w/ 2KQT/John OCT13'63, 1043z - hrd W1BB.559.1801k QSO
K1KSH/KG6 SEP8'63 0920-1000z, also Hrd V2UWD 559 1012z FIRST!! VK/EU 160 QSO:: wh
VK5KO & G3PU, wkd SEP30'63 - SECOND!! when VK5KO/DL1FF QSO'd OCT5'63-CONGRATULATIO
MUCH CREDIT to John too, who is a "65 Year Young" HAM, for his persistence and al
patience - it took 600 Man Hours to erect and test and get antenna working right,
on a restricted QTH, and 500 Man Hours of schedules -- imagine that!!! 1100 Man
hours for this accomplishment!!! All John's friends express sympathy to him on the
loss of his beloved xyl April '64, sorry!!! GRISWOLD RADIO CLUB "15 on TOP"
AWARD de G3OLN/Keith:: First 25 Certificates as follows: W1BB, G3OLN, RRU, RRF, PVK, PE
NFV, G16TK, G/A2461/SWL, G3RJK, W8GDQ, JIN, G/A2340/swl, OK1ZC, G3OUF, OIT, OK2EE, W2EQS, G3P
ILO, GW3CBY, 9A1VU, G3IMV, FUW, SES, REA. -- Most popular stations based on Number of t
times claimed PA/PN/17, DL1FF/15, W1BB/14, 5A3CJ/13, VELZZ/13, UB5WF/12, HB9J/12, ZB1EX/
EI9J/11, OH2NB/10 - Tax Keith!! who has exotic ant plans for 64/65 - also got 900,
yes, NINE HUNDRED TVI complaints, when he, thru no fault of his own, got picked
up on TV Relay Company's High Gain Wide Band Amplifier - this is worlds record for
TVI!!! G3RBP/Roger:: Getting 7' Balloon w/many 130'/radials-hopes hit 160 hard
64/65 - this summer has been interesting new stns to come on 160. Special CHEERS
Roger for wkg VS1LP FEB23/64 to get WAC!!! VFB!! COUNTRY NO.79 for W1BB:: when
G3RFS/Nev, G3RFS/Sark confirmed Contact 3/28/64 at 0120.0131z while on ARRL EX T
DXPEDITION - tx Nev!! PYSW/ROLF RASP:: who deserted 160 temporarily for new
love, an outboard motorboat with Elgin 30 HP, nw has excellent new Rx which cover
160 only, SOOOOOOOOO this season w/ scan/SWL 160 intently-Fine!! COONGRATULATIO
Dick W3GQF/W3WZL:: ardent 160er who on 8AUG entered blessed estate Matrimony taki
up to himself Catherine Ellen Poiries to be his wedded xyl - VFB Dick and Cathy -
happiness always and with 160 DX!!! CONGRATULATIONS to VS1LP/Bob and LORNA:: on
arrival of y1 LISA MARCELINE in Singapore June 26 - Bob sez "Gonna start her code
right away and bring her up on formula 160"!!! being a 160 meter "Angel", she bro
Bob G.L. on day following her birth - wks JA3AA, 359, 1880k for FIRST ever JA on 160
CONGRATULATIONS to TONY APPLEGET 160er:: WA2NBE/EKWLZLM, K6DCF, K7ZIP and xyl
Sharon on arrival of son "Steve" 7AUG'64 - understand he will be brought up on
formula 160 also - VFB!! PAKISTAN/AP5:: we are hoping will be on 160 DX Agenda
64/65 since Gary/K1KSH/AP5 has arrived there and pending licensing procedure is to
operate ALL bands inc 160 - watch this new Country fr 160 esp. "Sparks" Lunney is
unusually good and enthusiastic 160DXer-wont miss a bet!!! G3P/JSO-G3JML/Jock::
QSO'd W1BB/1 4oct'64 w/ only 3.5 watts!!!! From his C1"A" SSB Exciter, putting 33
sig across for his 1st TRANSATLANTIC 160/qso - Congrats Jock on an unusual feat!!
VE2ATU/TAM:: expects hv new ants on 160 64/65-vert&Hor-Recently visited W1BB/1
W2EQS, attended NE DXCC meeting-helped BB Adjust new antenna for 1/1 SWR W3FYT/T
said to be using 2el 160 beam - congrats-hw abt dope on it Tony?? "JOYSTICK" 160
METER ANTENNA:: During summer BB ran exhaustive tests on the "Joystick" marketed b
George Partridge Electronics Ltd. It was compared to a 520" 160 VEE ant at 45'. T
performance was pretty good, considering it's size. It was on an average abt 2 "S"
units DOWN, or 14 DB on the Vee. For one whose space is limited it is a very good
compromise - not recommended for DXing by BB if it is possible to erect a good
outside 1/2 wve ant high up and in clear. (No DX performance results on this ANT
as yet) Write G3CED for details. Gswl.s IBALL and ALLEN:: Saludos!! for VFB SWL
reporting already this Season, and especially to Norman Smith for ALL SUMMER Rpts
Hv Hrd LBB, 2IU, 2KQT, VE3AGX, W2CHN, K4KYV, W2EQS, SLEFN, VE1EU, & Otrs G3PG/Gus:: Re-
vamped stn/hope be on much 64/65 G3RBP/Roger:: started off bad!! Hrd both VELZZ
9 HX on - started call - tx wouldnt perk!! Sri-W1 hv Inverted Vee 72' Apexw/250'
open wire feed - FB!! VK4SWL/Thorpe:: is SWL CHC No. 51 w/ cover 160 64/65.
9G1DV/Phil:: Interested in 160/but not allowed in Ghana/still trying tho!!!
G3JML/Jim:: Hoping fr antr DXpedition on 160 this yr Cq DX TEST!!! G3PEO/Eric
reports wkg OY7FP 4oct!!! ZS2FM/Mike:: Travelling this yr, may not b on 160 too
much-sri!! G3PLQ/John:: Continues his MM travels along the Coast of Africa - and
doing his bit to get more stns active there - Pity he cannot operate 160/mm - yes
a real pity!!!

PYswl/Rasp: hrd VE3AGX, K5JVF, BB/1 sept 13, w/ b on Sat/Sun dx periods. EL4A/Ken-EL4YL/Traut nw in DL/land- w/ B on 160 w/ big box kite ant. Ken had tough luck in EL4 land - was shut down up to that time had been going great guns on 160 - had flying accident/luckily all OK with some scars though/sri Ken - ALL w/ be looking fr you - Ken offers to promote 160 in Countries wanted by Ws. Tx Ken - best wishes to you and Traut. W7WWR/KC4USB/Ron: writes sri regs do not permit op on 160 there - otherwise happy cooperate - with summer coming on nw vy little time for HAMMING - but big problem is license for 160 - thnks Ron/Sir, vy sri - best wishes. G30MM/MARY: Yorkshire Eng. VFB YL G/Hammess going to try cross on 160 this yr. Wks all bands. Climbs antenna poles and does wk herself way up in Air - Active this yr helping Boy Scouts with Jamboree Radio work - got up 4AM while boys asleep/tried wk across pond - listen for Mary, a very lovely girl indeed.

NORTH EASTERN DX ASSOCIATION BULLETIN: (NEDXA Box 88 ACCORD, Mass) K2UYG Pres, WA20JD, VP-W2TVR, Sec/Treas, WIBPW/K1NOL Editors will more or less replace "DX" magazine which has folded - this publication costs \$3.00 a year for about 14 issues, but from what WIBB has seen has excellent material on DXpeditions and DX operations on all bands. We hope that they may be induced to give 160 a big hand. Already they have announced the proposed DXpedition to Easter Island about December 1st by W4QVJ and W6UF, call to be CE3AH or maybe CE4AH, and it is hoped and quite possible that there will be some operation on 160!!!! G/swl Charles Hulme: 25oct 2030 hrd WIBB/1 on his JOYSTICK ant ant 569!: Apparently the JOYSTICK will pull in DX stations also. This was his FIRST "W" on 160. GAOD/Mobile: with Gswl Hulme, also hrd WIBB/1 on mobile 559 25oct - this was EVENING DX over here W/land, or "SUNSET DX". W3AZR/Ike after 160DX this season using new Ranger, NC300, and either 1200' Long Wire, or 2400' lw, or two double extended ZEPs pointed t o EU on his 10 QRD Acre farm - sez XE1VT w/ be on this yr - tnx Iks, best of luck!!! ExK6DCF/K7ZIP.Tony: w/ be after DX w/ new BC453-Hrd G3RBP-w/ hv 50w!! K7DEK/Maury: W/ be active 64/65 w/ HQ110, w/ Loran Blanker, and sum portable operation from Bainbridge Island to BC VERTICAL TOWER during times it is not in use - Maury cut quite a dash last yr from another tower, KETO's - Lsn fr hm!!! W4PSF/Larry: wkg on rx especially for 160 - sez just put up new ants but hvq trbl noise level WB2HAL/Ex"OX" Ham: Nw back States to hit 160 w/ 256' AWG26 to Balloon since can get ZEP only 20-30' Off Grd (Too Bad) 2 blo fm ocean at Long Branch NJ - wishes CQ or ARRL would have special 160 Colum-b.c.n.u.!!! WHAT IS THE BIG BLACK LINE ALL ABOUT?????: - A friend of mine told me about a proposed 160 Meter operation - but asked me to keep it quiet until plans definitely materialized - I temporarily forgot - sorry Gang!!!! We mustnt violate ANY confidences!!! But it will be GOOD news when and if it comes!!!! That is to 160 DXers.!!

FLASH!!! FLASH!!! FLASH!!! FLASH!!! FLASH!!!

The first weekend October 31/November 1 sprung some supprises!!!! While WWV was sending N5, 160 met conditions to Eu and all about were unusually good, although not too many were on hand to take advantage of these Condx. This should be a good omen for a V.F.B. Season!!!

FLASH!!!! No. 1 ----VP2AV/Ted, ANTIGUA, B.W.I. after some correspondence with WIBB, scrounged around and made himself a 160 meter transmitter, got up a skywire and came on 160 this morning, putting a new Country on the DX agenda, giving several W/VEs a new one, and WIBB his 82nd country on 160. Ted's signal was 339 to 549 with slow QSB. He also worked VE3AGX VE3DU KSCRJ and others. It is expected Ted will be on quite regularly this season - CONGRATULATIONS to TED and many tnx

FLASH!!!! No.2. ---- CONGRATULATIONS!!! to OX3DL/Ole, Egedesminde, Greenland: who after one years correspondence with WIBB, and arrangements for special license -- not expected on until nex spring -- opened up UNEXPECTEDLY and after calling WIBB for 2 hours, was finally heard, and a contact established for the FIRST ever!!!! 160 Meter operation from Greenland. His 1826 Kcs Sigs varied on deep fade from zero to 449 peaks using 10 watts to a 45' vertical wire, and inhaling with an AR88 Rx reported WIBB/1 peaking 599, to give BB Country No. 83!! - (TWO new ones in one night was almost too good to be true!!) Thereafter, he worked G30LI/Dennie, giving him 449 and receiving 339. An extra special gig hand goes to Ole for his resourcefulness in overcoming the licensing problem, and also for being able to fine necessary equipment in Greenland to build an 807 transmitter - also antenna situation is big problem and he had to settle for a vertical loader w/ 45' operating against the "PERMAFROST" for gnd - it is truly remarkable he was able to get on - and OUT. Best part is that Ole expects to be active, off and on, all 64/65 season. He will be on every night this week Nov 1-7 0400-0830 - then QRX/Off the air, until Nov 29, and then probab on again. Will use either 1826 Kcs or low end of 1800-1825m probably around 1809 Kcs. His signal from the far north had a deep fade, but was solid copy much of the time from first contact 0643 - to QRT at 0845z. This was a real THRILL hearing from the NORTH, and it is hoped that many more 160 DXers will enjoy the same this season with Ole. HAPPY HAMMING always - de Stew/WIBB

January 5, 1964

PYswl/Rolf

Received your nice letters Dec 6th and 28th and have "LOGGED" the pertinent information - thanks a lot.

Yes - I also had all the information you sent from DLIFF - but thanks again.

Sorry you will have to QRT for this year - but the trip to USA will be very good for you and you will enjoy the adventure

Thankyou for everything and especially your fine SWLing which we shall miss and also the PYINFC QSO with WIBB - VFB!!!

HAPPY TRIP TO YOU

HAPPY IQSY

Will expect to hear from you one of these days in USA when you will be returning via Boston to Py land - be sure to give me as much notice as possible - as I may be away from home - and would not like to miss you

73 de Stew, WIBB

and again - a most successful trip

Stew

DECEMBER 31 1964

WIBB - 160 METER DX - BULLETIN

1964/1965 - No. 2

de WIBB/"IQSY" ----- More than 50 Nations are participating in the INTERNATIONAL QUIET SUN YEARS research program, a sequel to the "IGY", International Geophysical Year of 57/58. --- This IQSY is a TWO year program starting JAN 1 '65, when sunspot and solar flare activity is at a low point, in an approximate 11 year cycle. At their peak, sunspots and solar flares release bursts of electrical particles and disrupt or assist radio communications, make the sky bright with auroras, and upset the earth's magnetic fields. --- The principle objective of the IQSY will be to gather data and then compare it with the data gathered when the sun was most active during IGY 57/58 - it's greatest activity in 200 years. --- U.S. Scientists will concentrate on eight major fields, eg Meteorology, Geomagnetism, Aurora, Airglow, Ionospheric physics, RADIO ASTRONOMY, Radio Propagation, etc. --- Rockets and balloons around the world will probe the earth's uppermost atmosphere -- 11 miles and beyond - a pioneer type space probe will be launched, and many other scientific activities will abound. --- As an adjunct to this, the activity of the ionosphere propagation conditions that exist on the Amateur Bands communicationwise will be of great interest. Considerable attention is focused on the lower frequencies, since under IQSY much less absorption is expected and greater distances should be covered. This is where we 160 meter DXers come into the picture. Our operation represent one of the BEST ways of obtaining information of value on LF propagation which may or may not prove or disprove previous theories concerning it's behavior. While no fixed program of reports or forms is provided, our activities and accomplishments in themselves provide the necessary record. These will be recorded in the WIBB SUMMARY LOG of 160 Meter operations. Results by various stations will be logged, number of participants and many other items. At least one Amateur "BEACON" is already in operation - ZELA2D 1801.5Kc 10w. Reports of unusual conditions or accomplishments will be sent to magazines for publication. WIBB will issue a special Souvenir "IQSY" QSL card. A report of unusual conditions observed, a QSO with WIBB, or report of DX logged, will qualify, as will reports of your own accomplishments. Anyone is eligible if information pertains to 160!!! This should be quite an exciting ~~and~~ and interesting TWO years for us all!!!

SOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO HAPPY IQSY !!! and b.c.n.u. on 160 / Stew. Stew.

FLASH!!!! ITEMS -- W1BB 160 METER DX BULLETIN -- No.2FLASH!! No.1

FIRST VK/VS 160 PHONE QSO!!! when VSILP/Bob SA/5 QSO'd VK3ATN 3/6ssb on 1804 Kcs at 1855 GMT 25 OCT 64 --- this followed Bob's First Ever VK Contact with VK5KO on CW some time ago. Bob also heard JA6AK/1880 Kcs 31 OCT 64 at 1100Z 469 with deep QSB - unfortunately no QSO.

FLASH!! No.2

160 METER "BEACON" STATION ESTABLISHED IN RHODESIA!! de ZE3JJ/Ivan comes news of this BEACON, constructed by Ray/ZE2JV operating on 1801.5 Kc, 10 watts input, sending "de ZE1AZD" at intervals (F.S.K.) and carrier is off for approximately 18 sec every 7 minutes. This is atop a high Mountain using vertical half wave center fed antenna, a real inspiring antenna. Reception reports requested via ZE3JJ. It is expected that 160 meter DX QSOs will be sought after as often as possible although the exact times of operation are not set yet. Operation generally will be during Darkness Hours, and QSOs at random or special DX periods. VFB Chaps!!!! Beacon which is on 24 hours a day has been heard in South Africa - 700 Miles away - first reports.

FLASH!! No.3

FIRST EVER!!! JA/W 160 METER QSO made November 12th, 1421Z when JA6AK 349 QSO'd W6GTI 569!!!!

FIRST EVER!!! JA/KR6 160 QSO November 12 when JA6AK/Ikuo/449. wkd KR6BQ 559 at 1525Z

CONGRATULATIONS ALL!!! and thanks to Takeo/JALCR for this news, and who says he is on 160 now. His big thrill when he wkd JA3AA, JM, 2WB, 6AK 1st time on 160 and w/ same antenna made 11 yrs ago. Says there is much excitement in Japan over the 160 meter band with more and more stations coming on all the time. Thus far JAs on are:: JALCR, CNE, 2YT, WB, 3AA, 2P, JM and JA6AK. Takeo says DX stations QSOing Japan should stay in 1800-1825 Kc band or 1975-2000 Kcs on account of LORAN QRM which is terrific on 1850. All the JAs must use a SPOT frequency of 1880 Kcs which creates a problem, but Takeo says the cooperation and sharing of this fy mutually between the JAs has been gratifying. Tnx mucho Takeo. (CORRECTION REFERENCE JA NEWS - W1BB BULL No.1 p2 "JAPAN on 160" Mr HARA is Director of J.A.R. Call JAPAN - sorry!!!) --- JA6AK/IKUO sez, best reception Ws between 1803-1809 & above 1994kc

"THE UPPER 5 KC"

European DX seems to cluster between 1823-1827 Kcs mostly, as their best spot for "getting through"!! Experience has shown that strong W/VE stations operating above 1820 Kcs may, and usually do, "Clobber" this DX. It is recognized that ANY W/VE has a perfect right to operate here regardless, and without anyone criticizing him for it. NEVERTHELESS it is hoped that all W/VEs, and particularly those who would like to work DX themselves, would bear this in mind for the good of all. There is lots of good CW room below 1820 Kcs. Any who have had a DX QSO obliterated by these strong/close W/VE signals in this upper 5 Kc will understand. If for some good reason - and occasionally there ARE circumstances requiring working here - it would be helpful if stations would revert back below 1820 Kcs as soon as possible -- it isnt intended to say that one should NEVER work above 1820 Kcs -- and these remarks apply only, of course, to the limited periods of activity on 160 when DX is possible or coming thru, and especially during ALL DX CONTESTS.

FLASH !! No.4

Mark Calendar for the 160 METER TRANSATLANTIC DX TESTS DEC 6th and 20th, JAN 3rd and 17th, FEB 7th and 21st 0500-0830 GMT per previous announcements.

Mark Calendar also for the CQ 160 Meter WW CW DX Contest weekend January 29,30,31!!!!!!

HOW TO READ W1BB SUMMARY 160 LOGS --- For example - *W8GDQ: G2PL, GI6TK, DL1FF. "Cdx FB" - W8GDQ: 3
is station whose operations are being reported. *W8GDQ: Asterisk * indicates information from
actual report from W8GDQ/ no asterisk, information "Gleaned" here and there by W1BB, and accuracy
NOT guaranteed. G2PL DL1FF Underline means WORKED or QSO - NO underline, means HEARD only. "-----"
Quo, means excerpte from W8GDQ reports. Comments w/no quotes are BB's comments. -- OK????????

TRANSATLANTIC DX TEST NO.1 - DEC6 --- This was not too successful due to Cdx - however some good
unexpected events took place. Arnd 0500 G3PU, RFS, LIQ, DL1FF came thru. G3PU's sig outstanding -
DL1FF gud @ 0100 - GM3NAM hrd also QSOing 9L1TL - VO1FB hrd 9L1HX & wkd 18 Cs !!!! - HR3HH did land
office biz wkg W/VE/VO fast as cud wk-sig fb peaking 569 @ BB - 6y5XG active - W1BB/1 out of bizz
due hvy sleep storm/covered 265' High inv Vee w/1" ice - swr went gally/west/cudnt load/one end came
down-went home QTH/wkd VO1FB only --- Bright spot/excellent participation by large number DXers.
FYswl/RASP FB wk - New Stn ZP9AY!! ----- DX ACTIVITY::: HR3HH:W8GDQ, FGB-K5JVF-K9PAW-Wa9GAR -
VE3ABG • 6Y5XG:VE2UQ, K5JVF • *G3PU:VELZZ, 2LI, ATU, UQ-VO1FB • *DL1FF:VE2UQ, ATU-VO1FB • *VO1FB:BB/1
DL1FF-9L1HX-GW2IP, 3SSK, PMR-GI3PDM, SKH-G3LIQ, RBP, RTH, RES, RCY, OFA, PYI, JXG, RFS, PU, SED, NHE, OOT, WYI, KBC
an outstanding trick!! "If any dx stn wants skeds/happy oblige" • PY1NFC:ZP9AY • *Gswl/SMITH: "Vy
poor results" 9L1TL, VO1FB "Many Cs QRT" • *Gswl/IBALL:"Whr was BB/1?!!-No Ws hrd-we are in mess w/
DHJ58/1 1919kc!" • *FYswl/RASP: 1BB-2GGL-3GQF-~~W8GDQ~~-5KUA-K5JVF-8GDQ, FGX-WA8BRU-9SYV, TGB-K9PAW, WTS-
ANWX-6Y5XG-ZP9AY-VE2UQ, DDR-2UQ-HR3HH-DL1FF" Nvr hrd so many stns-such gud sigs-most interesting-
many sed 'band poor'-'Band Closed'-'No Dx Cmg Thru'-ZP9AY my 21st SWL Cnty-no 2mc stns"-Rolf cmg to
USA Jan few mos, w/1 buy HQ180A Rx vfb!! • W/VE/VO ACTIVITY::: *1BB:VO1FB, DL1FF, 6Y5XG, HR3HH, G3PU, RFS
*VE2UQ:DL1FF-6Y5XG-G3PU • *8GDQ:HR3HH-6Y5XG-G3PU-DL1FF-DHJ58/1 "On late-missed peak" • *IWI:"Test
complete flop/no dx hrd" • *8FGB:HR3HH-DHJ58/1 "No otr dx hrd" • *4WUW:6Y5XG-HR3HH-G3PU" bnd queer
fast QSB-cld dx-ND" • -3EIS:VF2AV- • 1BNQ:6y5xg • K9PAW:HR3HH • VE2LI:G3PU, 6Y5XG, DL1FF • K5JVF:
HR3HH, 6Y5XG • VE3ABG:HR3HH • VELZZ:G3PU, DL1FF • ANWX:DL1FF • VE2TU:G3PU • OTHER PARTICIPANTS:::
G3SGC, GJL, RSP, JBR, EVE, KBC, PY, NHE, SED, SVI, SYS, JLE, TLY-2IMNK-GW3ENF-OK1KF, AKU-3QFP-9L1HX-GI6TKG8AX
HB9DD, GM-VF2AV ----- W1PPN, VCE, BSS, WA1CAG/1, 2IU, LEB, HEY-K2CHQ, GAL-3GQF-WA8KNJ, SYV-K4WPK

TRANSATLANTIC DX TEST NO.2 - DEC 20 --- All agree, this was a GOOD test w. fair dx endx & many QSOs
STAR performers, DL1FF, GI3PDM, G3LIQ, RAU, MYI - important was 9L1TL briefly on 1804.1 to QSO BB/1 B4
QSB out - Gswl Iball h/15 & SMITH h/17 OUTSTANDING SWling. • DX ACTIVITY::: **DL1FF:BB/1, BB-2UWD, GGI
W1W (2KQF-SHRV, FPU-VE2UQ, LI-3DDR, AGX-VO1FB) G3LIQ:BB/1-2IU, GAL, G3RAU:BB/1-2GGL, G3MYI:BB/1, a1CAG
GI3PDM:BB/1, WY, HGT, BU-2IU-VO1FB-"Hv New higher gwv-wksfb" • GM2BUD:BB/1, BU, ECI, HGT-WA1CAG-VE2LI "I
Didnt wk any bt big kick trying" • OH3NY:BB/1, BU-2UWD "Am on reg fr 160 dx QSOs" • 9L1TL:BB/1 •
G3PCA:BB/1 • G3JML:BB/1 • G3SGC:BB/1 • GM3IAA:BB/1 • G3RFB:BB/1 • G3PU:BB/1 • G3RFS:BB/1 • Gswl/IBALL:BB/1,
BU HGT HGT-2KQF, GGL, IU-3EIS-SHRV-9PNE-VE2UQ, LI, 3DDR, AGX-VO1FB, BD "My head still buzzing w/Dx-best
this yr-used indoor ant cut DHJ58/1 cross med-logged 18dx-cdx excellent" • Gswl/SMITH: BB/1, WY, ECI,
HGH, WA1CAG-2IU, EQS, K2GAL-2AJS, EIS-SHRV-VE2LI, UQ-3DDR-9L1TL-VP3NY-Nice wk QSO!!! • W/VE/VO ACTIVITY:::
W1BB/1:9L1TL, G2PU-3RAU, MYI, PCA, JML, LIQ, PU, RFB, RFS-GI3PDM-GM3IAA, TMK-DL1FF • WA1CAG:G3MYI • LHGT:GI3PDM
IWI:DL1FF, GI3PDM • LBU:GI3PDM • 2EQS:6Y5XG • 2IU:DL1FF-GI3PDM • 3EIS:G3RFB-DL1FF • K5JVF:9L1TL-DL1FF peak
549-G3RBP 8GDQ:VF7NY-DL1FF"Severe snow static-hv 493 counties nw!" • 8FPU:DL1FF • *VE2UQ:G3RFB, PU, JML
MYI, RAU, LIQ, PCA-DL1FF-GI6TK-6Y5XG-VP7NY-~~W8GDQ~~ • VE2LI:DL1FF • VE3DDR:DL1FF • VE3AGX:DL1FF • VO1FB:DL1FF-
GI3PDM • OTHER PARTICIPANTS::: K2CHQ, GAL-3GQF, AZR-K9MTE-ANWX----G3RSD, RYN, PRJ, ADH, REU

CQ 160 METER WORLD WIDE CW DX TEST/CONTEST----- Mark the Date Saturday Jan 30 0200GMT to 1400 GMT
Subday Jan 31 for this important event!!!! W/VE/VO get 10 pts/QSO w/ALL DX stns-2 Pts other W/VE
/VO QSOs ----DX gets 10 pts/QSO w/ W/VE/VO-5pts other DX-2Pts their own Country ---- ALL get 1 Mult
for Each W state, VE Province or DX Country ---- Score: Total pts X Total Mult --- EXCHANGE:W/VE/VO-
RST plus Contact No. plus State/Province ie (W2EQS 579001 NJ) ---- DX:: RST plus Number only ie
(DL1FF 549121) ---- Hawaii & Alaska considered DX Countries ----VEL has 3 Provinces, NS-NE-PEI ----
LOGS to "CQ/160 Contest" 14 Vanderventer Av. Fort Washington L.I. NY -- Any Questions, or for logs
write W2EQS - S000000000 Climb aboard for this VFB event - have barrells of thrills and fun - "THE"
160 Meter event of the year. Charlie/W2EQS as usual will write his VFB report for CQ Mag. B.C.N.U.

160 A PIRATES PARADISE!!! -----So states G3RAU/Derek who lists following 64/65 crop of "Funny/Men"
LA2VF-SV4Z-VE8HL/SU-0Z7BS-0Z7BL-0Z1JB-4ULTU-NA5AA-ZB2A-TF5TF-OY7FP-F2GL-3A2BC-3A2CB-UA5NBG-ZL3R5-4X
4X/SP5DY-VS6QP and numerous UA-UBs inc UB5JF ----- G3GVA/John QSO'd SP2ESZ 7/10/64 1821k gve 449
got 779 but would not gethim to give QTH - spsoects phonic -- G3LIQ rpts FA8LP S9Plus/suspects PHONI
Other known BAD ONES are LA2VF-PM2ZA-7FEET-GO2BED & a pirate W1BB operating at same time as
BB himself - it is suspected some one or two "JOKERS" in G/land or nearby is using all these calls
and steps are under way to try and catch him/them. W8JIN/Jim wks ON4QU S5 to S6 0525z Nov29. * THIS
is believed a "W" phonic - this was only European Jim hrd-INCREDIBLE!! Plus fact the "OLD RELIABLES"
fm Eu were cmg thru to East Coast byt vy poorly at same time Cndx were poor. Latest Information at
W1BB - ALL U stations off 160 - possibly (Hope) USSR had Change of Heart allowing Us on?????? Doubt.

"WINTERIZE" YOUR ANTENNA de W1BB ----- When putting my inverted VEE up on the TOWER at W1BB/1, (Apex at 265' above salt water ground plane) I thought of the SEVERE winter gales and ice storms we occasionally have here. Antennas when iced up become unbelievably and will break most anything particularly when stretched out straight between support points. -- Not relishing a trip to the top of the tower to put up new ant in case ice storm took it wdn, or being out of service for considerable time, the following precautionary steps were taken, --- On each end of the VEE, in the guy holding the outstretched VEE legs, a piece of No. 16 stranded soft copper wire was placed - the main ant. itself is No. 14 copper clad steel. The No. 16 soft copper wire was intended to be a "Safety" link and under severe strain to first stretch and then break - letting the main No. 14 section fall down vertically from the tower, it's guy wire trailing on the ground - thus relieving the strain and possibility of breakage on the uppermost section, or support - the most difficult to Reach!!!, & especially hardest to repair in cold winter wx ----- The weekend of the first TRANSATLANTIC DX TEST we DID around Boston, have one of these severe gales and icing storm. IT WORKED!!! Perfectly!! Although W1BB/1 was off the air for the first TEST, BUT back on again after the storm subsided. There was about 1" Diameter of Ice on the wires when the "Safety-Link" let go!! Window weights, and pulleys sometimes used dont work - they ice up and stick and are useless. -- A "Safety-Link" IS good antenna INSURANCE if you live in a possible ice storm area.

EXTRA CONGRATULATIONS - FIRST!!! JA/EU QSO!!! ----- Dec 16, when Armin/DL1FF 1827/579 QSO'd IKUO JA6AK,559 at 2145z 1880k after few skeds & 80 Meter QSOs - WONDERFUL!! TAKEO is sure going to town putting JA on 160 Mtr DX map!! Keep up th good wk!! (G3FM hrd JA6AK 2155z 24NOV 439 @ IKUO w1 try B on evy day 2145-2215z 1880 k lukg fr Dx!! JA6AK hrd W6ML 559 QSOing W6VSS 1405z 29NOV

CONGRATULATIONS SAM/W1BU and RAY/VK3ATN on VFB SCHEDULES ----- Conducted between October 29 & 8 NOV 11 times - VK3ATN always readable 3 to 6 units over noise level. SSB sigs read on 10 of 11 skeds. Two way SSB QSOs several times @ 1130 GMT - Discontinued 9 NOV becuz QRN -- VK3ATN/BM/KO w1 all b b back in spring - ATN uses vert 153' high self supporting gnd plane- NICE WORK Sam and Ray,VFB!!!!

FIRST EVER OKINAWA/USE ----- Between KR6BQ, Jerry Hale (K6PIV) and W6GTI 28NOV64-CONGRATS!!!! Jerry has also wld JA3AA&JA3WP,JA6AK,9M4LP for FIRSTS!!! and w1 B covering 160 until he leaves in FEB for JA land himself. It is stated that a previously reported QSO between W6JTB/6 and KR6TZ should not be considered a FIRST as it was actually mistaken identity - it was actually KR6ML and because of conditions the call was inaccurately received. Sri!!! This fm KR6ML himself.

THAT "MONSTER IN OUR MIDST"!!! ----- A new station DHJ58/1/2 1819.5 Kc has appeared in our band since NOV putting an S9 sig all ovr the world. Armin/DL1FF will try get complete story. So much is known now ---This is German Naval Station near Keil running 10 KW OUTPUT!!! It is messing up 1.8 Mc real bad causing GROSS MODULATION all over Europe, and QRN to W/VE and other DX Stations. Guess We'll have to live with it HOWEVER - German Navy isnt likely to move Fy for Amateur DXers!!! SOOOOooooo

FIRST G/9TL ever QSO!!!! ----- Believed to be when G3RFS339 QSO'd 9L1HX229 12DEC64 0024z 1804.1k followed by QSO w/9L1TL569 -----ON 13DEC64 9L1TL was QSO'd by G3OLI,RAU,RPB. CONGRATS!!! OK?????

W1BB SUMMARY LOG

WEEKEND NOV 8 -----*W1BB/1: G3LIQ,RFB,RBP,OQT,SDP,PCA,NXJ,RLF,SCF,RFB,RCY,REA,OWR,DL1FF-G6BQ-DL3JV, W6UOV • 1BU:G3LIQ-DL1FF • *G3REA:W1BB/1"Big thrill QSO w/only 10w-experimenting DIFF ants" • OH3NY: "No DX" • *Gswl/IBALL:W1BB/1459"Hrd Phonic FA8LP 10 over 9!!!" • *Gswl/Whittington:BB/1,VOLDX,K2PIN, VE2ATU • OTHER PARTICIPANTS:::G3JVJ,RYZ,JXC,SED,HWY,TCF,SGC-2PIV-GM3TMK,IKD-OK1KVK ---W1TX,HCH-2EQS,IU,BWR,FBA-K2IVT-3AZR-WA4DUS-K5JVF,MZU-6JTB-SFPU-WA8KNJ,LJI-9KYW-K9MBN-VE3QU,ABG,AGX ----- Many stns went off early because of Vy High QRN - wx clr cool moonlight-calm -GM3TMK

WEEKEND NOV 15 ----- *W1BB/1: G3RFP,TLO,MWQ,LIQ,SED,ORH,OQT,RAU-6BQ-SAX-GM3TMK-KP4A00-VP3CZ-6Y5CZ • VE2UQ:KP4A00,VP3CZ-6Y5XG • W1HCH:6Y5XG-VP3CZ • W3AZR:6Y5XG • 1PH:G3MWQ • 1DMD:KP4A00 • VE3DU:VP3CZ • K8IQQ:KP4A00 • VE2ATU:VP3CZ • W2IU:6Y5XG • 2EQS:VP3CZ • *Gswl/HOUGHTON:BB/1 • *8GDQ:6Y5XG-VP3CZ-KP4A00 • *KP4A00:BB/1-VE2UQ-2EQS-HK4ATG-HK4EB-6Y5XG • 6Y5XG:W1HCH, BB/1-KP4A00-VE2UQ-3AZR-HK4EB-HK4ATG • *GM3TMK:BB/1 "1st W/Real THRILL - only licensed since SEP 10w-HRO-260' ant-"Q"Mult" • HK4ATG:6Y5XG • HK4EB:6Y5XG • *Gswl/IBALL:BB/1"End Poor-Comm'l QRN" • *DL1FF:BB/1-KP4A00 • OTHER PARTICIPANTS::: W1UJ, BHQ-KLLMO-2FBA, FYT,RSV-K2GL-WB2DXL-K5JVF-W7ZCK-VE3BWy ---G3KTEJ,PCA,TFX,TLX,SED-2IM-DL1FF-OK1KGZ,BY-HK4ATG,EB 1804 ----- MANY STATIONS ON!!!. 9 Countries represented KL7 believed on -

WEEKEND NOV 22 ----- Wx Crystal Clear-Moonlight-32F-Not many stns ACTIVITY:::*W1BB/1:G3SPU,RAU, OQT,PU,RFS,SED,TKW,STC,TEK,MYI,LIQ,RFB,REA-2NJ-6BQ-GI3FDN-DL1FF-CW2SSK-G3JEC • *VE2UQ:Wa6ATY,KP4A00, VP3CZ-6Y5XG • *G3PU:W2GGL-BB/1,HCH-VE2ATU • *DL1FF:BB/1,WY-2GGL • Gswl/WHITTINGTON:BB/1 • *Gswl/IBALL:BB/1 • *Gswl/SMITH:BB/1 • OH2HKSEB/1 • *GM3TMK:BB/1,HCH "Cld & Cld U-MD!" • OTHER PARTICIPANTS:::JWY, JEC-KLOCK-2GGL,EB,INC/2-WB2HAL-K5JVF-WA6ATY-K9GRJ -9UKV-VE2ATU-VE3DU,AGX,DDG ---G3OQT,TCG,ADH,TKW • STC,RJF-2IM-5XN-OK1KVK-G8PO-OH3NY-VP3CZ-6Y5XG.

WEEKEND NOV 29 ---- Wx cldy-40F-WWV/N6 av cdx ACTIVITY::: *W1BB/1:G3LIQ,RFS,RAU *W1WY:G3RBP, 5.
 PQA,PU,LIQ-HR3HH-VP9BQ "Cdx not best-hrd let SI Sigs" 1BHQ:G3RAU *1TX:G3RBP 2EQS:HR3HH-G3RAU,RBP
 2IU:G6BQ,3PU *8GDQ:HR3HH-DL1FF *8FGB:HR3HH-DHJ58/1 *VE2UQ:G3RAU,PU,REP,PQA,BA-8FC-VP9BQ-6Y5XG-
 DL1FF-HR3HH *G3RBP:BB/1,WY,TK-2MCU,NCG,EOS,FB-K2GL-W1BHQ-VE2UQ,NI G3LIQ:BB/1,WY-2EQS-VE2UQ
 *G U:BB/1,RHQ-2EQS-VE2UQ,NI DL1FF:BB/1-VE2UQ,NI *G3PU:BB/1,WY-2IU,EQS-K2GL-VE2NI,UQ-WA1CAG
 *OH,WY:BB/1 "160 is most interesting" *OE1KU:BB/1 *VOLFB:G3RAU,REP & 4 Otrs *Gswl/SMITH:BB/1-
 Wa1CAG-K2GL-VOLFB-SV,7Z *Gswl/WHITINGTON:BB/1 "Hrd W8NRB/UA3 - on 14mc-FHONIE???" *W1BB/1:MISSED
 A FEW - G3RBP,RCK,PU,MYI-SED,BA,TKJ,TMA,OOT,REN,RLF,LYW,REP,REA-DL1FF-OR1ZC-GW3CW--G8RQ-GI6TK-G2MK-
 GW3SSK,GI3NZZ-G8NF-GW3NAM. THIS WAS DURING THE CQ WW DX TEST

WEEKEND DEC 13 ----All in all this was best condx this yr - OMA hrd under WWV indicates GOOD CONDX
 Wx Clr Calm WWV N6 Band good!!! Much DX worked. IQSY Conditions. ACTIVITY W/VE/VO::: *W1BB/1:G3LIQ
 MYI,BEG,RZI,OOT,JFY,IMK,OUV,FM,TLY,REP,RFS,BA-4BQ-DL1FF-GI3PDN *1TX:G3MYI,RFS,LIQ,RBP-6BQ "Now tt
 my wine is made & only needs bit aging - w1 be pitching on 160!!!" *VE2UQ:G3LIQ,RFS-6BQ-GI3PDN
 VP3CZ-6Y5XG-DL1FF-G3MYI,RBP *W3EIS:G3LIQ,RFS-6BQ-GI3PDN "Use 380'lw 90' hi far end-50w Ranger
 *8GDQ:G3HLA,LIQ,RBP-VP3CZ-DL1FF-GI3PDN *8FGB:XE1OK G3LIQ-VP3CZ-G3RBP "Our 50' wire does wk on 160"
 W9PNE:VP3CZ-G3RBP,LIQ,RFS,MYI-6BQ-VOLFB-DL1FF,GI3PDN "hit 160 hrd toda aftr slo start this fall-hv
 new radial wire gnd-great improvement- Viking Navigator Tx 50w-marconi ant 536' effective- east coast
 stns put up quite barrier 1800-1805- phones on 1822 raise havic - wish they would move below 1820"
 *WB2NBE:DL1FF,Many Gs "Never hrd band like it was-HRO m' best 160 Rx" *W3AZR:G6BQ-G3LIQ,RBP-DL1FF
 "A real dandy weekend bt nil-using Inv Vee - w1 tri dipole" *K5JVF:VP3CZ-G3RBP "Cld G3RBP until hd
 glass arm-nil-disgusted" DX ACTIVITY::: G3LIQ:BB/1,TK,WY-2IU,GGL,KOT-3EIS G6BQ:BB/1,TK,HCH-2KOT-
 3EIS-VE2UQ DL1FF:BB/1-2GGL,KOT-3EIS G3RFS:W1BB/1,TK-2UWD-VE2UQ,ATU-VOLFB GI3PDN:BB/1-2UWD
 3EIS-K8CRJ-VE2UQ-VE3DDR *G3RBP:W1BB/1,TK,HCH-2GGL,3GOF,EIS,AJS-8PNE-WA1CAG-VE2UQ,LI-9L1HX "W1 b nr
 LANDS-END adter DEC28-lots bug ants-top of cliff"!! VFB!! Also W8FCB,EMS GDQ VP3CZ:8GDQ,FGS-
 K5JVF *Gswl/IBALL:BB/1-3EIS,AJS-K8CRJ-VE3QU "Used inside ant to cut cross/mod fm DHJ/58"
 *G3OLI:9L1TL G3RAU:9L1TL 9L1TL:G3OLI,RAU,REP,RFSYesterday Gswl/SMITH:BB/1,WY,TK-2IU,FYT,GGL,FYT,
 KQT,UWD-1BHQ-VE2UQ OTHER PARTICIPANTS::: W1CHG,PH,BSS-2BHT,UKS-3AJS-6ATY,ML-7CZA,ZCA,JVF-K7HDB M8W
 8EMS,JIN-K8RNE,CRJ-VE3DDR,2LI ----G3IMK,OUV,FM,TLY,RYM,SED,ADH-GW2IG,SSK-9L1TL,HX-GM3PMR-VP3CZ-6Y5X
 GM3PMR wkd BB/1 - ALL in ALL again we say, a very FB weekend - here's to many more like it!!!
 Mi add - on December 27th W9VXO wkd G3RBP to receive a 569 report!!! VFB Herb, W9NW also wkd his

MISCELLANEOUS TOP BAND NEWS ITEMS

CONGRATULATIONS W2EQS/Chas-No.44 COUNTRY!! 11.1.64 by QSOing w/VP2AV/Ted 0320z "Ted had swell sig
 hr" *K81QQ/Joe::Vy active this yr lkg fr Dx-Lsn fr Joe!! *VE3DU/Dave::Hrd DL1FF/Sep-0X3DL/Nov-
 hoping wk much dx this IQSY-luck/Dave *W2UKS/Bill::w1 B on w/75A4 & 1w & Throttled dwn
 Viking II - H/HQ145x,SK100& HC10 Converter fr sale- write Bill!! *CONGRATULATIONS G3RCY/Dave::
 after 2 yrs try finally hooked W1BB to receive 549 11/9/64 *OH3NY?Matti:: a real VFB O.T. on 160
 w1 B active 64/65 - rec'd 160 QSL fm VP8GQ - wkd 83G COUNTRIES (Not Countries) *GOOD NEWS de VE2UQ
 Gord:: "Rec'd QSL de C07RM-AUTHENTIC!!-he uses Viking II"Gordy reporte much noise his QTH-thinking
 of moving - best luck-wkd KP4A00 recently for A00's 1st VE-FB!! *K1KSH/AP5/"Sparks"Lunney:: Still
 awaiting AP5 lic - sez band quiet and gud AP5 fr 160-no QRN at all. We'all waiting too Gary!!!
 *W2ELN/BRAD:: Covering 160 w/HQ120X but noise terrific/spoils DXing-trying hv pwr Co & FCC to
 "Fix it up" - no luck yet-sorry!!! *W8GDQ/WILLIE: Back on 160 w/Ranger-has trble BC Harmonics w/
 vert ant-spoils sum DX. CORRECTION BULL #1: It was G3LIQ who wkd 0X3DL (Not G3OLI) Sri!!! (A
 typographical error) *W3AZR/IKE:: "XE1VT w1 b on fr CQ/160 TEST - hv hrd G,GW,DL,KP4,VP2,VE8 this
 yr - hv inverted V apex 90' wks well - w1 hv 2000' lw sn - want to promote new DX stns etc" VFB Ike
 *G3OQT?Dick:: w/"Polished-up" ant hps hit bdn hvy -expects best season yet - FB!! *WA8DUL/Frank::
 Moved QTH to Middle Dayton Ohio - lots QRN/trolley,flourescent/blankets,appliances - however has
 hrd G,DL,KP4,ZL - w1 B on CQ/TEST. *KP4A00/ROGER,(E8Wn8VRO) suprired us all by cmg on 1998kc
 w/walloping sig fm borrowed Valiant QSOing K7DEK/7,W7ZCA,Wa6ATY,K5JVF,W8PBU,9KYW,1BHQ,2EQS,Wa1CAG,
 2KHK,IU,1BB, Rog is USCG op @ KP4 bt transfers to N.C. then Ocean duty N. Atlantic 44N-41W
 35N-48W,52N/35W,45N/20W etc - w1 SWL 160 fm tha!!! Dad is K8LHL-Mom,K8NCR-a real HAM fml-y-w1 b int
 those Ocean SWL rpts Roger!!! *W7ZC/Retired O.M. DAVE:: sez W6 fones crowding CW off band in Utah,
 LORAN bad too-uses 200w,500'lw,3950asl,1938HRO. W7ZCA most active midwest stn -Dave has 18 states
 nw-old stuff fr me-did it all 1920s-200 mtrs then call 9BJL - W6s ruin 2000Kc End fr CW" Sri!!!
 *KU/Willy/OE1KU:: w1 b active 64/65 esp Sun AMs & DX tests - Nov 28/29 wkd 30 stns in hour inc
 UB5FJ (Pirate?) sez CORRECTION BULL NO.1- FIRST GM/OE/9A1/ZB QSOs - it is OE3TL, and not OE3JL. Thx
 Willie/sri!!! benu/160!!! *G3SHM/Rog:: reported QSOing W1BB early evening 26NOV. TOO BAD!! A
 pirate using W1BB call - BB Operates DX only as W1BB/1 and it would not be possible to work Gland
 their early evening - daylight here - not BA 2100z or G/10PM - this isnt the first pirating of W1BB
 A G/swl reported hearing W1BB/1 and W1BB BOTH on the air AT SAME time!! Sorry!! *K5JVF/DAVE::
 Active,wkd VP2AV,XE1OK,KP4A00,6Y5XG "KL7AUV Active-East Coast stns pour this yr - VK2QL active"

W3FGB/Dean: (Ex Wb6AFI) Active/wkhd HR3RH-hr3DHJ58/1 29Nov-uses Dx100B/100w, KVM2 w/160 converter-tilted vert wire ant w/base load coil. Wa6ATY/BOB: New QTH, quiet shores, lake MONO w/vft inv V 80' hi Apex-Great!! Wkd W1WY, KP4A00-wl b after 160 actively 64/65 - fine!! G3LIQ/Dennis: "Gs en use 1800-1900cw/1900-2000f one - call Ws mostly 1825-30 becuz asked to-lots Comml QRM on 160 th -request VPs and "WA-DX" on 1800-1820 luk fr Eu Dx 1825-30 - they call and call and dont get th - pse lissen for Eu DX!!" V88MB/W8GHE/exKCAUSN/Jack: Resolute Bay NWT "Hv Equip bt unable gt opr permission de CAN CIV AV Branch hr to put up Ant etc-is Nw middle winter/24hrs darkness/vy low temps/even if hv permission/unlikely oud erect ant in dark/cold-am DISAPPOINTED!!" We'all vy WEE sri Jaak - Hw abt 65/66??? G3SIE/MIKE: w/10w-85' vert new QTH & 10/135' radials wkd BB 9 Times-vfb!! G3PU/Ern: vfb sig fm inv V & old LW - lw best believe - high up over water!! GC3EML/Channel Isl "Hurricane took dwn ant/tree fell cross it-hp B bk on sn" Sri/John Gswl/JOHN HALL/nw G3TOK: CONGRATS!! After 30 yrs swling "Made-it" - but nw off on trip visit 9G1, 9Q5, 2S5-maybe otrs-wl try activate DXers tha-best'0 luck!! 9L1HX/PETER DODD: wl b 1804.1 often/possible w/ant 1100' SLL asl He & Lloyd 9L1TL wk together - needs more 160 Ktals -got SWSW interested 160 whn Ghana gvn 160 - SWM rptd he had applied for lic/ got ltr fm BE/visited by G3PLQ/mm-askd BB-QSO'd 7/26/64-sez "Tnx stew advice/encouragement, and THAT THRILLING FIRST QSO!!! I hv become 160 mtr ADDICT"!!! Pete. W2AJS/ED: w/vert wkd VO1FB--aftr yr serious illness mother passed away-90yrs-vy sri Ed-bt nw more time for 160-Jr, KYL got her novice! Bothered by DHJ/58/1 "CAN WE TODD HIM OUDT??" (Wish we cud) wl b active 160 '65 W1WY/FRANK: (A loyal 160 booster)"We hv bn hvg gud 160 coverage in CQ-also my Col column" Yes Frank VFB 160 gang appreciate!! Tnx!!"My dipole nw raised 60' middle-50'ends-use coax fddr-noise hr vy hi-ssb boys a problem on 160 DXing" Tnx Frank OY7ML/MARTIN: "Sri cant b on this wntr/no Rx-OY7FP, OZ7BL, LA2VF all pirates-still no possibility 160 license NORWAY/DENMARK/FAROE/SWED lukg fwd Stu Myer cmg to OY land" - Tnx Martin VS1LP/9M4LP/Bob Snyder: Active agn-hrs DHJ58/1 599 1819k all nite long to 1ghr aftr sunrise-wl b on CQ/160/TEST -, requests AFRICAN&S.A. stnd pse luk fr hm 2000-2300z 1.8mc. Wkd VK5KO, KR6BQ, JA6AK CQ/WowTEST 1800-1835k (BB qso'd hm 1833Kcs) K7DEK/Maury: Active Dec6wkdW1EHQ-Dec12hrdW1BU-wl b using 120' vert!! "VAN" VANDRE-W6DUS/4: Ex KR6ML "With due respect to W6JTB/6 gang-they did not QSO KR6TZ 25jan64-they DID QSO me/KR6ML-they never did get my call straight-QRM/QSB/QRM-sure ADMIRE their persistance/kept at it until we lost each other. Only otr KR QSOs I made were VS1LP 25jan64 and tt partial W6JTB/6 23feb64 - did hr W6YY VSS W- Wa6JCD-W7DL-KH6EPW-used RANGER. KR6's auth 500w/used 75A4-LORAN not bothersome Nr 1995" Tnx!! W. HAL/"By": uses vfb 616/23w QRP rig in closet!! w/Regen 6Aq5s Rx-sopp 20' high - wl hv Balloon & wv vert for TEST "160 vy friendly band-a real CHALLENGE esp w/my stn - ENJOY it!!!" VE2LI/George (ExG5LI)"Nice to b on 160 aftr many yrs off-came VE1'51-hv 264' cntr fd dbit-wks fb-build gear/divide time btwn 432mc(Wkd W1BU) & 160-pwr line noise bd hr-wish cud opr fm my 2 1/2 acre estate in Laurentians!! Quiet tha - BUT COLD!!! - hv wkd G3RBP, LIQ, RPS, 6BQ, DL1FF " VFB GEO!!! K7DEK/Maury: (College boy)"Bnd this wntr much btr than any last 5 yrs - wl b using 180' tower - Hammarlund Noise silencer in my HQ110 wkg vy gud" W6ML(ExW6KIP)ALEX: "Hrd 9M4LP(VS1LP) druing CQ?WV?TEST - hv hvy CONSTANT bad noise ALL NIGHT now!! & my noise reducing ant was destroyed in fire - spoils DXing" Vy Sri ALEX OM!! NIKAL(W9SZR)Box1807 Santo-Domingo: hopes 2 B on B4 CQ160TEST w/HQ180 & Ranger using 80 mtr dbit as marconi - b.c.n.u.Fred G3PLQ/mmJOHN: Still on shipboard monitoring 160/trying inter interest HAMS in African Ports on Coast to get on 160 "The excellent thing about 160 - it's so wonderfully absorbing, compared to the HF bands!!" Ricky 9G1DV wl nt B on this yr" Sri-space does nt allow copy John's vf fb long ltr. VOLED(ExFP8AY)Roly: "Wkd G3RBP, RAU, VE2UQ, BB/1 on phone - interest 160 since '58 sporadically. Use 135' endfed lw-VikingII-wkd 9L1TL!!!! am getting Valiant - am High School Teacher Hr/Chemistry/also part time Ro Stn Announcer" FB ROLY!! Nice hv U on fm VO.(His frnd Joe/VO1FB also on fm Wfld "CUTTING THE ETHER" G3PEO/ERIC: Active but QRM'd by many Comml's in 160 bnd - at times feels like ~~chucking~~ chucking 160 - VOLED been cuming thru almost evry evening bt Comml QRM Terriffic - but I'll be in there "Pitching" FB Eric - you cant lick a 160 mtr man!!! W3RGO/SHELY: Formerly vy active 160 - has 1830-1850-1870 Ktals for any of the boys who want them feels that the 1830s esp can be leaded and changed. QRL family/TV Biz-nt too much time for 160 nw. Also has 1890 Kc - all in DC34 Holders - write Shely. Tnx Shely Vy Mu----- W0VKO HERB SCHOENBOHM: Still playing GREAT MUSIC BY DAY AND NIGHT fh ~~HERB~~ KEVE/Minneapolis now KQRS -- AND!!!! after MidNite loads up the 266' High Tower, in a ~~SWAMP~~ Marsh Swamp w/ground screen and 300' Radials using NC300Rx and Globe Chief Tx -- at abt 0730Z Goes home and operates fm 260' long center fed Dbilt w/600 Ohm open wire feed w/Valiant and 75A2 -- would like comparative rpts fm W0VKO/ and W0VKO - is not sat tied with B.C. Tower yet - doesnt get out well as expected - checking loading. However fm home wkd KE1OK/Dec12-G3RBP/Dec27-got 569!!! He and Bob W0VWX friends - W0VWX uses 2500' long wire 90' High. They have both considered verticals and horizontals and feel horizontals generally best. Find ~~HERB~~ Herb on 1802.5 and check antennas with him 0/ and 0/0 9L1TL/TOM: "Operate 1804.1 & 1802.5Mc Tx is Converted ex/army 76 set - Rx AR88 and 320' LW ant one end 140' High NE/SW - too directional to Eu - hope change to dipole sn. Peter 9L1HX and I work same rig - in perfect harmony - Dec 20th wkd G3GRL, RPS, RAU, DL7AA, VOLED, OK1K1X, G3OQT, G8RQ, G3PCA, OX1LIQ(?????) Hv total of 10 COUNTRY since my first call on band Dec 5th. Listens for W/VE/VO - Wl be on all season. Tnx Tom!!!

February 20, 1965

Rolph/PYswl

Here is all the latest on 160 -- but still some more time to go this season -- all in all I think conditions have been a bit better than last year although some do not agree with me - apparently we are at the bottom of the sunspot cycle and the bottom of the curve is pretty flat for a year or so - not much better - not much worse etc - my theory anyway.

Again - thanks for your letter January 22nd - hope that your course is going real well -- and will be looking forward to seeing you on your way back if you have time come around April I believe???

Didn't hear you boys on the CQ TEST - weren't you on?? or did I have TIN ears??? Incidentally how's the S38 working??

Please give my regards to Bob Noaks!!!

Believe the bulletin carries all the other information

HAPPY TIMES and b.c.n.u.

Stew/WIBB

73! de WIBB/Stew

JANUARY 31 1965

WIBB - 160 METER DX - BULLETIN

1964/1965 - No. 3

de WIBB - 160 METER DX and "The 169 YEAR CYCLE". ---- (With credit to George Jacobs W3ASK, "The Sunspot Story, Cycle 19; the declining years") - (Available thru CQ/\$1.00) ---- The MAXIMUM, smoothed sunspot number ever recorded in any sunspot cycle, was 201.3 in March 1958. The LOWEST ever recorded was 3.3 in April 1954. The 11 yr cycle varies between an average MAX of 140 and an average MIN of 10. ---- Additionally now, it is quite certain, based on some good short term records and long term computations, that these 11 year cycles are superimposed upon a long slow 169 year cycle, such that Maximum sunspot numbers increase and decrease rather slowly over a longer 169 yr period. ---- What is of particular importance and interest to 160 DXers is that we are now at the LOW point of this 169 yr cycle, and since 160 dx are btr the lower the Sunspot No., it means that since the sunspot numbers will rise slowly for quite a few years, we should enjoy 160 DX quite a lot longer than we ordinarily would. ---- For example, the low 1964 No. will hover around 9, 10, 11, 12, 16, 18 and conditions have been quite good - in 1965 (IQSY) the lowest Nos. are estimated to be between 5 and 9 - 1966, back to about 15-25 -- 1967 back up to 20-40, 1968, 40-50 etc with the MAX at the peak of the next 11 yr cycle being possibly not over 60, or even less. The next 11 yr cycle following that might not exceed a smoothed number of 75 either - in fact S.G. Lutz, of Hughes Research Labs, predicts Nos. will not go over 75 for the balance of the Century, or until the yr 2008, and will probably average around 40!!! ---- THINK OF IT!!! Not over 40, when the MAX has been over 200, - for the next 35 Yrs!!! This means we 160 boys should have lots more HAPPY HUNTING on 160 for some time -- We are sorry for the HF boys of course, but we 160ers will thankfully make the most of our GOLDEN opportunity, ---- Why is 160 btr the lower the sunspot No., which means lower ionization of the ionosphere? - Because, the greater the ionization, the greater the absorption and less reflection of LF 160 sigs, and conversely the lower the ionization (Low Sunspot No.), the less absorption and the greater the reflection of LF 160 sigs for DX purposes. Interesting!!!! Good Theory!!!! ??? Lets all make the most of it - and b.c.n.u. as usual on 160!!!

HAPPY IQSYs - 1965 & 1966

Stew/WIBB

Stew

160 METER ANNUAL TRANSATLANTIC DX TESTS NO.3 and NO.4 ---- Generally speaking this year, with(2.) 160 Meter condx up and down as in a cycle, the TRANSATLANTIC TESTS have hit the weeks that were the low point of the cycle - with the best condx on weekends the tests were NOT scheduled for. For example, while TEST No.3 was an EXCELLENT test - the following weekend had SUPERB Condix, described by most 160 DXers as "THE BEST EVER"!!! Nevertheless, the TESTS carry on with vim and vigor, and the large participation is gratifying. Enthusiastically most 160 DXers feel they are WORTH-while!!

JANUARY 3rd TEST: Condix vy gud/many DX QSOs. DX ACTIVITY: *G3PU:W1BB/1, TX, Wa1CRK-2EQS, FYT, WND, GGL, KHT, IU-K2DGT-3EIS, GOF, AJS, -VE2LI-VP3CZ-W3BUR. "Cndx only fair-line noise-sigs below av." *G8NF:W1BB/1, TX, -K1AEC-2EQS-3EIS, MTF-8JIN-9LITL-VOLFB-VE3DDR *Gsw1SMITH:W1BB/1, TX, HCH, Wa1CRK 2GGL, KQT-K2DGT-SMFV-VOLFB. "Comm'l QRM 1800/25-Cud Ws Tx 1900-1920? Why not test this???" *DL1FF:W1BB/1, TX, HCH, Wa1CRK-2WWD, EOS, KHT, KOT, K2DGT, AJS, EIS, MEW *G3LIQ: VE3AZR, W1BB/1, TX, 8FYT *G3RFB: W1BB/1, TX, Wa1CRK-K2DGT-W3PSW *OH3NY:W1BB/1-"Band too loaded w/commis-my fy 1827 always" Matti is faithfully on every weekend-luk fr hm fellers.-"Vy anxious wk W/VO/VE!!!" *G3RFB:W1BB/1-"W/10" wire arnd picture rail - QTH hr FANTASTIC!! Hope hv inv Vee up sr-80' hi entr-200' ASL-100 Yds fm sea"!! *Gsw1/WHITINGTON: W1BB/1-"1st time logged W in evening" VP3CZ:W8JIN-1TX *G3RFS:W1BB/1 TX-Wa1CRK W/VE/VO ACTIVITY: *W1BB/1:G3LIQ, RFB, RFS, PU, RKI, OOT, CFV, 5JU-8RQ--G13FDN, DL1FF, GW3SSK-PA, FN *W1TX:G3RFS, RFB, LIQ, PU, JU, PU VP3CZ-DL1FF-G13FDN-GW3SSK "Pretty good night here" *WA1CRK:G3RFS, PU, OUV "All eve clg but only wkd 2" *W3EIS:G3RFB, PU, RFS-GW3SSK-NR3HH-VP3CZ-VOLFB-XE1OK-DL1FF-VP7NY *W8JIN:VP3CZ-VP7NY-XE1OK "Cudnt hr Eu" *W9PNE:VP3CZ KE1OK "Almost a washout hr -no Gs wk-2240 Hrd G3PU *W8FGB:CO2QR!!! W1UOT:VP3CZ-DL1FF-HR3HH-G3PU *W3AJS:G3PU, RFB-HR3HH *W8GDQ:HR3HH *W2IU:G5JU, 3OQT *W3AZR:HR3HH *W2WHK:G3PU *Wa1CAG:HR3HH *W3BUR:G3PU *W2UWD:G5JU OTHER PARTICIPANTS: G3RFS, OQT, CFV, ORP, OELKU-G8RQ, NF-ZB2AE -----W1ZL-K1MOD-3HHT-8CPI, HBR, HUZ-K81QQ-9PAW, TGB-K9JAU, PAW, KYW--RHI.

JANUARY 17th TEST: Condix only fair-after northeast blizzard/east coast-and out to sea spewing QRM both East and West also N & S causing high static everywhere and difficult QSOs-also skip was NOT good - Few QSOs - but the faithful kept at it and did OK. DX ACTIVITY: *G8NF:W1BB/1 W2GGL, IFR-K2DGT-3EIS, GOF-4BVV-8KRV, JIN-9PNE-VE1ZZ, 2UQ-3AGX, DDR-VOLFB "Sigs improving 0800z-using 80' tower w/Inv VEE-fb!!" *DL1FF:W2EIS, W1BB/1, 3GOF, K2DGT VOLFB-4BVV "Rain ststic terriffic-lost stns in Noise!!" *G3PU:W1BB/1, 2WWD, GGL, FYT, IU, KHT-W1JEC-3EIS-K8RRH-VE2UQ, 1ZZ, 3DDR, AGX-W9PNE-HR3HH-VP3CZ-VOLFB-9L1HX Nice Ern!! *Gsw1ALLEN:W1BB/1-2IU, TGB, KHT, FYM-K2DGT-3EIS-4BVV-VE1ZZ, 2UQ, 3A, DDR "0500-0610z-didnt think condx so good" *HB9CM:W1BB/1, 3EIS "Poor condx" *G3RAU:K2DGT, 3EIS, 4BVV, 8JIN, VOLFB *Gsw1WHITINGTON:W2IU-3EIS-9PNE-VOLFB "Lots QRM 1800-20k" *Gsw1BALL:K2GAL, VOLFB "Cndx not gud" *GM3TMK: "No Dx hrd only QRM/N" *G3RFB:9L1TL, VE3DDR-VOLFB-W8JIN-2IU-4BVV-K9PAW *G3LIQ:VE1ZZ "569 w/ 1/3th wve vert!!" *OH3NY:W1BB/1-2GGL-4BVV-VOLFB *OK2KET:W1BB/1-VOLFB-W2GGL-4BVV-VE1ZZ "OLIAAA etc R NOVICES-few hv lies fr 160 afr Feb" GW3SSK:W1BB/1-VOLFB. G3RFS:W1BB/1-VP3CZ W/VE/VO ACTIVITY: *W1BB/1:G3RFS, LIQ, RFB, POT, ORP, PU-8NF-5JU-VP3CZ-DL1FF-GW3SSK-G13FDN-HR3HH *W3EIS:G3RFS, RAU, LIQ, PU, RFB-5JU-8NF-DL1FF "Started like good session - then bottom dropped out" HR3HH-G13FDN *VOLFB: G3RAU, PHO, KKP, POA, RBJ, RFS, SED, ORP, LIQ-5JU-8NF, OK1AEZ-GM3KMR, GW3SSK, GM-TMK, HR3HH, G3PU, DL1FF-VP3CZ-6Y5XG "Wish cu hv wkd all hrd" *W8JIN:G3PU, RAU, RFB-6Y5XG-DL1FF-VOLFB-G13FDN "1.3 btr hr this wk" *W3AZR:G3PU, RAU, LIQ, RBP-VP3CZ-GW3SSK-HR3HH "TWO new Entries-nw hv 11-43states-3 Cont-QRM High-xyl expecting new Jr Op tonite!! Testing vert ant" *VE2UQ:G3PU, RAU-8NF-9L1HX-VP3CZ-6Y5XG-VP7NY-GW3SSK-HR3HH "Happy to wk 9L1HX hrd hm fr hr wkg Eu on 1803-QRM de Ws-he needs 1825 Ktal (W1BB airmailed him 1827.5 Xtal) *W9PNE:G3PU, LIQ, RFS, RAU-5JU-HB9CM-VOLFB"Only 4-F in shack-after wkg these went back to bed FROZEN STIFF!!" *W7UFB:HR3HH "Cudnt get hm to hr me!!" *W2WUW:G8NF-VP3CZ-DL1FF-HB9CM-G3RAU, PU "Cudnt wk any!!! sri fr myself went to bed-wish hd room fr gud 160 ant-snowing 12 hrs-15F-cndx gud" Sri Lynn!! *W3AJS:VP7NY *W4BVV:G3RAU-3PU *K2CHQ:G3RAU *Wb2HAL:HR3HH *VE3QN:HR3HH *W2UWD:G5JU *W2KHT:HR3HH *VE3DDR:G3PU OTHER PARTICIPANTS: K1ICH, OOV-2HEY-Wb2HAL-3CJT, GQF-5FIX-K8LJI, HBR/8, ZND, G/VXO -VE3AGX, QU-----

FIRST EVER!!! CONGRATULATIONS TO ZP9AY/Robert - Encarnacion, PARAGUAY S.A. ;;; For his "FIRST-EVER" 160 ZP/W QSO when he wkd W1BB/1 Jan 11 0616z to receive 239/349 rpt and gv BB a 449. ZP9AY hrd BB last summer, made recordings of W1BB's signals, up to 579 Peaks, called and called but did not get through. His QSO on the 11th, the day following the superb condix of the 10th, called "BEST EVER" condix by many 160 DXers - was the result of months of patience and perseverance, and Robert is to be CONGRATULATED doubly. This was an unexpected QSO, since W1BB/1 was on schedule with another station, when ZP9AY was heard calling - and immediately QSO resulted. ZP9AY previously this fall worked PY1NFC. It is expected that ZP9AY will be on quite regularly during the season. BB's #84.

IQSY YEAR CONDITIONS -- Generally speaking, it is felt, at least by W1BB, and some others, that while a GREAT improvement has not been noted, conditions thus far this IQSY year are averaging better than last year. W1BB/1 has thus far worked 138 DIFFERENT DX stations in 23 Countries -- LAST season at this time the SCORE was 120 DIFFERENT DX STATIONS @ in 21 Countries - same receiver, Antenna, and power. On the other hand, there are those who do not feel conditions ARE as good.

THE CQ 160 METER CW DX TEST ---- A VERY good affair, altho condx not equal last yr - but some real good operating and scores obtained. As usual the W1BB/Bull will NOT attempt to report on this affair - but leave it to CQ - HOWEVER some observations and data will be presented herewith. Hr is Interesting OBSERVATION No.1 --The CQ Boys JUST missed by a whisker, giving us excellent condx agn 1/17/63/64. DX condx SAT(Test) poor,, SUN(Test) FAIR,, MON (After Test) good!! TUESDAY after tt, EXCELLENT!!! Interesting OBSERVATION NO.2---during Eu DX opening 0300-0600z severe QRN due to hurricane storm in ATLANTIC between USA & Eu. As sunrise came WEST ovr Atlantic, progressing WEST bound, and daylight enveloped the storm, the QRN went way down in strength - showing that darkness path propogates everything in it's path on 160, and daylight does not, hardly at all comparatively. Interesting OBSERVATION No.3--- The 160 Contest continued in USA during daylight hours Saturday. This yr, whether due to IQSY or not, QSOs 800-1000 miles were possible between certain stns. Rpts fm G/land. SAME true there. G3PU reports W1BB/1 hrd up to 9.30AM Broad Daylight Sunday AM, and otr w/ve/vo sigs. (VOLFB wkd G3PU 1950z JAN24!!!) Interesting OBSERVATION No.4---W1BB/1 went "All-out" this yr - MOST, that is - fr 1st time to test his "Stamina" at 61 yrs with TWO all-night sessions. Physically, took it fine, but nervously "Tired" - operated 27 of the 36 hrs-slept the rest. Enjoyed every minute of it-a real great event-guess OK hr fr few more yrs DXing!! Wkd 14 countries - 42 DX QSOs - 612 "Points" - MULT 42 - (Coincidence/same as Countries) - Score 25704, or so - w/1 check. Interesting COMMENTARY de few of the GANG!!! --- GM2BD:hrd W6RW W3EIS:Trbl w/rig-score 19360, 6 Cntries,Cdx poor VP2AV:QRN terriffic "Blown right across room by it" VK5KO:On reg. not trade of single 1.8 sig!!! K5JVF:Cdx stunk-high QRN!! ZB3J: wkd nothing during all night vigia on Mountain hrd DL1FF weakly Gswl/SMITH:net up to standard-band clogged w/QRN/QRN hrd 27 w/ve inc W6RW,K5LW/5 DL9KRA:many difficulties ant/rig/time-wkd VOLFB & W1BB/1 hrd K2DGT, tts all! G3PU:wkd 13 w/ve & hrd 5 more inc W6RW-BB still "in" hr at 0930-broad daylight S2 W2EQS:215qsos,12cntries,48mult,scor 27642!! JA6AK: wkd 9M4LP(Bob-VS1LP),hrd9L1HX,W6RW,VK5KO,W7VQG 9M4LP:G3GRL,GM3IGW/a,JA6AK,9L1HX?? (deJA6AK) DL1FF:wkd 12 cntries,13states inc 4ULITU!! 40 w/ve/vo s, score abt 25,000-onlyoperated part time acct wk hr etc - used both gnd plane and inv Vee OE1KU: 61 qso,score 2440 wkd W1BB/1,VOLFB,VEL2Z,OK,DL,HB,PA,GMB,GM3,OH,G-w/1 be on 1825 QRV Dx always!! W3AZR:VP3CZ,G3GRL/a-W19J-GM3IGW/a nw hv 13 cntries,46states - DIPOLE Better'n Vee JALCR:9M4LP 45/79!! Hrd JA2WB:hrdW6RW,W7VQG VOLFB:wkd C,GW,GM,GI,OK,PA,DL,FI,HB,6y5,VE,VO,W 64-DX qsos,42Ws score 18,000 approx QRN bad "Operating manners good" W1TX:G3GRL/a,RFS,LIQ,RAU,RFB,FU-4CP-8NF-6BQ-GW3SSK,3J1-GM3IGW/a-EI9J-DL1FF use ARC5 which I'll hv MOBILE 160 soon!! W9PNEGY5XG-VP7NY,VP3CZ-VOLFB-HR3HH-VP2AV-XE2OK --HrdDL1FF G3GRL/a,G3PU,RAU QRN TERRIBLE!! "G3PU sed he hrd G6RW 0645-0745 569 better'n most E Coast stns!! JA6AK/IKUO ----- Is making valiant tries to QSO w/ve boys using 380w on 1880 Kc into vert 70' pipe ant calling CQ-DX daily 2140-2220z and sometimes 1100-1230z. Has wkd DL1FF & OK1ZQ 29Dec for first two Eu. Has rpts fm G3GGS sigs 239 DEC 16- IKUO is real "HOT" on 160!! Hrd VK5KO 29dec 1142z- vy FB! WHY Gs OPERATE 1820-1827. deG3LIQ?Dennis ----- "With DHJ on 1830 very strong for a few Kes, and just below him a beacon with slave and master signals, and then a coast stn just below that - there is not much left of 1825-30kes section. The natural tendency is to call clear of the QRM e.g. on 1825-1826 kes. A G stn hearing another G calling on these fys would then move slightly below him to avoid QRMing him, and thus it goes, until Gs move down as far as 1820 Kes" - Tax a lot Dennis!!! UNUSUAL!!! de VOLFB ----- A phenomenon noticed this IQSY yr - greatly increased DAYLIGHT Dx QSOs. Most Spectacular:: VOLFB QSOd G3PU 1950GMT!!!! Jan24 w/260w-G3PU w/10w -- a week later G3PU was hrd 559 at 1920z - also G3GRS,G3SRC at 1910z - this was just before Sunset time G land and broad daylight in VO/land. VPB/Joe-Congrats!!! (Hv the Gang any other DAYLIGHT 160 DX Information????) THAT "MONSTER" --NO LONGER IN OUR MIDST!!! ----- Latest word fm ARMIN/DL1FF is to the effect that DHJ/58 has QSY'd out of the band-"Dont know where to and dont care" only hope he doesnt come back! (Shall we give Armin credit for "Talking-Turkey" to the German NAVY Dept??? He doesntclaim it) - Sez DHJ59 still on 1830 as usual and will continue to serve as a good MARKER for w/ve/vo,s wkg Eu. When you can hear DHJ59-weak station- Condx to Eu are pretty good. de BOB/9M4LP-SINGAPORE ----- "Band extremely disappointing so far this yr - last yr Eu stns were pouring thru almost every AM at DAWN w/fine sigs & Hardly a day "OLD FAITHFUL" DHJ/59 wasnt Hrd. This yr only twice hv hrd Eu stns G3RBP/569 & 9L1TL/229 and once or twice DL1FF vy weak - but hvnt hrd DHJ59 since 1st wk Dec & only 4 or 5, times this yr & vy weak sigs - hope condx w/1 improve - condx of course do not prevail uniform throughout the world - Hear JA6AK occasionally which is as far from me as W1 to Eu - but hv not hrd WCC at all this yr - had intended improve ANT, but w/such poor condx lack the initiative" - real sorry Bob. Understand in CQ TEST you may hv worked 9L1HX!!! FLASH!!! CONGRATULATIONS TO ZB2AE FIRST EVER ZB2/W 160 QSO!!! --- Much credit goes to Peter,ZB2AE who after many tries with sub-standard antenna because of restricted space - managed to put a readable signal into W/land Monday Morning, right after 160 CQ CONTEST, when Condx peaked, at 0600-0635z QSOing W1BB/149 and receiving 229/339 report - Hopes hv btr ant ltr - VPB PETER!!!

INTERNATIONAL 160 SOCIETY ----- A new organization just formed by W3AZR/Ike Kerschner, and W4WALCAG/Warren Pearce "To promote more enjoyment for the 160 Amateur and to protect his interests" OBJECTIVES: 1. Divide band into AM/SSB/CW Segments 2. Stimulate 1875 & 1975 segment operations. 3. Obtain increased privileges. 4. Get New Countries on 160 4. Form equipment BANK for needy 160 DXers -- A Bi/Monthly newsletter, news, technical data etc to be issued. Dues \$2.00/yr - Sounds like a worthwhile project - write W3AZR or W4WALCAG!!! Best of luck!!

WIBB SUMMARY LOG

WEEKEND DEC 27th --- Signal strengths down-rapid deep QSB only the stronger sigs breaking thru - however, late in AM W4,8,9, QSOs were made w/DX & Qud sig strengths - not many Ws on. -----
W/VE/VO ACTIVITY: *WIBB/1:G3RBP,ICW,RFS,MYI,LIQ-DLIFF W3AZR:G3LIQ"Hv Tried 7- loaded Vert-vy poor results-much btr w/Vee-6 Cntries nw on 160" W2UWD:G3RBP W4NW:G3RBP *W8GDO:"qrn RUFF-QRT"
*K5JWF:"High noise level-No DX sigs" VE2LY:OK2KET KLMOD:DLIFF DX ACTIVITY: G3RBP:WIBB/1
W4VXG,WXW-2UWD-VE3DDR-6y5XG G3ICW:WIBB/1 G3RFS:WIBB/1-VOLFB-W4VXO-9L1TL DLIFF:WIBB/1,VOLFB
*VOLFB:GM3TMK-DLIFF-"wkd 6 Eu stns" Gsw1SMITH:WIBB/1,VOLFB,9L1TL,W1LMO FXswl/RASF:WIBB/1,589-
VE2LI,579-VE2UQ,589-VE3AGX,579 "lvg fr US nw/QRT swling 160Dx -Sri" Rolf is computer engr taking course USA. *OH3NY:VOLFB"only!" OTHER PARTICIPANTS: HB9CM,OE1KU,G3RBP K1LMO-K2GUR-W9010-K9PAW,OUW-VE3ABG. W4VXO and W4NW QSOs with G3RBP were outstanding events of this weekend.

WEEKEND JAN 10th --- This was a real HOT morning!!/Weekend-wonderful condx w/lots QSOs w/Eu DX - not much NA or SA Dx however - the records will speak for themselves. w/ve/vo PARTICIPANTS: Actvy
*WIBB/1:G3RFP,RFS,SSF,BFP,KBC,SGC,ORP,ERN,OOT,FPO,PU,ORH-5XB-8RQ-5AQ,PP-G3CFV,SKR,CBW,REA,PEO,RSD, RDM-EI9A-OK1KVK,IAEZ,JWT-HB9CM-GM3TMK-GW3PMR *W1WY:G3PU,ORP,SSF,LIQ,PU,RFB,OOT-5JU-DLIFF-GI3PDN- HR3HH-G3POA,ERN "THIS, I am sure was the best night this yr" *W1TZ:G3PU,POA,ORP,FPO,LIQ,OOT,RPB-6BQ-5JU-HB9CM-GI3PDN-GW3SSK "Loudest I've ever hrd Eu-hope it lasts-wl B on MOBILE 160 sn!" VP2AV- VE2UQ:G3RFS,POA,ICW,LIQ,ORP,OOT,RFB,ERN,KBC,PU,FPO-5JU,DQ-6BQ-HB9CM-DLIFF-VP2AV-OKIAEZ-GW3SSK- GI3PDN "BEST I hv evr hrd 160/Dx to Eu-sigs fm west UP also" *W9PNE:G3RFS,SSF,PU,LIQ,RPB,POA-6BQ-5JU-HB9CM-HR3HH-DLIFF-XE1OK. DLIFF 579/Strongest Eu " Condx were FABULOUS!! Ws on 1824 clg Dx/Phoney
*W3EIS:G3PU,LIQ,RPB,OOT,POA,KBC,ERN-6BQ-5JU-GI3PDN-GW3SSK-DLIFF-HR3HH " BOY-O-BOY!! what vy vy FANTASTIC Condx!!" *W8GDO:VP3CZ-VP7NY-HR3HH-G3PU *W2EOS:G3OOT,ERN,LIQ-GW3SSK-DLIFF-G6BQ "Havent hr single W6 or 7 on 2Mc yet this yr-wonder why???" *W8FGB:G3POA,6BQ-3PU,RPB,LIQ-DLIFF "Using 25' vert tower of W1TL/3 tower array-hope phase 2 or 3 towers on Eu or SA" *VOLFB:G3SCJ,CMI,TLY, SGL,ICW,OOT,BMY,POA,GVA,RGD,RPB,FPO,KPU,CBW,WL,CPV,RFS-GW3SSK-GM3IAA,NNY,KMR "Top bnd endx gud this wkend-Eu "Peaks" 2230 &-0230 hr - often consider Nfld outpost of Eu-only 2000miles - gives VOs the advantage wkg Eu/Africa -if I'm QRMing any weak DX/gld to QSY"-Tnx Joe!! *VE3DU:DLIFF"lst crossing in 4 yrs-rough trying break thru E coast QRM" Hrd G3PU-5JU-HB9CM also. *W4WHK:"Cld G3PU fr 4 hrs - hrd C02QR-wish I could QRO above 24w!!" *W5SOT:DLIFF *W4VXO:HR3HH,589-"Cld Hal 1/2 hr fm BC stn Towe -ND-went home cld fm horiz-wkd FIRST call!!" W1CHC:DLIFF VE2LI:G3PU W4GDH:K17AUV!!!!!! Notel: VE3QU:G3LIQ W3MSK:G6BQ DX ACTIVITY: *G3RBP:WIBB/1,BHQ, TX,WY-2KHT, EWD,FBA,FYT,GGL,UWD-3AZR,AGU, GOF,K8CRJ,RRH-VOLFB-WE2LI,UQ,3QV,ATU *DLIFF:WIBB/1,WY, TX,HCH-2KOT,FYT,GGL,UWD,FBA,IU,EQS-3EIS,A GRF,DQU-8EPQ,FPU,K8HBR/8 IOQ,RRH-9EWC/S7!! PNE-GGDH-VE2UQ-3DU,QU,LI."BEST night of the season-Hrd 30/wkd 21 VE2ATU-W4VXO also hrd. Congratulations W4GDH!!! *G3PU:WIBB/1,HCH, TX,WY,-2EOS,KHT,GGL, UWD,RAA,FBA,FYT,IU-K2CAL,HFW-3RFA,AZR,GOF,P2W-K8RNE,IQO,RRH-9PNE-4NW,WXO-VE2LI,ATU-3QU-VOLFB- K1LPL *GM3TMK:WIBB/1,VOLFB-WalCRK-2UWD,FYT-3EIS-4NW/559!!-VE2UQ,LI *Gsw1/SMITH:WIBB/1, TX,WY,BHQ HCH-2UWD,IU,SU,KHT,FYT,RAA,GGL-K2CAL,HFW-3MSK,EIS,GRF-K8HBR/8 CRJ,RNE-9EWC-VE2UQ,LI-3QU,EK-VP2AV (Nice list Norm!!)"Am gg swap my Sat @ wk for Jan 30 free fr test" *OE1KU:WIBB/1-VOLFB *Gsw1/IBAL W1B/1, TX,WY,BHQ-2GGL,FYT,UWD,KHT,IU-3EIS-K8RNE,RRHQVE2UQ,3AGX "160 has gone MAD!! - Dont hr VELS"
*H18XAL:WIBB/1,BHQ, TX,WY-K10OV-2IU,UWD,EQS,FYT-K2CAL-Wa2U00-3P2W,GRF,MSK,REA,AZR,EIS-K4DKJ-W4WHK- 8JIN,FGB,EPQ-K8RBE-HBR/8-9EWC-GGDH,AIH,VXO,VEH/4-VE2UQ-3QU,ES-HR3HH-VP2AV-DLIFF "This fm 3 hrs La"
*Gsw1/WHITINGTON:WIBB/1,HCH-2KHT,IU,FYT,EQS,GGL-3EIS-VE2LI,ATU-VPLFB-4NW "W4NW my best Dx event"
*OH3NY:WIBB/1,VOLFB-VE2UQ"when I cannot QSO, wl SWL W/VE stns" Tnx Matti-Matti's fy 1827 and always on lkg fr W/ve/vo GI3PDN:W1Y G3ERN:W2FYT HB9CM:WIBB/1-VE2UQ G6BQ:W3EIS,MSK OTHER PARTICIPANTS: *G5PP,XB-GW3PMR-GI3SMO-K17AUV!!!!!!-W1ZL-9FIM-K8BBI **** BEST WEEKEND THIS YEAR!!

WEEKEND JAN 24th --- Fairly gud but no comparison to Jan 10th!! w/ve/vo ACTIVITIES: *WIBB/1: G3LIQ,RFS,KBC,OOT,PU,RAU,SED-8NF-GW3SSK-DLIFF *W3EIS:G3RAU,PU,LIQ,RFS,OOT-8NF-VP3CZ-GW3SSK "0435z s...-0550z OK --0730z NG" W2IU:G3PU,RFS W9PNE:G3PU!!!! *W8KFY:"Cld CQ-G3LIQ Ans'd-lost hmin S9 p... QRN 40 DB over continuous snow static - first Eu I've ever contacted - sparks 1/2" to gnd fm open wire feeder- Impossible - FRUSTRATING!!" Sure is ed... *W4VXO:"Almost but not quite QSO'd G3PU - he hrd me - I cudnt hr hm S9 Line Noise!!" *W8FGB:"Jan 19 wkd VP2AV-Jan 20 9L1HX-W8EMS & W2FYT also wkd 9L1HX" *W8GDO: VP3CZ-DLIFF " Cld one CQ on 1998k" *VOLFB:"wkd G3PU at 1950GMT!!! 260 wts DAYLIGHT - hrd G3PU 1920z 559" (This is really an important event!!!) *W1TX:GW3SSF-G8NF *VE2UQ:"N11" VE3LZ:DLIFF DX ACTIVITY: *G8NF:WIBB/1,BHQ,HCH, TX-2EOS,IU,UWD-8KFY-9PNE-VELZZ-2UQ,ATU."Condx POOR" G3KBC:WIBB/1-2EOS *DLIFF:WIBB/1-2GGL,EQS-3EIS-2UWD,KHT,IU-VELZZ,LC-WalCAG

April 7, 1965

PYswl/Rolf-Rasp

Rolf - Sure was pleased to receive your latest letter - and to know that you can come sooner - time will go fast enough - and this will give us a little extra time.

I'll be there at the airport 5PM AMERICAN AIRMINES Flight 422 - This will save you a lot of fussing around in NY and some extra expense too I think. VFB on the PY-15652 call sign etc.

Glad you have the rest of the money for your receiver - that will be just JIM DANDY!!! You can use that 250 and 2.1 Kc filter on 160 to, good advantage!!

Program is something like this -- Meet you 5PM - drive home and around the ISLAND of WINTHROP - see the Atlantic Ocean - and home to dinner. ---- Rag chew in evening --- maybe go down to the "Tower" late and listen in a bit. ---- Saturday look over the WINTHROP YACHT CLUB WIBB/1 installation -- maybe go to an ELECTRONIC JUNK YARD --- rag chew -- maybe visit a couple of HAMS --- Dinner at home -- in evening go to WIGAG's RETIREMENT party - see his vfb RIG -- later in evening check 160 at the "Tower" -- SUNDAY MORNING -- you either go to Church with us - or wander around Boston looking the place over while we are in Church --- then I take you and xyl to "Pier-No.4" Restaurant to Easter Dinner -- then home for a few minutes and then take you to the airport for your 4.45 PM Plane - something like that!!! Time will go fast!!!

Looking forward to seeing you Rolf OM -- and I want to be sure to give you while you are here, that \$5.00 of yours I have!!!

SOOOOOOO oooo guess that is it until Friday - here is all the Latest on 160 - See page 6 herein PYswl RASP. SMOOTH FLYING/HAPPY LANDING

MARCH 31 1965

WIBB -- 160 METER DX -- BULLETIN

Stew

1964/1965 No. 4

de WIBB/Stew --- Another Dx season on 160 most over!!! "Time marches on", quite fast - doesn't it!!! The debate will probably continue for some time, as to whether this WAS in fact a better year on 160 meter DX than last year. Some say "Yes!" - others say "NO". STATISTICALLY, from WIBB's point of view, it is now felt that while there isn't too much difference, to be sure, that it HAS been a better season, from a CONDITIONS viewpoint - and maybe not so good from a "Participation" angle. As of March 31 WIBB has worked 164 different Dx stations, in 28 different Countries, as against 136 and 25 last season the same time - using SAME antenna, transmitter and receivers. On the other hand, has only worked 5 NEW Countries towards DXCC/100 vs. 10 New ones last season - however, this result is charged to what is analogous to, "Milking the old Cow Dry" -- when you have worked 86 on 160 -- they just get scarcer "than Hen's teeth" !!! What seems to have happened this season, is that the EXCELLENT conditions seems to have missed the weekends of the TRANSATLANTICS, and the CQ DX TEST and other activities generally, and fallen either on Odd weekends, or MOSTLY, in the middle of the weeks, when activity was at it's lowest -- DQ/160/DX/TEST missed most excellent Cdx by only 2 days!!! Others have reported the same observation -- and as a result, many who have been on for only the weekends have in some cases been discouraged, and generally felt that Cdx were not good - and therefore have not made the effort to get on - and therefore the PARTICIPATION may have dropped off a bit.. We should remember the fabulous conditions on January 10th - when all hands enthusiastically acclaimed conditions "Fabulous" - "The BEST EVER" - etc on 160!!! and there were several other occasions almost like it!!! Shall we say that conditions were AS GOOD, maybe a little bit better generally speaking????? Because this fits into the picture nicely of "160 METER DX and 'The 169 YEAR CYCLE'", (Bulletin No.3) -- wherein it is pointed out to us by George Jacobs WZASK, that the bottom of this cycle could be rather FLAT and thus conditions could be averaging about the same for a year or two or three --- and this really seems to be just about what is happening --- this we can conjecture, but only a few years more time will tell the real story!!! AT ANY RATE it had been a grand and exciting season, as usual, on 160, which is as ever most interesting and intriguing to we 160 DXers!! B.C.N.U. 1965/1966 - 73!!/Stew

FLASH ITEMS !!! *** WIBB 160 METER DX BULLETIN *** FLASH ITEMS!!!!

FIRST EVER!!! 9M/GM-160 QSO ----30JAN65 when Bob/9M/LP (Ex-VallP) QSO'd GMBIGW/A, "Mike" during CQ 160 DX Contest, exchanging Contest Numbers through bursts of 40 DB over S9 QRM. Bob also QSO'd G3GRL/A. EXCELLENT work boys- CONGRATULATIONS!!!!

DAYLIGHT DX!!! ---- Noticed for the first time THIS IQSY YEAR, which may be the reason for it. During CQ 160 CW Contest, many stations in Europe and USA kept QSOing and running up Contact points ALL DAY, making local QSOs 800 to 1000 miles distant. Previous years Contest work almost ceased daytimes, except for highly populated areas. ----- Additionally, VOLFF has noticed greatly increased DAYLIGHT DX, QSOing G3PU at 1930 GMT Jan 24th with 250 Watts -G3PU s/10 watts. This was about 2 hours after sunset time in G land and BROAD DAYLIGHT in W/land. Incidentally, this QSO was also logged, both sides by G3PLQ/mm off the coast of Africa. ----- European stations have reported # signals as late as 0930 GMT about 3 hours after sunrise. ----- And a report from G3PLQ/mm-John- n.v. KUMBA (Radio officer) off the coast of Africa Near Sierra Leone reports DAYLIGHT DX -- heard 1600-1640z, GW3HUV, G3TMA, G6BK Nov. 8th. also 1700-1745z Nov. 9th G3TRF, 5LF, OK3KAG, G3TLY. "My theory"-Says John "is that several hours before Sunset, the band skip lengthens momentarily, and providing someone is at an exotic Dx spot could be worked. The lack of QRM/s, which IS present when darkness has fallen, but NOT in Daylight, is very noticeable" - Fox John. ----- Essentially, we believe, all this means is, LESS daylight Ionization and absorption due to the lowered sunspot activity, and therefore some reflection of LF signals during the daylight hours, the same as happens at night, only much weaker signals. Comments and explanations from the gang appreciated.

STRANGE PHENOMONON!!! ---- Weekend of Feb 14th European DX was poor to NIL. Europe is 3000 miles East from W land over the Atlantic Ocean. ----- HOWEVER!, at the same time, if one looked WEST for DX, instead of East, the W6s and W7s were pouring in excellently - probably the best they have this year. This is 3000 Miles over the land. ----- This conditions ALSO repeated itself, although not to as great a degree, during the last TRANSATLANTIC DX TEST Feb 21st when Europe DX was poor, and West Coast DX GOOD. ----- Additionally W6 VP3CZ/Dev also reports "LUF predictions confirmed that signals stronger going from West to East. Gs hear me better than I hear them. Also E I hear W6s better than they hear me" ----- It seems most unusual to look EAST and have Condx poor - but turn around and look WEST and have excellent Dx. Can anyone explain this??? Any Comments gang???? How many have noticed this?????

FLASH!!! FIRST EVER!!! CONGRATULATIONS to ZB2AE/Peter - FIRST EVER ZB2/W 160 Meter QSO ---- Much Credit goes to Peter ZB2AE, who after many tries with a sub-standard antenna, because of very restricted space -- managed to put a readable signal into W/land Monday Night, February 1st right after the CQ 160 DX Test, when conditions peaked the day after the test - of all times!!! and peaked 0600-0635z QSOing WIBB/L and receiving report 229/339. Peter hoped to have a better antenna one of these days, however he has just received word and will go back to G/Land and revert to G3MRE again shortly. At one time Peter tried a balloon, but found that the wind was too high. His QTH in Apartment area had little room for a GOOD 160 meter antenna. VFR Peter!!!

Last Two ANNUAL TRANS-ATLANTIC DX TESTS ---- The last two TESTS were beset with poor conditions No.5. Feb 7th was practically washed out by heavy QRM. DX signals were weak, but in, and a few readable, but not many QSOs - folks QRT early. The middle of the week condx had been VFB!!! What Luck!!! ----- On the FINAL Test No.6, we had the STRANGE PHENOMONON mentioned above, where European stations were poor - but WESTERN USA stations - the same three thousand miles away but over land instead of sea, were coming in VERY good. Nevertheless probably about 30 or 40 Transatlantic QSOs resulted, including HPLIE, H18XAL, VP3CZ, VOLFF. Of importance was the fact that participation was good - showing that INTEREST is there!!!

CONDITIONS 1963/1964 Vs 1964/1965 ---- Some HAMS feel that this season is definitely worse than last. Others cant make up their mind. WIBB feels it is a bit better - based on records of DX QSOs - last year this time - the score was 123 DIFFERENT Dx stations QSO'd in 23 Countries. This year using same antenna, receiver and power - at same time, Mar 1, score is 163 Different DX stations QSO'd in 27 Countries. (Repeat QSOs not Counted). This seems to speak for itself. It is felt now - since conditions were not as much better as expected this year due to IQSY, that we are at the bottom of the cycle mostly, and results may stay at or near "Par" for, or about the same for 2 or 3 years.

FEBRUARY 7th TEST: This test was washed out by hvy QRM aga - Dx sigs weak but in and readable w/o QRM - stns QRT early - HISXAL doing FB job fighting QRM. Condx POOR Last week - good the middle this wk - POOR aga this WEEKEND - just the luck!! ● **DX ACTIVITY:** HISXAL, W1BB/1, 9PNE, otrs *Gswl/NO an Smith W1BB/1-2CAL, EQS-3EIS, GQF-8HRV-VOLFB. "Vy annoying to hr W5,7,VE7 sigs & not identify becuz G QRM!!" ● *G8NF/W1BB/1 "Testing VERT & HORIZ ants on Reception" ● **W/VE/VO ACTIVITY:** W1BB/1: G2PL, 3PU-DL1KB, DL9KRA-HB9CM-HISXAL ● *VOLFB: HB9CM-DL9KRA-G3SSF, RFB, RPB, PU. "Fair condx to Eu w/ less early openings - ONE WAY skip present at times - signals weak - cud nt hr HISXAL" ● *W9PNE: HISXAL ● *W1TX: "Complete WASHOUT hr" ● W2IU: G3PU ● **OTHER PARTICIPANTS:** W3EIS, OMN, 8HRV-VE2UQ-VE3PB --- G3LIQ, SWC, SGC, RFB. --- *VE2UQ: G3ORP, VE7AKI "Condx this yr (Except Jan10) below 63/64 Condx - lets hope band pick up thru March"!!! ● *W3EIS: "Hrd on DX sig in NOISE S1 - but on 6th wks G3ORP, ER 6BQ" --- Lets hope we dont have too many TESTS with conditions like this one !!!

FEBRUARY 21st TEST NO. 6 ----- This last test had only FAIR condx w/ abt 9 or 10 EUs coming thru fr QSOs - Star of the Morning was HISXAL w/Ranger exciting a B.C. Stn Tower, and was QSOing W/VE/VOs right and left --- WA6CDR and G3PU "Almost but not quite" made it!!!! Hrd each other. WESTERN USA stns cominh thru VERY well - another case of where EU Dx was poor hr, but Western DX vy good. ● **DX ACTIVITY:** HISXAL: W1BB/1, TX, BHQ-2FBA, IU, EQS-3BUR-9PNE-@NWX-VE2UQ-K8HBR VFB!!! --- Gswl/SMITH W1BB/1, 2IU, GGL-VOLFB-XE1OK ● OE6HS/Hal: W1BB/1. "Am 39-sound technician-married-interested 160" ● *G8NF: W1BB, 2IU-VOLFB. "Condx vy poor-using VERT ant at QUIET site!!" ● *DL1FF: W1BB. "My heart attack just yr ago today - my birthday also - Hrd only W1BB-fade out at 0500-went to bed- condx poor My License Ends Mar 31 Hope renew nxt yr" Congrats fm Gang RMIN ur FB 100% Comeback - GRAND!!! ● *VP2AV: W1BB/1-9L1HX. "Cld 9L1HX/nit-this top band grows on one!! The whole Island hr is like a sardine car at moment - awfully busy- height our season-swamped w/work - so 160 suffers - am 47 yrs nw" ● *Gswl/IBALL: W1BB/1. "Condx vy poor" ● *Gswl/FRANK PARKHURST: "Did not know abt IQSY tests until this wk - decided to join - Hrd W1BB/1, 2GGL, VOLFB-A good session!!!" Tnx ● *G3PLQ/mm off coast of africa: W13B/1, 479-WA6CDR/339-W3GQF/449-DL1FF/479-VP3CZ/349-OELKU/339-PA@PN/449-VE2LI/359-G3PU/589-G3LIQ/359-G3SVK/339-G3IPB/339. "Also lots of weak unidentifiable W/VE-EU" ● *VP3CZ: "Condx poor W2HEY, K5JVF, K6HXT/7-HISXAL ● *HISXAL: Arranged w/friend/owner BC stn HIAT Santo/Domingo to use my ranger on 240" BC Ant - despite condx not the best - trans and rec was excellent - worked many W/VE gl. Ag mostly S9 rpts - for those who doubt my veracity those S9 rpts they only need to be present hr - S/meter on HQ180 bobbing 40 over S9 and they really sounded THAT loud!!!!" ● G3PU: W1BB/1, 3BUR-V, VE2LI ● G3SED: W2IU ● G6BQ: W1BB/1 ● PA@PN: W1BB/1 ● **W/VE/VO ACTIVITY:** W1BB/1: G3LIQ, PU, IPB MMK, SED, IPD, RFB-6BQ-DL1FF-HISXAL-HPLIE-PA@PN-EI9J "Sigs not up to par but QSOable" Wa6CDR, W7UFB. ● *K5JVF: VP3CZ-HISXAL-VOLFB. "Condx fair/No Eu" ● *W3AJS: HISXAL-G3LIQ-8NF-G3GRL/A "Contest differed than last yr - most of time seemed to b more activity - stayed up all night, 1st time in 30 yrs!! 102 Contacts/Mult 28 - been pulling in VIX/VHP Australia on 44 Kc and NDT/Japan 17.44 Kc at 0800z/ no correalation to 160 tho" Interesting Ed/Tnx. ● **OTHER PARTICIPANTS:** G3SWG, PVA, JXS, ADH-GW3TJE-OE6HS-OK2BHX-HB9CM-XE1OK :: W1BSS, BHQ, TX-KLOOV-2BWR, FBA, UWD, EQS-3EJU, GQF-6HRG-7EN-8GDQ-WA8LJI-9KYW, PNE-K9RHI-Wa9LIQ-VE2UQ, LI :: AND SO ENDS THE 1964/1965 SERIES TRANSATLANTIC DX TESTS ::::

"FIRST TIME ACROSS MORNINGS" - de G9PG/Gus :::: "Reference CQ TEST participation fm G - was gud but not equal last yr - Reason?? We have been TOO successful in awakening TOP BAND interest. Up to 3 yrs ago only 2 or 3 stns were getting out well, and once they had worked a W/VE, then the q2nd and 3rd layers of poorer aerials had a chance! NOW there are at least 2 Doz stns w/ superb aerials and the boys with little space, or local ordnances against his masts, doesnt have a chance!! A lot have realized this and lost interest in 160 DXing. I THINK THE ANSWER TO THIS WOULD BE NEXT WINTER TO RUN A COUPLE OF WELL PUBLICIZED "FIRST TIME ACROSS" MORNINGS WHEN THE BIG GUNS ARE ASKED TO STAY IN BED AND ALL THE "W" EXPERTS LISTEN FOR THE WEAK ONES AND TRY TO WORK THEM. THEN WE COULD HAVE A MORNING FOR THE "FIRST TIME ACROSS Ws". THE IDEA IF IT CAUGHT ON MIGHT GIVE A LOT OF INTEREST AND FUN TO ALL" I think if this were put up to the boys nicely, those who have already gotten across would, in good "Ham Spirit", QRT for at least one or two mornings a Season!!" --- Sounds mike a MIGHTY FINE IDEA to me, GUS - let's give it a try - what say gang??? Comments!!!/Stew

FIRST EVER 9MA/GM 160 QSO: 30Jan65 when Bob/9MALP, (EXVSLP) QSO'd GM3IGW/A "Mike" during CQ TEST exchanging contest No.s thru 40 DB over S9 QRM. Bob also QSO'd G3GRL/A & JA6AK and hrd G3LIQ, G8NF, & VFD. EXCELLENT WORK!!! boys/CONGRATULATIONS!! Bob sez 160 edx Singapore this IQSY yr a very big dissappointment to him though, generally speaking. But that's pretty good DXing Bob!!!

4L3RB/"Mick": Bn hvg trbl his RANCH w/Livestock & Crops - big DROUGHT, kept hm off 160 - rains nw so lil time fr 160 - w1 B on 1876 Kc 0615-0645Z for Gs, Skeds w/G3RFB & w1 cover 1.8-2.0 Kc also. W6s, 7 Cum in 0600-0700 - W1, 2, 3, 4, 5. 1045-1145 approx during March Equinox, and into April. Has lot of BC hrmonies & Other services QRM on band nw. "Mick" is the ORIGINAL 160 DXer for way down under. CONGRATULATIONS "Mick", your faithfulness, patience, perseverance & success on 160!!!!

NEWS/4-LARRY TOUGH LUCK ;;; Larry had about the worst luck imaginable - trying to get on 4. CQ TEST - came home fm college - found VEE ants dwn - sloshed arnd in snow, 2-F at NIGHT - got all tangled up - ND - put up short wire - hrd HR3HH bt no ans - one Rx burned out - "Someone asked me to QRT/QRMing DX" - his only Ital 1822.3Kcs - nevertheless Larry sez he had FUN!!! Real SPIRIT!!!!

UNUSUAL CONDITIONS - ONE DIRECTION DX - Comments de Geo/MASK ::; Sez - one explanation why at same time condx poor to Eu but gud to West Coast --- Auroral absorption greater ovr N. Atlantic path, than over transcontinental path - therefore cud be much more 160 sig absorption looking EAST over ocean, than WEST over the continent - Thx Geo - Appreciate. Fm KIKSH/AP5/Gary also - sed he thot tt propogation conditions better over land than sea in some instances. Thx Gary. Hope to hr KIKSH/AP5!

NEWS ABOUT "WAY DOWN UNDER" - UNUSUAL THRILLS!!! This always goes with working VK and ZL stns, partly I suppose, because it is one of the most difficult HOPS, partly because it is in broad daylight hr after sunrise -, partly because after waiting and calling patiently for some time, the signals SUDDENLY appear as if from no where and also because of the unusual signals that sometimes come thru. For example, this morning Mar 14 after clg on sked fm 1030z with NIL, suddenly on an "Over" at 1105z, THERE was VK5KO, big as life answering 559, solid copy on 1802Kc - John got as big a thrill as I did!! - On the next "Over", his signals were 56/79!! Imagine it!! Fm VK/land - the best I hv ever hrd any CK or ZL - (IQSY CCondx??). We even tested my ZEPP vs Inverted Vee -(VEE 1/S pt btr) - and then quickly QRT for otrs. VK5KO wkd W2UWD bt apparently did not hr WIBHQ,DPX,8FPU also clg. He was 459 at 1130z but faded out at 1140z. He was "in" a total of 35 mins. This is the only time of Day and Season (EQUINOX Spring/Fall) it is known possible to QSO VK/ZL. SOOOO one has to be "Johnny-on-the-spot". Incidentally, the night preceeding, DX to Eu was "Nil" fm W/VE - BUT Eu wkd South American VP3CZ easily - all this indicates that at EQUINOX there must be sort of a spiral DX path around the globe roughly directional NE/SW. --- This MARCH, thus far WIBHQ and ot otrs hv hrd VK5KO several times. W9PNE,W8FPU,W2UWD,VE3DU,W1BB/1 hv wkd him. ----- K4RQF/Fred sez VK3BN QSO'd a "G" on 160 morn of MAR 5 (No other Data). ----- Morn MAR 21 VK5KO was hrd in W land 1055-1115 CQing bt made no QSOs ----- ZL3RB/"MICK", original "Way do n Under" 160 DXer reports hrg W1BB/1 2 MAR 1042/1111z-339 -- QSO'd G3RFB 0640z 14th 569/449, with 6 Minute peak -- QSO'd G3PU and G3RFB, Both, MAR 15 0800z 339/449, Just 10 Mins after sunset ZL/land - and after sunrise G/land -- MAR 16 "Mick" hrd G3RAU 0640z 459, old/nd - Thx Mich - NOT BAD!!!! ----- VK5KO/John, writes "It sly HAD to happen", terrific kick when ur (W1BB/1) sigs came in 55/69 - your Zepp down 1 "S" pt on inv VEE - WE hv hrd EQUINOX Condx start! Hw long does it last?? Got W2UWD,8FPU,9PNE-VE3DU also!! and a W5LF?, missed, frustrating! for HIM!! - wish hd 3 or 4 250' towers for RHOMBIC!! - cant use all gain in rx hr - use center fed 132' wire w/40' 600 ohm ribbon in center - AR88 Rx,-150w TX - not as difficult for me to get to W/VE as for W/VE to get dwn here - believe - because of condx in ionosphere -- one W called, sending 15 VK5KOs, and when he signed he was dwn in MUD - why not ONE or TWO VK5KOs and 15 W/VE calls?? We used to do this on 28 Mc CW - at least you know who is calling - Cud also send RST, then you are half way home!! This W Missed a QSO by clg my call too long. (GOOD Idea!!/bb) - You certainly have to fight for QSOs on 160!!! Am anxious for S.A. skeds!!" CONGRATULATIONS John, on your very very FB 160 meter DX work - makes real interest for Northern DXers

VERTICAL vs INVERTED VEE - SPECIAL CHEERS!!!! to G6NF,G3HFD,G3IFD,G3KKF,G3MVK and G3DXF ;;; Who, this season, hv tested Inverted Vee ants at various heights, also a base loaded 200' Vert. They found the higher the VEE the better (Naturally!!!). Vert vs VEE; they found that the Inv Vee was most effective in early morning for signals 3000-4000 Miles away - but in the late evening the Vert was btr for these distances. Around midday, the inv Vee was quite ineffective, while the vertical gave excellent ground wave up to 1000 miles. SWRs obtained varied fm 1 1/2 to 2. ----- Incidentally, ARMIN/DL1FF has BOTH inverted VEE and VERTICAL GROUND PLANE ants and has been testing one vs the other all season also. His results are about the same. At times the VEE is best and at others the Vertical GP. Which points to the IDEAL SET-UP --- ONE of EACH --- with a quick shift antennarelay to select the BEST. (W1BB does this with Horizontal ZEPP and Inverted Vee) --- However, if you can only have ONE antenna, evidence points to the inverted Vee as being the best "All-Round" antenna FOR DXing. The vert has the edge for daylight and local ground wave QSOs. Congrats Gs and Armin!!

MORE ON "MARKER STATIONS" de W3GOF/Dick/W3WZL ::; Many of us have been using DHJ59 in Germany, on 1830k as an indication of whether the band to Eu is open on 160 - and it is a pretty good guide!! However, some very interesting information comes from Dick, verified by W1BB, and YOU can do the same, concerning the use of OMA, A Standard Frequency Time signal in Czechoslovakia ----- OMA is c 2500k, same fy as WWV. When you can hear this signal UNDER WWV, conditions are extremely good. OMA's lke tone comes on at 01,16,31 and 46 Mins after the hr giving it's call on CW for one minute. The BEST time to hear OMA is 46 minutes (ca46 etc) after the hour when WWV goes off the air for 4 minutes. ----- Other Standard Frequency Stations on this 2500kc fy are MSP,Rugby,England - HBN, Neuchatel Switzerland - JJY,Tokyo,Japan - ZLFS New Zealand. MSP has been heard but none of others

FURTHER REFERENCE MARKER STATIONS :: Additional Information may be obtained from U.S.A. pamphlet by National Bureau of Standards on "STANDARD FREQUENCY TRANSMISSIONS" -- Tex Dick/W3WZL.

W1BB adds, that WCC on 2036 Mc - Cape Cod - Mass., a ship/shore CW station sending ship traffic list and VVVV's 24 hrs a day, using 2KW to a Vertical antenna, is used extensively by Amateurs the world over as an "East-Coast" "Marker", indicating conditions on 160 - and should be of special help to all NA and SA Dx Stns. ----- DHJ and WCC are more accurate than OMA for 1.8 Mc Markers, since they are nearer our Fys of 1800-2000kc Band.

FLASH!!! FLASH!!! FLASH!!! - G3PU/Ern and ZL3RB/"Mick" have JUST DONE IT!!!! A TOP-BAND ZL/C PHONE QSO on 160 March 22nd around 0630 and on AM!!! G3PU/RS-35, ZL3RB/RS36 -- This is about the LIMIT on Top-Band for DX - Ern queries "WHAT NEXT???" and we suggest "MOONBOUNCE"!! CONGRATULATIONS

MORE ON "ONE-WAY" PROPOGATION de W5SOT/Chas :: Who sends VFB "Clipping" in EDN News reference LP signal attenuation as follows ----"The Non-reciprocity of VLF signals propagated between two points is attributed to the magnetically caused changes in ionospheric transmission and signal reflection. VLF signals often are received better in one direction than the other. In a study of this, it is believed that this non-reciprocity results from magnetically caused changes in the waves coefficient of reflection and transmission at the ionosphere. It has been found that the greater signal loss of reflection in one direction actually is caused by increased transmission OUT THROUGH the ionosphere. THOUGH the fact that radio waves do not travel equally well in opposite directions may seem surprising it is now well documented". This article goes on to say that there are also DUCTS and LF signals may get to the same place via different ducts, arriving at different times, because of longer or shorter paths. Wonder what duct or path G3PU and ZL3RB were using????? Thanks a Mc Chas/W5SOT. VK5KO has also noted this phenomenon between W and VK and says that Ws must have much more power to get through than VKs for same signal reports. Let's watch this closely during IQSYs - Tex!!!

W1BB SUMMARY LOG

WEEKEND FEB 14th --- A strange morning - DX vry poor to Eu - as a result EUs and Ws QRT/went back home however!! most excellent Condx to W Coast USA prevailed. W7ZCA, WA6HXT/7, WA6CDR came in until 1100z with good signal strengths and little QSB p BEST OF THE SEASON!!! (Why should DX be good to West and not to East??? - see above) --- W/VE/VO ACTIVITY:: *W1BB/1:G3LIQ, RFB, PU-6BQ-OKKLI-DLIF-K I/7, W7ZCA, WA6CDR, WA6GWJ *W1EEN:DLIFF *W7ZCA*W7ZCA:"Biggest thrill of my life - rec'd SWL/QSO de G3PU hrd my sigs 339 while I was QSOing you/BB this AM - been trying hard fr 2 way to Eu - ears glued to Rx every wk - W9PNE bn vry fb pal/helper - w1 b happy day when can rpt 2 way Eu/Nevada"!!! Admire ur patience/perseverance Paul!!! *VE2ATU:"Cndx poor-QRM-QRT" *VO1FB:G8PC-3SED."VFO trble"
● DX ACTIVITY:: *Gswl/SMITH:W1BB/1-2IU-VE1ZZ."Cndx bad - OK/Novice OLSABW hrd-Ital Filter in Rx nw wkg FB" *Gswl/IBALL:W1BB/1 "Cndx poor-high noise-fish/fone QRM" *DLIFF: W1BB-2UWD, GGL-VE2UQ *G3PU:W1BB/1 2IU, GGL ● OTHER PARTICIPANTS:: GMDTK-G5JU WIDBY, BHQ, KLOOV-WALCAG-2EQS, KHT-3AJS, EJU-VE2HQ-W4ZCN-VE7DU, ABT, ABG, BNY. UNUSUAL East/West conditions of paramount interest today.

WEEKEND FEB 28th -- ARRL CW DX CONTEST --- Conditions for th's TEST tried to average things up a bit - and did an excellent Job. GOOD propagation conditions existed both East and West and south and many DX QSOs resulted. G3PU hrd HPLIE 339 0740-0800. W3GQF, 2GGL, 1BU, EB Hrd VK5KO 1135: 229/389 for 15 minutes - W6/7 stns were in vry strong on E coast -W1BB and others wkd HPLIE for first time. (W1BB's No. 86!!) ---Best session 28th fr 0200-0100z when sigs were in steady and many weak 8-10Watt stns were hrd and wkd -- Participation did not seem as good as usual however --Among DX participants & doing FB job were many Gs-HPLIE-HISXAL-VP3CZ-EI9J-HB9CM-PAOPN-GC3CCZ-VK5KO and others -----
● W/VE/REPORTS::: *W1BGT:G3FGT-DLIF-GW3JI, FSP-HB9JG, CM-OKINT-HISXAL-EI9J-PAOPN "Ford & Cld otrs" *W8GDO:VP3CZ-G3RFS, PU-HPLIE."HPLIE my 35th Country!Considering COX, wkg 3 Continents not so bad! Should say not Willie-VFB esp de W8 land!!! *W9PNE:VP2VL-G3PU-HPLIE-XE2OK-VP3CZ-HISXAL VFB BaICE" *W3EIS: G2TLY, POA, JVI, SED, LIQ, LMO, PU, RFB, RFS, FGM, OCT-GW3FSP, JI, PNB-EI9J-HB9JG, CM/VP3CZ-PAOPN-G6VC, QB-VP2VL. Hrd. GI3PDN, DLIF, G3KBC, TEO, GOL."Used 1000' wire on Four 120' Towers!! THIS ARRL DX CONTEST WAS THE THING!!! NEVER HEARD SUCH FANTASTIC CONDX IN MY LIFE!!! *VE3DU:G3PU, RFB, LIQ, RFS-6BQ-GW3JI-VP3CZ-HPLIE-HISXAL, XE2OK."Darned!! if I could QSO a single one!! Eu Dx hasn't been as good as 1st yr w/sigs much weaker, even on the best nights" *VE2ATU:G3RFB, PU, RFS, OCT-6BQ-EI9J-GW3FSP ● DX REPORTS::: *Gswl/SMITH:W1BB/1, BHQ, WY, BU-KLICD-WALCAG-2IU, EQS, GGL, HGT-3MSK, GQF, AZR-4BU, W6AIH-SFGX, EMX-VE2TZ, LI, UQ, ATU-VO1FB-HPLIE-9LHX-VP3CZ-VP2VL and reports hrg WLLC &KZRE on 1799/1800 apparently ship stns - asks who is TLBC on 1820?--Dunne Norm-Tnx rpt. *ZL3RB:W7UFB/449, K7KSW/448 W6NW/339-VE2UQ/339. (On Feb 24th hrd phones W6HIA/45 QSO W6FYR - hrd dog barking in HIA's (TH) "W1 be on 1876 for Dx - Cudnt raise any of above stns" *VP3CZ:Wkd many Ws all dists &VE2,3. Hrd G6BQ 3RFB, SED, LIQ-EI9J-XE2OK-HISXAL Wkd HPLIE, HB9CM, G3PU."Hrd DHJ for 1st time 339-sigs stringer West than East-Gs hr me btr'n I hr Them *Gswl/SMITH:W1BB/1-569-222z *DLIFF:W1BB/1, BU, HGT, WY, TX, BHQ-VP3CZ and WCC!!! *HISXAL:"What U sed abt cndx btr weekends NOT Transatlantic weekends I found vry TRUE. This ARRL TEST at home w/poor Ant --"Hrd the world" FANTASTIC CONDITIONS!!! Shd bn at HIAT BC

Since no spectacular DX was worked on the following WEEKENDS, to save space, WE'LL rpt BRIEFLY!!

WEEKEND MARCH 7th ---- A "Crying Shame" - with the BEST skip condx of the yr - QRN fm GALE on East Coast S9!!! Bu sigs strength equal to Jan 10th's superb Condix - a few of the stronger signals got through but the rest were "washed-out" and all hands QRT early - a shame!!! VP3CZ

WEEKEND MARCH 14th ---- VE2AV was the STAR, QSOing may W/VEs for their FIRST Antigua QSO - VP3CZ, De also did FB Job. G3PU was only Eu hrd - DX to WEST good!! - K6HKT/7 did FB Job - 1110 approx s / W1BB/1 wkd VK5KO 579 - G3PU, DL1FF, HB9CM also QSO'd VE362 - CONGRATULATIONS to Philo/HB9CM on new Country & New Continent/SA and DL1FF and HB9CM for FIRST EVER DL/HB//VP3 QSOs!! These condix show tt during Equinox 160 sigs "SPIRAL" around the Globe - NG to W/VE but FB to VP3 and VK lands.

WEEKEND MARCH 21st ---- Condix were excellent fm 0000 to 0700z with many Eu-W/VE QSOs DL1FF was steady 589 for long time and wkd VOLFB, W1BB/1, W2KQT, BYM-VE2UQ. Gw1/SMITH Hrd: W1BB/1, WY-2IU, GGL-3GQF-ØVEH/1

WEEKEND MARCH 28th ---- Conditions were not very good for second part of ARRL DX CONTEST.

MISCELLANEOUS TOP BAND NEWS ITEMS

Gw1/ROBIN/A4068:: I am told bya friend tt SWL crds are destroyed by ARRL - wonder if U cud confirm this?? Does this apply to VE stns?? ----(Absolutely wrong Bob-ARRL do excellent job, sorting, distrib & Delivering SWL crds to local bureaus --However it is NECESSARY tt individual stns keep in touch w their local QSL bureaus. THIS is where the "Rub" is -- many stns do NOT take trble to do - if they dont - and ur ord lays arnd for 3 or 4 yrs - then ONLY is it destroyed --Ed) ● G5XB/STAN:: "Just a line in honor my 1st W/QSO!! After breaking ice w/BB, QSO'd W2, which proves it CAN B done w/ under 10w - bn struggling since 1957- top loaded vert seems best hr" ● GN3IAA/JIM::"Hrd TP5TP 17Jan clg BB-Pirate??. (Understand NO TFEs licensed this yr-Ed) ● VE7AKI/SID:: 2/65"Frst time on band since '63 - condix rthr poor-shud pick up during nrt 3 mos - lie ran out/just renewed-1st QSO w/W5SOT-nice meeting gang agn!! Great bunch on 160 - during CQ Test East Ws gud fr hr bt didnt get many replies asct QRN - KL7AUV wkd by K7DEK/7-Hvnt hrd Jas-LORAN vy bd 1880k - 1st JA I ever wkd was on 80 w/ 1 watt using "B" Batts-so shud make it on 160/2Mc - planning trip to Merritt BC w/5w Portable"---Hrs a VE7 fellers! Tnx Sid. ● G8NF/HAL::"W/help G3IFD,HRD, KKP, MMK, testing ants @"Quiet" site nr hr -40 miles-tilted dipole 2 to 3 pts btr than VERT - but loadedeVERT SUPERB fr QSOs up to 1000mi and fr local daylite leaves dipold COLD!! - Cndx poor lately - Nw tt we hv gud site wud like sun gud DX skeds!!" OK-fellers, write HAL! ● CALLS HEARD IN JA/LAND debJALCR:: JAZWB:W6RW, i/30-56/79-7VGQ, L229 JA3AA:W7VGQ, 6W, ML, WA6ATY, 9MALP-9LHX, W7VCG Jan 30.31 - VFB Tnx!! ● CONGRATULATIONS VE3ABG:: Who ph QSO'd WA6CDR 1010z 13Feb rec'd 57, rent 47-QSB-NICE WORK!! ● de K1KSH/AP5::"Basically I must be an optomist - still waiting fr tt lie!!-Maybe I wont get on hr tao - EUT I always think THERE MUS BE A WAIT!! I think we'll make it!!" Sir fr trbls Gary -Admire patience, perseverance etc!! LUCK!!! ● FYswl/RASP::"Was on 160 CW CQ DX TEST as observer @W3DGF-hd lots fun-wkd many Ws & HR3HRAG2AAC - band sounds real different hr than in FY/land - wish we had such low QRN thre only once!! Hi!! W1 go bk FY Afril - Computer class gg well - hope get LIC & On air as HAM one day" - VFB Rolf-Best Wishes! Rolf wl B flying bk via W1BB middle April w/ 7593 HOPES!!! --Then there'll B cum SWLing done-- and maybe HAMMING Too!!! ● de EX Gw1/nw G3JWJ/Alan WYBROW::"W1BB, Tnx my 1st W/VE DX QSO - hv ord fm U enfrrng rpt sent U when I was SWL/G3331-Jan'51 - on it U sa "Hope wk u as HAM sun da" W1, I finally made it 14 yrs ltr-also wkd W1BB, TX & W3MSK" CONGRATULATIONS Alan!!! ● CALLS HEARD BY G3PLQ/mw -M.V KUMBA off COAST OF AFRICA:: Wa1CDR-2FYT, DGT, KQT-5TWN-ØGDH-3GQF-W1BB/1-VE2LI, LY, 3CDR, KE!!! Tnx John. ● ANTIOCH DX SOCIETY de Wa6GJW/Jim::"Re CQ 160 TESTCall members hd fb time altho DX cndx leusy, & bleeder trble pwr sup lt go during prime hrs & Lost 2½ hrs time - to show 160 spirit Dan/K6PJJ drove 100 mi fr new bleeder-only thing we didnt hv duplicates of-tried new QTH-gud fr RX/poor fr Tx - seek abt 16k, 166Q30s, 4Countries, 7VE Prov. 34 States - nw hv found antr Dx QTH 15 mi fm home. Don/W6IDY ge hlp us put up his new super-gain 160Ant-wl b all set next TEST!! Congrats Boys - fine Job!! ● H18XAL FRED::"Nxt yr expect b H13 opr fm BC Stn H1AA site w/5LJ Rx!! Several Dominicans showing 160 inter H18RO, WSR, MCP--RO owns stn H1C & may fire up at site nrt yr - bn QRL vy personally addressing over 2000 all bad contest QSLs recently!!(WOW!!) Incidentally, fred pushing to hv 160 operation made standard in HI land - Tnx & Luck Fred-VFB!! ● W9PNE/Brice::In hospital 4 das FEB-ulcer flareup-nw a strict diet/limited wkg hrs-also 160 DXing limited-vy vy vy stj BRICE!!! U did VFB Feb 28th - hrs to COMPLETE recovery sn!!! ● W7ZCA/Paul::"Lst 2330 10 yrs on 160 in big city-nw 10 mi out in th Sierra Nevada Mts Elev.6000!! Hv 2 ants, dblt 50' High & 100' Top loaded vert w/35 1/2wve Radials!! Dont wk much DX but enjoy wkg all states - on 160 only" --Tnx, VFB, Luch fr DX Paul. ● OK2BN (Ex OK2KET)Standa::"OLIAAG may wk ALL 160 stns - we nw hav "CW MONDAYS" in OK/land-the 2nd & 4th evn M / 40-90 OKs btwn 1830-1850k-TESTS start 2100z-Certain Russian Stns allowed special 160 priviledge UA-3AA, UB5FJ, UO5AA, UA/KKB" Tnx Standa-Best wishes w/ur new Call OK2BHX!! ● CCONGRATS G3PFG/Dave:: on ur WAC/160, completed with VK3BM QSO 6MAR'65 2010/2015z-VFB!! ● CONGRATE STEVE G2BVM!! Who has b elected EXECUTIVE VP of RSGB 0 sez 2 busy yrs ahead w/Region 1 IARU enfrrce in YU 1966-Tnx Steve fr excellent coverage 160 U gv in RSGB and BEST WISHES!!! ● W/PSF/Larry:: has neat trick cutting F hronomic QRN on 160 using shunt Xtals across IF Transf - if U hv trble/write larry.He Graduating Fz KSU this spring!!!

THATS ALL FOR 1964/1965 FELLERS!!! B.C.N.U. 1965/1966 SEASON 73/St

October 24, 1965

PYswl/Rolf

Was delighted to receive your nice letter - THANKS!!!

WONDERFUL on the trip to Detroit!!! That WILL be a suprise for your friends - hope you meet them and and have a good time. If you get down this way will be happy to see you again - although you better write ahead - my winter season is very QRL and you may find me tied up with one thing or another - Church work-Business- etc - but there certainly will be time to have a visit all OK!!! We can arrange it!!

GREAT on the new Gear - sounds real intriguing - Those DRAKE rigs apparently have what it takes - nice you can have them ESPECIALLY as they contain 160 meters!! THEY are smart people to include 160!!!

Was just about to mail this Bulletin when your letter came - so this has all the information otherwise.

Sorry no contact HPLIE - he is a bit elusive - it took me about 7 years of trying to QSO him ob 160!!

Dont understand if you are going back to Panama or back home when you leave states - and about the licensing situation - if you can operate portable there etc etc

YES - we can now have HAM license plates in Mass'' at long last!

HAPPY FLIGHT - HAPPY LANDING - HAPPY TIME - b.c.n.u. - Tnx

OCTOBER 10 1965

WIBB -- 160 METER DX -- BULLETIN

Stew/BB 1965/1966 No. 1

de WIBB -/Stew ::: Fellows, would we actually want a "Crystal Ball" to tell us whats ahead on 160 this 65/66 season, already started?? I think not!! The challenge of the unknown is always more thrilling and exciting and interesting, especially for the "DX Hunter". ----- This winter should produce lots of supprises, good operating, and FUN!! ----- WIBB'll stick his neck out a bit and say feels this should be one of our very best seasons!! Could be wrong - but based on propogation condx served all summer and fall - or maybe just the feel of the DX climate in ones bones - I'm personally quite optomistic!! HOPE it is right! Here's to lots of fun for everyone, and some new Countries for ALL including BB ----- Via this BULL wl agn try to give highlights of whats Happening, and DXing on 160, to all the Radio Mags for publication. Copies of this BULL will also be sent gratis to DX participants who report regularly to WIBB by mail. Other active on 160 can obtain copies by keeping a ~~supply~~ supply of S.A.S.E.s (Long Envelopes) at WIBB. HOT news is sent to Mags via special FLASH, and/or QST de WIBB, time permitting, Sunday Mornings before the DX tests. We'll try to keep out all errors, but a few are bound to creep in-if so - we'll gladly correct them. ----- The IQSY is still on and special QSLs available de WIBB --ZELAZD, New 1801ke Beacon still perking FB -- Special "FIRST TIMERS" tests -- 4ULITU and other new ones expected -- JAs to be worked -- CQ/WW/160/DX/Contest on JAN 29/30 -- Annual TRANSATLANTICS, see herein --- here's LOTS of good activities, with undoubtedly some unexpected ones to come!! A FULL program!! Working DX on 160 is still unusually difficult, challenging, interesting - and it takes patience, perseverance, "Know-How" and a "Top-Notch" station with good operating - in testing our skill, it provides an unusual thrill of accomplishment -right?? A lot of activity has already been indicated by letters received indicating Antenna work, Ground work, equipment trim-up etc --- S0000000000000000 lets check ours and get in there pitching!!! Too, lets each one of us do our best on the other bands, correspondence etc, to get more COUNTRIES on from rare and exotic 160 meter DX spots!!! HAPPY HAMMING always, best of luck, and b.c.n.u. on 160 for sure!!!

73 de Stew/WIBB

and WORLDWIDE

1965/1966 TRANSATLANTIC/DX TESTS ----- Again, reminiscent and symbolic of the first original PIONEERING Transatlantic Crossings by Marconi, DeLoy, Schnell, Reinartz, Co. by 1901-1924, and continuing a yearly operating activity on 160 established 1932 and held every year since - (Except War Years), The ANNUAL - TRANSATLANTIC and WORLDWIDE "TOP-BAND" DX TESTS will be held on the following SUNDAY Mornings - (And Sundays, for areas where the band is not open mornings). DEC. 5th and 19th,, -- JAN. 2nd and 16th,, -- FEB. 6th and 20th,, -- During these TESTS special efforts will be made to establish new records. W/VE stations should call CQ DX TEST the first 5 minutes of the hour, and alternate periods thereafter - listening between. DX will call CQ DX TEST the 2nd, 4th, 6th 5 minute periods etc - listening between. Adhere this sked except when QSOs in progress. Use authorized Fys. W/VEs EAST, 1800-1825, WEST 1975/2000Kc. EUROPE 1825-30. VK 1800-1860, JAs 1880 Spot Fy - AFRICA 1800-1825 Mostly. These TRANSATLANTIC TESTS are exciting. ALL HAMS are reminded to be alert for unusual DX openings anywhere over DARKNESS PATHS, at sunrise or sunset times either end of the path - just as long as the path is a DARKNESS PATH, and at or near twilight, or sunrise at either end. This is when 160 meter signals "Peak". REMEMBER these are "TESTS" - NOT CONTESTS!!! for pleasure in an unusual operating activity, without competition, and to develop some propagation information, which may make a worthwhile contribution to the art of RADIO. W/VE stations to send rpts of TESTS to WLB immediately after EACH test - Stewart S. Perry, 36 Pleasant Street Winthrop, Massachusetts, USA for logging and reporting. G, GM, GW, GC etc send reports to G6QB - "Tommy" ~~WARRINGTON~~ THOMAS, DX Editor SWM, 49 Vinchelsea Lane, Hastings Sussex England. Other DX, May send their reports to either. The IMPORTANT thing is to send in your report - DO REPORT!!! WLB will always be glad to arrange SPECIAL SCHEDULE with any station wishing to test out unusual paths and conditions and will send full instructions - also will sked any station who has not previously QSO'd W/land. Remember to set your clock accurately and keep the periods. See also "SPECIAL FIRST TIMER'S" TESTS to follow!!!!!! This is important!!

SPECIAL "FIRST TIMER'S" TESTS ----- This season's TRANSATLANTIC DX TESTS will feature SPECIAL tests when ALL OF THOSE on one side or the other, who have already previously at one time or another crossed the Atlantic, or worked real DX on 160 will QRT, ie, stay off the air entirely, on that particular morning to allow the weaker stations who have never crossed before to have a go at it, without fighting the QRM of the bigger antenna and better QTH boys. ---- One morning, the Europeans, except for those who have never crossed before will QRT. The next TEST, all W/VEs will QRT, except for those who have never crossed before, ~~who~~ worked real DX. On the opposite side everyone, including the "Experts" will listen for and try to work the weak ones, the FIRST TIMERS on the opposite side. The "Regulars" who are to be QRT to give the weaker boys a chance, can either listen, or stay in bed for some much needed sleep!!! -- This idea was originally suggested by GSPG, then mentioned in WLB DX BULLETIN, then RSGB/SWM/Etc and has been ENTHUSIASTICALLY endorsed by many 160 DXers-- SOOOOOooooo we'll give it a try and here's betting that ALL OF THE BOYS will cooperate 100% to help these FIRST TIMERS!!! --- Please pass the word around so that these SPECIAL Tests and procedures will be well known to all, in advance, so that when they do come, quietness and FULL Cooperation will be observed by all the "Regulars" and those who have previously "Crossed". We will all be happy to help some brother 160 DXers make their FIRST crossing, and have the real thrill that goes with it. It will also be interesting to see who can work the most of these FIRST TIMERS. The DATES for the FIRST TIMERS Tests are as follows::: EUROPEAN/AFRICAN "First Timers", all others QRT DEC 19th and FEB 6th ---- W/VE/North Americans "First Timers", all others QRT - JAN 9th and MAR 7th. --- Times will be same as for TRANSATLANTIC DX TESTS. Those on the opposite side from the "First Timers" should CRX and listen intently until a call to answer is heard. A SPECIAL REQUEST to W/VE/NAs is to stay below 1820 Kcs so as not to QRM the sector 1820-25 where many Europeans must operate. Suggested Weak European/Africans use 1823-1827 Kcs as best Fys. Note that the W/VE/Na "First Timers" are Dates in between the regular TRANSATLANTICS whereas the Eu/African "First Timers" dates are on the regular TRANSATLANTIC TEST DATES. ALL of these selected dates are times when Condx can be good for signals. Best of Luck - b.c.n.u. '73 dx Stew/WLB

SUMMER SUMMARY 1965 ----- Contrary to Expectations, there has been less 160 meter activity this 1965 summer than Anticipated. ----- Skip conditions nevertheless were very good as proved by the MARKER and Amateur DX Signals heard, ----- The lack of activity is partly attributed to the normal summer operating decline in favor of outdoor living and fun but mostly we believe due to the heavy QRN almost every weekend which discouragingly washed out some excellent signals and conditions ---

4ULITU importantly opened the Summer Season May 15th, 16th and 17th celebrating the 100th anniversary of the INTERNATIONAL TELECOMMUNICATIONS UNION, Geneva Switzerland. HB9CM/Philo and G3OOH/Gerald under the authorization by HB9AEG President, and assisted by HB9UD, HB9AET etc put a station on 160 making 150 QSOs w/ G, GM, GU, GC, OK, DL, OE, EA, HB, OH and VO1FB, May 16th 0345 for a FIRST EVER!!! (Many Congratulations Joe). WIBB/1 the only W signal Hrd, was also the only DX signal hrd and not QSO'd - reports were exchanged both ways, but ~~WIBB~~ due to terrific QRN, were not confirmed - the Nearest of Near misses. But the Atlantic was crossed to QSO QSO VO1FB/449, 1000 Miles nearer than W1. G3OOH and HB9CM promise fall and winter of 4ULITU. VFB Philo and Gerald - thanks a Million!!! Nice work!!!

Besides this:: PYswl/Rasp hrd VCC regularly and WIBB/1 several times. GM3TMK/Ian copied WIBB/1 569 for an hour June 15th --- Gary/KLKSH/AP5, was very much disappointed not to get AP5/160 license --- G3PLQ/mm/John, hrd VE2UQ and WIBB/1 AUG 21st 359/QRN off the Gold Coast of Africa on Steamer for which he is the Radio operator. --- G3SED QSO'd WIBB/1 and VO1FB AUG 15th --- ZE3JO is on 1825 Kes and OH4NH 1829Ke tried wk. but NIL --- W3AZR/Ike, busy w/New QTH/Ant. --- ~~W3AZR~~ WalCAG/Warren, Hrd DHJ/S7-sez "This is a QRN Summer" - He was hrd by GM3TMK 449 AUG 3rd. GM3TMK worked VO1FB -almost QSO'd WIBB/1 but heavy QRN prevented solid contact --- VE2UQ/Gordy on now and then sez VE7KC wl be VE8ZZ this Winter from Fisher Bay Baffin Land Antarctica on 160 --- G/swl/Norman Smith was very active this summer reporting WIBB's signals many times -- ZS5-052/swl Bert Ex/OESIBC hrd W5SOT/339 April 21st 0636z QSOing W7ZCA/1950ke --- August 29 WIBB/1 came on at 0400 for 20 minutes but QRN was so fierce he QRT after two 5 minute periods/However G6BQ/Jack copied BB 469 -- in other words skip was good - QRN hr terrific - No QRN in G land which only proves 'You are apt to be heard, many times when you least expect it' --- Active VE7AKI/Sid on 160 QSO'd crossband K1EZH/KM6/Roger on 75 and rec'd 56/79 rpt APRIL 21st. (Congratulations!!) sez that Roger will try to get on 160 this season. VFB and Tnx Sid!! Others heard on this summer:: W2IU, E4S-KLFBW-VE3DU, 2UQ-W3CEM-K4OLC-W3FZD-Wa4DUS -Wb2KXG-KLLZV.

WORLDWIDE 160 METER DX MEETING -----G3RFB/Keith and G3RAU/Derek have thought it would be a good idea to hold a 160 Meter CONVENTION some date in the future, when all keen 160 Meter DXers and enthusiasts could get together for a weekend to discuss things in common. ----- Europe has been thought of as the best location for several reasons, but they would appreciate ideas and reactions from all hands to this idea. (WIBB's only thoughts at the moment are that it would be GRAND IF such a convention were possible, BUT, that travel costs and time requirements might keep many away who would like to attend. Believe the first step would be a "Poll" to see how many DXers would be able to come if it were held. No doubt European attendance would be good)

OBSERVATION by ARMIN/DLFF -----Noticed March 28th a phenomenon quite common on 160. HB9JG, 600 Miles away from DLFF was working W/VE/VO stations very easily while ARMIN could ONLY hear and work VO1FB, 1000 Miles closer. 160 does seem to slow down in spots, like a "Spot-Light" occasionally, leaving other areas round/about, as it were 'in the dark', ie NO signals. This is sort of like a "DUCT" or sporadic skip effect. WIBB and many others have also noticed this. Tnx Armin.

CONGRATULATIONS ----- To G3FPPQ/Dave who completed his WAC/160 March 6th by QSOing VK3BM at 2015 BMT - VFB!!!

THE MOBILE MARINE BOYS ARE BUSY!! From /mm 160 meter DX Hams afloat on the high seas as Merchant Marine Radio Operators, who cannot operate 160, but keep an ear on the band, comes two very good reports. 1. de G3PLQ/mm-Bru 22426/mm-John August 22:::Off the Ivory Coast, South Africa, at 0432Z, 187 kcs hrd VE2UQ and W1BB/L rst 239/359!!! 2. de G3RAU/mm-Derek August 30::: At the mouth of the AMAZON river, on Equator, S. America -- Hrd Marker Sta DHJ/1830k/459/4500 Miles!! --ZE1AZD, 10w BEACON STATION 459!!!! This is a 4000 Mile hike. Truly Remarkable and tribute to faithfulness, and foresight and perseverance of ZE3JJ/Ivan and ZE2JV/Ray CONGRATULATIONS!!! -- W1BB/L.1803k/569, also WCC, 60 mls fm BB 2036k 579 - TNX Derek!!! They have tried vainly to get /mm 160 licenses - too bad!

INTERNATIONAL AMATEUR RADIO CLUB on 160!!!! During their celebration of the 100th Anniversary of the INTERNATIONAL TELECOMMUNICATIONS UNION, Geneva Switzerland, May 15,16,17. Through the interest and foresight of their Honorary President, John B. Gayer, HB9AEQ - and with particular thanks and appreciation to Philo/HB9CM noted 160 DXer, for his enthusiasm and vigor in organizing the operation with the excellent cooperation of G300H/Gerald, ~~HB9CM~~/Gherd/HB9UD ex/DL7HA, Igor/OKLKY, HB9AET,... Their station 4U4ITU was operated on 160 for many hours QSOing any and all comers. -----Operating fy was 1827.5 -- Antenna Inverted Vee designed by HB9CM w/apex 70' high & Erected by Gerry/G300H. Rx was HQ170A & Tx an HI50A, plus Philo's own Ital Controlled Tx. ----- Operation each day was 2000-0000-0600 GMT with 0000-0430 set aside for Long Distance DX, esp. W/VE ----- Philo/HB9CM writes "Net results:: 156 QSOs w/ G,GM,GW,GC,OK,DL,OE,PA,HB,OH & VO. W1BB/L was only W signal cmg thru - & was also the only 160 meter signal hrd and not QSO'd/rpts were exchanged both/ways but due to S9/QRN were not confirmed/the Nearest of Near Misses -- we were psd to cross pond however working VO1FB". -----Friend/Gerald/G300H, a staunch 160 enthusiast now, says that"what hasnt been done yet WILL be done this Autumn or winter. A 160 Meter station will definitely find a place in the ITU building in GENEVA - I myself, and Philo/HB9CM will be back agn - pse let the boys know we will select a few whole nights when we will look exclusively for W/VE/NA DX"!!! (Tnx a Mc Philo and Gerald -VFB-bona) ----- The first purpose of the Club is to foster through Amateur Radio, International Friendships and understanding. You would do well to support this organization and help the good work. Annual dues are \$5.00 which includes their Annual Technical Publication "4ULITU CALLING". Write John B. Gayer, Honorary President of IRAC, Geneva, Switzerland!! 4ULITU Counts as a new Country!!!! LUCK!!!!

"T. UPPER 5 Kc" It is hoped this season that all W/VE/VO stations will refrain from operating in 1820-1825 Kc segment during DX periods - since the weak DX stations creep down as far as 1821 Kc and cannot compete with our W/VE signals there. We feel sure the W/VE/VO 160 DXers will do this without any question. Additionally, it would be nice if each of us try to induce the phone boys and others in this segment of 5 Kc to QSY below 1820 during DX hours - Sunrise-Sunset-0430-0730GMT etc. This of course should be done in a nice way, realizing that everyone has an equal right to operate here if he chooses - but most fellow HAMS will be found cooperative if approached right, and it could be explained that this applies primarily to weekends - which isnt too much time to give up, or QSY. But as a group, please, lets not have any hard words with anyone about the matter!! Nuff sed????????

W1BB SUMMARY LOG

SEPTEMBER/OCTOBER:::Has been sort of a "Warm-up" period with around a dozen Gs/DL/GMs etc coming on - and the same number of W/VE/VOs -- QSOs have been made across the pond every weekend -- Some weekends the condx have been good - others very poor - or good conditions and the "Hang-on" of the QRN that has plagued the summer. PARTICIPANTS:: W1HGT,BHQ,CVO-WALCAG-KLEWK-2EQS,IU,FYT,LWD-K2 GAL-3RGQ,AZR,WE-4DUS-7UFB-8BG,LRE-VE2UQ,ATU,3DU -- G3CFV,ERN,FGT,OGT,RFB,RBP,RLF,RZW,RMN,RTY,SED,SCF SGC,SYS,TYL,UKV-5RP,MP-6BQ-8PO-4PT--DL1FF,GMBTKK,VO1FB - Gswls!!! Bob Iball, Norm Smith,Vic Lindgren Conditions were particularly good one night, and conversely poor ~~one~~ one of the others

*** MISCELLANEOUS ***

VE2UQ/Gerdy::Believes VE7KC, a Govt Rde man w/Access to good antenna, w/ operates 160 as VE8ZZ, at Frobisher Bay, Baffin Land, N of Arctic circle this season, This is same spot VE2UQ tried out very successfully yr ago on quick trip,operating then in tuning box at base of tower, most freezing to death!! CONGRATULATIONS TO BOB 9WALP/SINGAPORE:: Who worked the two "Kongest Hauls" on 160 during CQ/WW/160 DX TEST - QSOing GM3IGW & G3GRL -A real feat by ALL!! OELKU/WILLIE:: Vacationing in St NILOLAI - sez w/ B active this yr - hps fr "15 on TOP BAND" award - suggests gang try for "WAGE"160 certificate. GOOD NEWS!!-9L1HX/PETER :: with new QTH, expects hv full size Grad Plane, and be active 65,6. W3AZR/IKE:: We are glad to hear/out of hospital aftr vy successful operation - having QTH troubles however-1vy in trailer at present -Hopes hv new QTH on high land w/8JK 160 mtr beams -50' high NE/SW and E/W - sounds exotic!! Luck Ike!! G3PLQ/mm-JOHN:: Sent in a most excellent report of stns hrd at sea btwn 24FEB&6APR-anyone wanting copy/Advise-He is also trying excite interest in new Countries at new ports of call - most recently ZD7,9L1,9G1,5NJ & Others. Tnx John and keep up the gud wk - What a Pity!!! you cant hv 160 on Board!! STATISTICS 64/65 - 23 Different Cntries hrd, plus VO1,VE2,3-W/NA/KL,2,3,4,5,6,8,9. - Total 517 Stns - John has had more SWL cards printed-Get Yours??

Sez ZC4CZ & ZB2AE shuld B acty this yr - This summer Hrd W1BB/1, VE2UQ off Gold Coast Africa - also sez ZD8TV may operate fm ZD7, & GW3ND fm ZD9 this season - Hope so!!! **● PY/swl, ROLF RASP:** rpts 100/2036k, W1AW, 579 much of time this summer 0400-0500GMT - band apparently well open on 160 - too bad no skeds in progress!! **● VK5KO/JOHN:** "Trying to line up skeds 7ac w/W1HGT so when 1.8Mc cums thru w/ an ancherto East Coast - FB! **● THANKS GM3TMK/IAN:** who mailed rpt BRUs sigs 569 Solid Copy fr hr in w/ KLLZV (Not hrd) JUN15 0215-0315z. IAN sez, summer condx GOOD. Is QRL getting ready fr 65/66 QSY season w/ Lighthouse/A QTH & otr ideas. VFB!! Sez ZE3JO on 1825 & OH/NH QRV 1828/30. ZB2AM & BRU VMSBM expected too. --- **● DX STAMP SERVICE:** To make sure of those rare QSLs, send to "SAX"/W2BAW, 125AW-466 Weavers Rd. Webster NY-14581- for list of foreign stamps & Prices and "Instructions" how to get 'em!! A VFB service!! **● Gswl/Vic Lindgren :** SEP12, W1HGT/579, W1BB/1/589, W2EQS/569, VE2UQ/459, W1AW/459, KLPBW/459 **● W3AJ/ED:** Tried 160/1 @ Har Harbor/Mc. this summer w/807-complains cudnt get gdn red dwn thru rocky NE Coast!! Also tried 160/VE - a roaming ardent DXer - got VFB batch 160 QSLs - NW all perked up to wk more. Continues his VLF monitoring. VIX/Canberra 44ke best sig in 3 yrs!! Is this good portent for 160??? maybe!! **● W1HGT/Ralph:** been getting out VFB, whd G/DL already - sez PJ2 boys pushing for 160 and ZB2AM QRV 1.8 Nov. 1st!! Tnx/luck! **● W8GDC/Willie:** one of the original 160 boys had real ruff time w/tornado APR 11 - which leveled his old HOMESTEAD, luckily vacant, 1 1/2 miles fm home QTH - was on air 1.30AM for 48 hrs handling all sorts emergency traffic. KBCIE who lost his mother & house assisted -- Wn8QAB lost brother in law/2 children/also assisted. Lost Church too - Willie is OK and we all hope to hr him on 160 65/66 DXing agn. **● VE3FSQ/IVAN:** He & VE3ABG/Joe plan form 160 club Toronto w/club call & Stn. Ivan plans active 65/66 - Has ARC5 @ 125w on 160 - SX38/hopes fr 75A 75A4, 265' LW "Used cover BC band w/AC/DC ELECTROHOME 40v-51S 1CV BCrx - one day tube burned out/in replacing, accidentally touched coils, BINGO! in came W1PPN talking abt home brew rigs etc, wrote Cliff 30 page ltr - Cliffe sent QSL crd-framed it -was fired by excitement/enthuriasm - got text books, stu studied, joined WEST SIDE RADIO CLUB/VE3JJ, became Ham a year ago!! Has SWld BC band, has 15 Cntries confmd" WELCOME to 160 IVAN/vfb!! **● WA/CAG/WARREN:** Hrd by GM3TMK/449 AUG2-has vfb /1 summer QTH w/25w on CAPE COD, hopes retire there sum day - but QTH crowded and TVI -Hrd DHJ S7 several times -Believes there is a West to East vs East to West propogation Ratio of at least 3 to 1, possibly 5 to 1 - in other words, sigs come in from the West that much better hers. "It sure has been a QRM summer"!! **● G/SWLs NORMAN SMITH and ROBERT IBALL:** started season early, reporting W2IU VOLFB, W2S, W1BB/1 & Others. We owe them big vote of thanks - for their activity and cooperativeness. If you want special reports on your signals-write them, (QTH de W1BB), both are high up in ISWL. Last season Bob Sez "On the whole, the 64/65 TESTS hv bn good-when the band decided to open there wasnt any half way measures. Hrd 43 different DX stns - if I was type of SWL who logs DX only, might hv doubled that" VFB - Congrats boys. **● 9M6BM/BILL McLARDY:** has lic for 160 - 1.8-1.9 Mc 90w PEP until FEB 66 - ant 4x137" RHOMBIC 20' Not too gud fr 160, hopes put up specaal 160/ ant - w/ B on 160 as militard condx permit-wl contact Bob Snyder 9M4LP/Singapore, between them Asia shud B hrd fm (% RAF/TAWAU, BFPO663, GPO/London) **● VE7AKI/SID:** Proved tt JUN THE! month for W7/VE7 to QSO ZL, when he tested w/ZL3ABV & was clearly Hrd on 160, (ABV QSP'd on 80-has no 160). Sid intends TEST w/VK also. Sez best time out West, is LONGEST DAY, June 21st - which is also ZL/VK Longest night, at sunrise VE7 time 0530PDT. Any W6, 7/VE7, etc making VK/ZL Skeds shud check with Sid for latest info. VK/ZLs shud use 1975k if possible/LORAN bad on low end. **● G3JJI/BOB:** "Would like QSO across pond, Hv 10w, 300 300' LW, 28' High. Wkd OK, HB, DL, GM, etc-wl B Active 65/66" VFB JOHN, Best of luck!! bonu **● KV4CI/PAT:** Ships Opr-hopes hv 25w, 266'hertz-1905, 1990, 1995kc - N Side St Thomas I this season - we hope so too Pat!! **● OR6HS/HAL:** "It is a grand feeling to be among the 'TOP-BANDERS'" -Uses 260' LW, 60' High-on regularly Sat/Sun - QSO'd Gs, EUs, OH etc -He Hrd MAR28 W1HGT, BB/1-VOLFB - "Itbis a pity we can only use 10w" Wl Hv Stn Tip-TOP cndx for active 65/66 - VFB Hal!! **● FB 160 PORTABLE RK/TX:** by ZS6AJM, R.J. Chaplin, PO BOX 796 Pretoria South Africa - appears in APR/MAY RADIO ZS MAG. - Ideal for those who want to build a completely portable 160 Stn. **● FIRST EVER SINGAPORE WORK!:** G3JKU/Wally writes- "Worked under call VS1EU in 1952 fm Singapore-had several phone QSOs w/VS9AW MASIRAH Isl. N of Arden on 1900k. First was 2200z-15th NOV'52- 3500 Miles RSTs 589. VS9AW gave talk to RSGB on this in 1954. Had rpts my sigs fm JA, VS7 (Now 4S7) & VK. Ran 100 Watts 500' LWVEE ant" - CONGRATS Wally - He nw concentrating on 160 mobile work using 10w/8' Whip-has wkd 200 miles sky wave-73 miles Gnd Wve VFB!! **● VP2AV/TED:** Has left antigua for good-we appreciated his vy gud operating/160 & Tnk Hm fr giving some of us a new Country. We also appreciatively acknowledge his making his Tx available for some otr Ham this area O Tnx a Mc TED - Gud Luck Always!! He wkd G3OLI and almost a DL this spring, CC RATS on "Crossing". **● VP3CZ/DEV:** (deK5JVF) Leaving VP land OCT65 for good-wl be G3CCZ fr yr - apologizes for slowness w/QSLs/wl catch up -hen home Gland-left 160 rig for his Guianese Technician so VP3 may still be on 160!! vfb/Dev - now specializing wkg SAME 160 DX Stns fm as many diff continents as possible-wkd 156 stns fm 6Y5, 109 fm VP3-wkd 56 SAME STNS FM BOTH - Dev gg Middle East yr or so - who will make 1st WAC ALL w/DEV on 160??? - This is a 160 DX Challenge if there ever was one!!! **● K5JVF/DAVE:** Checks in for 65/66 - sez wl shunt feed 96' high windmill tower w/40 Mtr & lightning rod on top of it.

beam

G3SWN/RON:: Put his 133' wire 50' Vertical/83' Horizontal (Instead ~~was~~ 20/83 - hrd
ZL3RB 329/449 3/14/65 QSOing G3RFB - also wkd W1BB/1 - Now planning 50' Vert w/Radials.
 Ⓢ STEVEN GIBBS Ex G3MBS, ZC4AK, MF5BEQ, 4A3CJ!! HOPES to be on fm 524 this season!! This boy sure gets arnd!! Lives only "A Lion's Roar" away fm NAIROBI NATIONAL PARK!! Ⓢ VE3DU/Dave:: Wkd VK5KO several times!! Cudnt wk G/land however!! Sez "Noted the excellent W6/W7 Reception Condr this 64/65 Season @- NEVER had better sigs fm tt Region!!!" Ⓢ G3RFB/Keith:: "Thrilled to Wk ZL3RB 3/14-15/65 my 449/his 569 - it took 1 1/2 Months getting up early to wk "Mick" but was worth it" - Many CONGRATS!! vfb!! (Believe only 64/65 QSO was G3PU/ZL3RB besides G3RFB) Ⓢ G3IOR/PAT:: QSO'd BB/1 in ARRL DX Contest FEB28, Sez "I was yy elated with this contact, having been trying to work across pond on top band for over 16 Years!! Have tried all kinds aerials - wish I had a dollar for every time I've cld W1BB - I'd have a shack full of equipment now!! Hv ~~heard~~ heard 30 states including W6NDI/Death Valley, 579!! GREAT GOING PAT!!!" Ⓢ K3UKZ:: A 64/65 NewComer to 160 wkd 16 States & 2 countries, in 3 Mos w/40w, SX16 & 132' Vee!! FINE!!! More and btr this 65/66 OM!!!
 Ⓢ W4WX/BOB:: Gave FB MOVIE of the HK6KZ/MAPELO DXpedition, at DXCC meeting Boston OCT2 - sez they tried Valiantly, with a Valiant, to get on 160, but ran out of time -- Bob who has FB QTH at VP2VL, and has made many a DxPediton, is a good candidate to make a "GUS" around all the VP2s w/ 160 meter Gear -- sez places to DxPediton to are getting scarce - so I sez, NOT for 160!!! SOOOooo maybe if we coax enough we can get Bob to DxPediton on all the VP2 Islands etc - let's try it!! This would add quite a few Countries. One other HAM among us has had this idea, but it has never materialized. HOW ABOUT IT BOB????? Ⓢ MANY MANY THANKS!!! To BILL LEONARD, W2SKE, who gives 160 a big boost on "VOICE OF AMERICA" programs!!!! Gang appreciates Bil - this program is heard "Round the World" - BB has had comments from VK land and others. Ⓢ W1HGT/RALPH:: "Just a note to let you know how much I enjoy 160" - have to take down all my other antennas to make room for 160 LW - which for sum reason or other, works - Perhaps the Hill I'm half way up on may reinforce my sig" (It sure works - Ralph got 579 fm VK5KO. Ralph's Drake 2LF Converter works fm 2mc hrd HPLIE 1999k, HGT was hrd by Peter also - ~~was~~ Was hrd 579 by OE6RS MAR 28 - vfb. Ⓢ HR3HH/HAL :: #Generally speaking, 1964/65 Condr Hr Hv Bn Gud w/ lots more activity - but I still cant seem to work G land!!" Tnx Hal-vfb seasons performances. Ⓢ G3JVJ/ALAN:: 1951/swl #G331, now a licensed HAM HAM - found right combination/wkd W1BB/1, BU, TX, 3MSK etc-uses 16w w/ 1/2 Wve T:INLEAD 50' High Ant in center-10' High at ends - Nice work Alan!! Ⓢ VE2ATU/IAN:: "Last Season 160 rather disappointing - not regularly - not much luck - did work HB8CM, VP3CZ, HR3HH for new Countries, now hv 14 - hope to do better this 65/66 Season" -- Incidentally IAN has FB HQ170 Receiver and RANGER new for 160.
 Ⓢ W4PSF/LARRY:: Has neat trick cutting BC harmonic QRM on 160 - uses shunt Xtals across IF Tx - If you hv problems/Write Larry - Graduated KSU last Spring - Nw Bk on farm & DXing this season - we hope!!! Ⓢ HB9TT/AL:: CONGRATULATIONS!! From QTH completely surrounded by Mountains, in DEEP VALLEY, w/ 10w EXACT!! QSO'd W1BB/1, MAR1/65 - was hrd also by VOLFB & VP3CZ - this is a real feat - his XYL HB9YL Vy Vy Psed w/ the O.M for this!!! Ⓢ W4VXO/HERB:: Checks in for 65/66 - has moved to Minnetonka, Minnesota - high place for 160 Ant - constructed 120' Steel tower w/ some TOP loading giving 150' Overall Height - has 36 Radials all over 100' long. plus 25 8' Gnd Rods & 10 Square ft of Copper Screen -- seems superies 85% of the time to Inverted Vee - this is on W/VE - will check on DX this winter - Sez "I am trying to prove that if the Books say verticals are are best, there must be a reason for the fellows with the Horizontals always saying they are better than any verticals they have tried. And I think the Reason is because most HAMS dont install the vertical properly - However my attempts to use the Towers of KQRS last winter were very very disappointing - with an SNR of 1/1 and 100 Watts to a 266' Vertical, I called HR3HH all night from there with no results - I gave up - went home - and got him first call from my Home Station!!" Interesting Herb/Tnx/Best of luck - keep us posted on results with tt Superb Vert!! Ⓢ Gsw1/DAVID HOWELL:: visi ed W1BB/1 this summer and had vfb "Eyeball QSO" - Had Picture show with slides from G3MDW/Kandy Kabin Ⓢ REMEMBER!!! The I.Q.S.Y. lasts through 1965 - world scientists are still studying phenomenon - and we should note anything unusual on 160 for the records Ⓢ RUMORS!!! still persist that the new Loran system OMEGA will eventually supplant all of LORAN - this we hope and the sooner the better - we hams may get all of 160 back if it does - however time to change over will probably be considerable. For good dope on OMEGA (Courtesy K1SAU) see BUREAU OF SHIPS JOURNAL for January 1965 starting page 7. Ⓢ CONGRATULATIONS W2EQS/Charlie:: FB article "Who says 160 is dead" May 1965 CQ Page 61 - FB!!! Ⓢ BEACON STATION ZE1AZD:: Ivan and Ray disappointed no reports from W/VE on it - still perking 1801.5 Kcs 10w 24 Hrs w/ F1 Modulation (F.S.K.) - Carrier interrupted 18 Seconds every 7 1/2 Minutes - write ZE3JJ.

FLASH

REMINDER!! TRANSATLANTIC and FIRST TIMERS 160 Meter DX TESTS. ----- Dont forget to mark your Calendars for this years EXCITING 160 Meter DX tests on Sundays As Follows.
REGULAR TRANSATLANTIC AND WORLDWIDE TESTS Dec 5 & 19th, Jan 2nd & 16th, Feb 6th & 20th
SPECIAL FIRST TIMERS 160 meter DX TESTS - Eu/A Dec 19, Feb 6 - W/VE/NA Jan 9 Mar 7th

23/BB
/Coy.

March 24, 1966

ROLF: :

Sorry I cant stop longer with you - but hv lots of BULL No.3 that arent out yet - have had HAMS HAMS HAMS visiting this week and last and not a minute to myself and there they are ready to be addressed and mailed!!! Just this Minute got thru with two Hams - one from WCC and he Tells me WCC is in SOUTH CHATHAM, a 200' High top loaded antenna with 2.5 Kw to it -- well anyway Rolf - I got your fine letter and will say more later -- but I wanted to rush this No. 2 to you - it isnt too good - I did send one to you in Panama and One to your home QTH.

NOW most important thing CONGRATULATIONS to you and Fred - very WONDERFUL your plans!!! GREAT - MARVELOUS!!! HOWEVER, I shall NOT put anything about it in the BULL until I hear from you that it is OK because these go to all the MAGS, and some individuals in high places, and I dont want to be blamed if you get in trouble -- if you say to do it I will - but I want to be sure you know the chance you are taking thru this BULL - SOOOOoooo shall I spread the word about PY1NFC and 160 meter skeds and operation, or not??? About being QRV 160 etc etc etc and QSL via bureau etc etc etc - this is principally why I wanted to rush this to you immediately.

HAVE talked with W0VXO, Herb - he had a grand time, and isnt it GRAND he left you with a transmitter!!!

THANKS for SWL reports my signals etc etc etc

BEST wishes for lots of HAPPY DXing on 160

73/Stew/W1BB

THIS BULL is "Scraping the Bottom of the Barrell" - only have 2 more left now!!

JANUARY 15 1966

W1BB - 160 METER DX - BULLETIN

1965/1966 No. 2.

de W1BB/GENERAL REMARKS ----- First, W1BB is VERY sorry for the lateness of this Bulletin No. 2 - Sincere apologies!! Circumstances beyond my Control. Am retiring from WORTHINGTON this coming June, after 40 years service - maybe we'll have a bit more time than!!! ----- Secondly, our "Hunch" about 65/66 possibly being our best on 160, seems like it is coming true - judging by the signals, Conditions, Activity and especially the reports from you 160 boys in various places. ----- G3PLQ/our John, Comm'l Opr. and HAM 160 enthusiast, sailing the high seas, South/North Atlantic etc from England to S. Africa - Norfolk/NY, USA - Halifax/Ve and back, Faithfully and also methodically listens - not all'd transmit - 160 and Logs condx, Stns, QSOs, Markers etc. Many of you hv rec'd special logs directly fr him. W1BB was privileged by his visit hr Jan 1,2,3, and to examine John's complete LOGS and summaries - a Radioman's Masterpiece - a real pity they cannot be printed in some magazine, these include complete IQSY 160 Logs. John says "65/66 Best Ever for 160" He operated W1BB/1-made many QSOs w/G pals - a VFB Chap and if you want special reports your sig write him % Home QTH - his is a real contribution to 160!! John also responsible for interesting 9L1HK to get on 160 giving many a new Continent and Country-fr!!! ----- Thirdly, the first two "FIRST TIMERS" nights, an operating innovation designed to help those who have never worked DX across the Atlantic, are apparently going over real well - enjoyed by ALL - especially the "FIRST TIMERS". The cooperation has been marvelous! Practically no violation of the QRXing by those who have already worked DX - total 6 cases Eu/NA & 5 of these unintentional - a grand spirit displayed of fellowship and cooperation. I always did say "These 160 boys are the BEST"!!! ----- Additional some resounding FIRSTS (Elsewhere) have been made-all we lack is more stations in RARE Countries! ----- The CQ/WW/DX TEST was a fine operating show - 160 scores will be WAY ahead of last year. All is anticipation now for the BIG BINGE, the CQ/160/WW/CN/Contest January 28/29/30 ----- Reports Logs, Data flows into W1BB in an unending stream giving interest, activity and results - all this is available for W1BB's primary log. W1BB reports however Bulletin Space doesn't permit

- A RESOUNDING FIRST!!! ---- On DEC 6 '64 at 2144z Armin/DL1FF wkd JA6AK for FIRST Eu/Ja 160 QSO!!! Congratulations Both!! Also another DL1FF/HK4EB NOV 5th FIRST - and 9M4LP Dec 28 another!! 55c Nw
- W1ER STATION ZELAZD ---- Hrd by Jack/Wa4LDM NOV 20 0359z 239-VFB!! Also by DL9KRA June 1965 -FB!!
- W1BRALIA FIRSTS ---- ZB2AE/W1BB/1 1, FEB/65 0609z - ZB2AM w/4URITU, OK??, PA@PN - Fine work MKKS!!
- CONGRATULATIONS PETER AND BOB!! ---- G2PL/479 QSO'd @M4LP/369 NOV 13'65 2255z/1822Kc - Exceptional
- JAPAN/160 de JA1CR/Takeo ---- As of JAN'66 1880k spot fr revoked - 1910 will be substituted and 2nd class lic all'd - goes into effect spring '66, maybe MAR - skt no JAs on 160 Nw. Takeo writes a VFB wonderful monthly 160 column in Japanese RADIOGRAFT Magazine
- ANOTHER FIRST!! ---- G3SED/Mike QSO'd HK4EB 5, DEC/65 - G3RFB Made it same nite bit later.
- CONDITIONS THIS 65/66 SEASON --- G3SED/Mike "Heartily agree-we all feel a really good season ahead" G3PQA "Indications are th season may be the very best" -- Gw4L/QUEST "SIGs averaging much btr than few yrs ago" -- DL1FF/Armin "Condx vy fb this yr-never had such good DX before I was-last yr condx only began Jan to MAR - hope we get those condx rite along" -- VO1FB/JOE "Condx BETTER this yr" -- 9M4LP/BOB in DEC hrd DL1FF, G3SED, LIQ, RBP, PPE, TLY, NS1A, DL9KRA, DHJ59 sez "Condx this yr BEST EVER-Better'n 63/64 & 100% Btr thn last year" -- W9PNE/Brian "MAN! you are right, this WILL be our best yr - condx VFB!!" -- VO1FB/Joe, Again! "Condx variable to excellent" -- W4LCAG/Warren "Fabulous Condx HED mornings DEC/28/0735/G3PQA/579 AMAZING for 10w - JAN5 GRAX & OK2BJJ/369 - watch midweek DX!!" G2PLQ/ep/John "WHAT a season this is gg to be!! W1BB - "I agree!!!"
- THAT MYSTERIOUS NS1A!!! --- Apparently the first "Legal Pirate" station just outside British waters. Fr what info we hv bc able piece together, it is operated by some G HAM using "Nom de Plume" of JIM, giving JYN as NORTH SEA. The exact location is rumored to be 5 1/2 to 12 1/2 miles off the Essex Coast on the Thames Estuary on one of England's "Pirate-PO" stations. This HAM seeing a nice DX location going to waste made good use of it on 160-80-40 adopting the call NS1A (NS-"North Sea" Transmitter abt 20w, Rx unknown, Ant Marconi 120' above salt water - the whole station situated on a disguised gun tower erected during WW-II with a huge bank of anti-aircraft guns - Whether FCC will grant DECC status, remains to be seen. At any rate he has one H of a FB signal all over has recorded/tape by 9M4LP 579. QSL via G3SCP. Understand England's GPO quite happy and will not do anything to hinder operation, also anyone working him not breaking regulations. !!!!!!!!!!!!!!!
- VPLFY/George --- Expected on for CQ/WW/160/DX/Test - 1830 Kes. (de W4LCAG & VE3EWY-Tax!)
- de 9M4LP/BOB/SINGAPORE --- He always manages FB 160 DXperts, wkd G2PL NOV 14-G3FPQ NOV 18 also DL1FF DEC28 - has made VFB recording of Eu Signals, sez "WELL!! with such a disappointing season on 160 last winter I was seriously thinkng of taking down my ant, as it interfered with my all band ant esp 80 Wtrs. HOWEVER, that opening in the middle of the summer to Eu gave me hope again that maybe we might have one more season left in the old band yet. Sure enough! NOV came thru with a BANG as far as propogation to Eu is concerned. Remember, last yr I advanced the theory that there is a time lag between the bottom of the sunspot cycle and the bottom of the Communications cycle. Here is another theory: since 160 is a band that does depend on ionospheric reflection, just as the other bands from 80 thru 10 do, for long distance QSOs, perhaps a certain amount of solar activity is necessary even to sustain good communications on 160 and when the sunspot number falls below that minimum as it did at the bottom of this cycle, propogation is no t as good on 160 as perhaps the year before, or the year following the minimum????? At any rate Europe has been roaring through this month better than at ANY TIME last season!!" -- Comments Gang?? Tax Bob.
- JOYSTICK ANTENNAS/W2EQS --- Chas, sole agt. this unusual, Portable/Compact/Efficient, all-band, inc 160 Ant (abt \$25.00) has wkd G3-VP2, 9-6Y5, W1, 2, 3, 4, 6, 9, w/1 1/2 22' off gnd. W1BB tested this Ant thoroly Suar'64 agrees it is AMAZING what it wl do fr it's size - averages onli abt 2 S units down on best possible 1/2 Ww outside high up ant. Ideal fr restricted spaces, apartments, portable, travel, etc. Write Chas for info MULRY SALES P.O. Box 13, Westwood N.J.
- UNUSUAL WEEK JAN 3-JAN9 --- NEVER have swering DX Signals rolled in so well. G3RAU w/new ant/rx, G3RFB, RFS and others. Sn 6th, RAU steadily in for 5 hours w/land, averaging 449/559 wkg w/VE inc W4LCAG who sez "Just like local rag chew" -- W8ANO/Waldo sez "N.D. at all Jan 2 BUT Jan 5 & 6 cudnt miss - wks EI9J, G3LIQ, RFS, RPB, RAU, RBP, NS1A all w/ vfb sigs" -- W1BB "Was listening - agree, VFB!!"
- TAPE LIBRARY at W1BB!! --- Latest addition, de 9M4LP, recording of signals hrd in Singapore, Inc. DL1FF, G3SED, RFS, RPB, LIQ, PRJ, MYI, RBP, BRQ-NS1A, DL9KRA-9M6BM - No Ws-DEC 1965 - An unusual and most interesting tape, narrated by Bob himself. -- Another addition de W9VIO/Herb JAN 9th Gsig in Minnesota!!! G3RFB, LIQ, PU and others vfb. Also have G3OQT's 3/62 recording DXpedition CQ TEST.
- * Also 9LJHX & OK1NQ on tape. These TAPES loaned to anyone paying postage charges & Returning.

THE CQ WW DX TEST NOV 28 *** Started off with "Fair to Middlin" condx, ended up VFB, altho QRN high
Much Dx wkd. Two special ones showed - YV9AA and KM6DJ, wkd by W/AH, hrd by W/HGT. EP2IW wkd by Eu,
Hrd by BB, not wkd. MUCH activity. W/HGT: "Vy interesting weekend" VE2UQ: "Best Eu WW Test opening
wkd 15-who sez we on way dwn slope of cycle?-never hrd DRJ so well" W/BB/1: "Wkd 43 Dx Stns - score
27, better'n twice as good as last yr (1115) w/same Ant/Rx/Tx - Missed KM6DJ & EP2IW tho/Darn!!
Much FUN tho" - This CQ WW All-Band TEST not reported or LOGGED by W/BB - left for CQ boys who run

FIRST TIMERS TESTS!!! *** Both, Dec 19 & Jan 9th went WONDERFULLY well!! and thank to regulars
who QRI'd many who had not crossed or worked DX before on 160 'made it'. VIOLATIONS were few, and
mostly unintentional, due to not being fully informed. MANY comments of approval and pleasure from
all hands indicate these may become a regular operating event on 160. The 'regulars' enjoyed JUST
listening for a change, and learned a lot. Two more FIRST TIMERS tests scheduled for this season are
FEB 6 for Eu/Af & MAR 6th for W/Ve 1st Timers. It is hoped ALL those who have already worked DX on
160 will QRI between 0500-0800z, and cooperate equally well, or better than first two tests. DETAILS
were in CQ/QST/SWM/RSGB and W/BB 160 DX BULL No.1 - spread the word- Dec 19-JAN 9 TESTS RPTS herein.

*** 160 METER ANNUAL TRANSATLANTIC DX TESTS ***

REGULAR DECEMBER 5th TEST *** Early Evening Dx good-at 0400 Wx Clr-moonlight-cool-calm-G3RFB booming
in WWV N6 Condx Excellent-much excitement/DL1FF, G3SED, otrs wkd HC4EB fr new one--many participants
2B2AM made his 1st crossing/W/BB/1 - 0700 on W/8,9 wkg Gs & G13FDN - KLLMO hrd by ZS5 0052 Swl!!!

DI ACTIVITY: DL1FF: W/BB/1, TX-2IU, GGL, EQS-K3EKO-SRNE, CRJ-W8HCW-K8HKE-VE2LI, UQ, 3DU-W8GDQ-VOLFB, HN
FIRST EVER DL/HK4EB!! & DL/JA6AK!!! & ZB2AM - VE3DDR G3SED: W/BB/1, WY-2IU, UBA-8GD, HGW-K8CRJ-GV1O,
VE2LI, 2QU, AGX - "Sure Pad QSO HK4EB a new one!!" G3PU: W/BB/1, WY-2UWD, KHT-4ZCM, GXU-W4FJM-S8CW-K8RNE
GVXO-VE2LI, AGX, DDR, QU-K8HDB-PHONIE P8BLP. W9PNE-6Y5XG *ZS/SWL-ZS5-052: KLLMO/339!!! *OLIAEF: W/BB/1,
VOLFB, 1st OL/VO EVER!! W/HGT, VOLHN-VE2LI, UQ, 3DDR-HK4EB - Congrats Farda!! *9M/LP: G3RFB/459-DHJ 59/57
*G31/QUEST: W/BB/1, HGT, WY, -KLLMO-W/HCH-2GGL, IU, CHQ-K8CRJ, HKE-8GDQ-W4FJM-HK4EB Tony requests W/Ve in
W/Ling to write BAND on card - all bands - pse. *Gawl/Vic Lindgren: 26 W/r Stns - 9 VE/VO & KV4CI,
H4LEB, 6Y5XG VFB Congrats - Vic's exceptional LOG on file at W/BB
Smith: W/BB/1, WY, HCH-2EQS-K8RNE, GVXO-VE3DU, AGX *OL3ABO: VOLFB *G3TXI: W/BB/1, WY, HCH, HGT-K2GAL-4560
VOLFB, HN-VE3DDR, QY, AGX-W8PSH-K8RNE-HK4EB-6Y5XG *C16&C1d-NO QSO!! But wkd VOLHN NOV 18 Sri John!!

PLQ/nm/John: W/BB/1, HCH-6WBY/4-8PSH-K8RNE, CRJ-W8GDQ-K9TWO-ZB2AM-DL1FF-DEJ-4ULITU-G3TLY, RSP, RPB
ICW - AT ABIDJAN/IVORY COAST *G3RFB: W8ANO *W/VE/VO ACTIVITY: *W/BB/1: G3SED, STA, UNT, FGT, RZI, UQ
RLF, RPB, PU, FPQ, OQT, KLH-NSIA-EI9J-KV4CY- GX3BH-OLIAEF, 3ABO, W8W-OKIALG- ZB2AM-DL1FF-G13FDN-PA4PN
A *W2IU: G3RFB *W8ANO: G3RFB-CO2QR-NSIA-DL1FF "Would sure like ASIA!" *K3EKO: DL1FF-CO2QR-VI9EU-EI9J
WA6ATY *WA4LDM: W/10 wts has wkd 21 states/3Countries - Jack is 16 yrs old!! fb *VE2ATU: G3RFB, RFS
ICW, RPB-DL1FF-DHJ-G3SED use HQ170/Ranger *W/VXO: G3SED, PU, RZI-G13FDN "Best Night ever-Herb"
*W/LY: G3RFB, ICW, SED-VOLHN-HK4EB *RBP, RFS, RSP, ICW-DL1FF-CX3BH "Sleepy/QRT early" G3SED

Preceding by VE2UQ -- *W/LTX: G3RFB, RPB, PU, DL1FF, NSIA "Good old 1.8 Me!" *W9PNE: 6Y5XG-HK4EB-IE1OK-
G13FDN-NSIA-G3SED, RPB, PU, OQT, FPQ, RFS, RLR "Hrd & Cld sths 4 hrs B4 QSO PU" *W4PSF: 6Y5XG *W8HCW:
DL1FF-6Y5XG-HK4EB-XE1OK-G13FDN-G3SED, RPB, RFS, FSQ, PU "QRM AWFUL!!" *W4FJM: G3RFB, PU, OQT, FPQ-DL1FF
" My 1st 160 TEST-1st time across- VFB on Coming 1st timers Test" *W/HGT: G3RFB, RFS, ICW-GW3PMR-OLIA
OLIAEF, CX3BH-HK4EB-4ULITU-NSIA-G13FDN-DL1FF-G3RLF, PU *ZB2AL w/ B active CQ WW 160 TEST - an QSL mgr
ZB2AM/Mike-RIG BLEW UP DURING TEST" Sri! G3TLY *WA6ATY: 6Y5XG "Fm shores Lake Mono-7000' Alt-20V-
hrd lots W/VE - one Dx 1998 - No one listens 1998"- Fb rpt Bob-sir-Gang - COVER 2.0 MC!!! *VOLFB:
DL1FF-HK4EB-G3UCD, RZI, RPB, RBP, SED, LIQ, STA, PU, RFS, RLF-OLIAEF-OKIALG-HB9TT-OL3ABO - Nice work!! Joe.

OTHER PARTICIPANTS: G3KLI, 68Q-GW3LDH, PMR-ORFLW/1 --W/LJJS, NTX, BHQ, DBY, TCR-5DMR-M-K8TYS-VE2ATU, 3AKV

FIRST TIMERS DECEMBER 19th TEST *** This First Eu/Af "First Timers" Test was apparently a good FB
success in spite of heavy QRN, principally because of the almost 100% Cooperation by all stations
a WONDERFUL example of Cooperation. Only three Non/PT stns were heard, and this mgt have been due
to lack of information, or forgetting momentarily. Quite a few FIRST TIMERS were worked in spite
of conditions, and many more weaker signals heard 229 beneath the heavy QRN. Skip Condx were good.
The absence of the "BIG GUNS" on the Eu/Af side, and the standing out of the weaker PT signals was
very impressive. A pity/the QRN!! Otherwise, everything was perfect. It will be interesting to
watch further TESTS and see if the W/VE boys do as good a job of helping the FTs, as the Eu boys did
VOLFB: "Test successful-BIG GUNS SILENT!!" PA4DC, G3KMG/A, G3TZZ *DX REPORTS: *Gawl/Lindgren: W/BB/1
VO 3 "Dennis G3LIQ had rpts 579 de 9M/LP-no QSO yet" (DL1FF: W/BB/1, W8HCW, W2GGL "Hrd DJ6ST/LX, 160
allowed - w/ try go there myself 1967 CQ/160/CW/Test" VFB Armin who came on AFTER FT Tests. *G5RP:
W2GGL, 3EIS, W/BB/1 (GW3NNF: W/BB/1, 2GGL (G3SEE: W/BB/1, 2GGL *W/VE REPORTS: *W/BB/1: OLIAEF, PA4DC, G3TI
UQ, TAM, K8G/A, SEE-5RP-DL1FF-GW3NNF- 10qso/5Ctries (W2EQS: PA4DC, OLIAEF, G3UCD, TAM-5RP "Hrd lots weak
stns couldnt identify" (VE2UQ: G5RP (W3EIS: G5RP, GW3NNF-G3SEE (W2UWD: G3KMG/A (K9IRF/4: OLIAEF (K2GAL: G3SE

OTHER PARTICIPANTS: W/LJJS-KIPBU-W2IU, APD-4ZCM-GVXO-VE3AGX, QU-81QQ, HGW-KELJQ, WEJ

REGULAR JANUARY 2nd TRANSATLANTIC TEST *** Wx calm-warm-Heavy QRM-skip not too good - G3PLQ/m
 visting W1BB/1 at key, flew up fm NY for weekend - beat strike - Band peaked and he worked 5 stns
 then band went out quickly - a very poor TEST No.3 John/G3PLQ/m sez "Wonderful to work some of the
 160 boys back home fm here" DX ACTIVITY:: G3PU:W1BB/1,HGT-2IU-SHGN-VZKO-VOLFB "Vy nice to QSO
 G3PLQ/m at BE key - Thunderstorms here" VOLFB:G3RFS-HB9CM-G3PPO,PU "Condx not too good" G3RFS:
 W1BB/1,HGT-VOLFB G3LIC:W1BB/1,2FYT Gswl/Vic Lindgren:W1BB/1-WA1CAG-W3EIS-VOLFB "Much QRM/N-Condx
 poor-evening w/dx usually vy good 2200-2330z - after tt fade, then cum up agn nr 0430 etc".Txr Vic
 Gswl/QUEST:W1BB/1,HGT-VOLFB "UA9KJD hrd/Pirate?? wkg mani Gs - also UA2AL-Pirate?? CQ'd". Txr Tony
 W/VE/VO ACTIVITY:: W1BB/1:G3RFS,FPO,PU,SED,LIQ,FGT,TLX,CMJ,RAU,UNT,TYK,ADN-SAX-2CVT-VOLFB-HB9CM-DL1FF
 OLLIAEF W/PSP:"Zilch", No Dx - Tested Ants", Sri Larry! W3EIS:G3SED "Wl stay off for 1st timers"
 W2EQS:G02QR-VOLFB OTHER PARTICIPANTS:: W2DTR,IU,3FSP,SHGN-KSSWE-9YIG,AVIO-VE2LI,3AKV,BWY

FIRST TIMERS JANUARY 9th TEST *** For W/VEs -- Went wonderfully well , considering it started in a
 New England Blizzard with gales and high snow static, but very good skip conditions. Many FIRST TIME
 crossings were made - the "spirit" was excellent -only a few VIOLATORS of the QRMing by "Regulars",
 and these mostly unintentional. The Gs were very busy working W/VEs and those QRMing found it a
 change and interesting just listening!! G3RAU:W1BB/1 (Before TEST), VE3BWI-K8HKB-WB2MFX,W2RN-9YIG-
VXO G3RFB:VE3BWI,QU-K2CHQ-WB2MFX-VXO G3PPO:K2CHQ-VE3BWI G3PU:W9YIG,WA8BWI-WB2MFX "Feel too
 many 'regulars' QRM'd and prevented more 1st timers getting across " Gswl/Iball:VOLHN-VE3AGX,QU-
VXO "QRM!! Boy what a racket!" Gswl/Vic Lindgren: W1BB/1 (Before Test) K2DGT-W2RN-WB2MFX-K8HKB-
K8CJM-WA8BWI-9YIG-VOLHN-VE3BWI,QU,DU-VXO OLLIAEF:VOLFB W/VE/VO ACTIVITY:: W/VXO:G3RFB,RAU,SED,
 FPO,PU,LIQ,ICW W/PSP:"Just getting ready for test when car struck neighbors CAIF on road hr - this
 put him and car beyond repair - spent rest of night w/knife cleaning up!!! - CHEERS!! Bn hrd by
 G3PLQ/m Hr Cape Verde Islands!! VE3BWI:G3RAU,RFB,DL1FF-G3PPO,LIQ WIDMD:"Wld FIRST DX LAST
disqualifying me for this FT Test!!" W/G3RFS. OTHER PARTICIPANTS:: G3TXK,TLH,SSF-OK3NY-PA/DC-HB9CM
 DL1FF-OKIAII ----W1WIX-K1LZV-WA1CAG "Great Show!"-W3FSP,8EPQ-WVX-VE7AKI-VE3AGX-K2CHQ:G3RFB.
 W2EQS/Ghas:"Hrd few "rehulars" on but mostly W/VEs adhered to QST/CQ/SWM/RSGB request to QRM and
 those who never wkd DX a chance to do so without QRM"

*** SPECIAL ITEMS ***

"Snoopin" de W1BB/1:: *** "Snoopin" on 160, from "Millbank Manor", Inn, Near TELESTAR Installation
 Raymond Maine - supposed to be the quietest spot, radiowise, on the whole East Coast/USA. Had
 checked this spot once before on 160 w/Amazing results/wanted to "Doublecheck". SOOOooo the xyl and
 I took an SX100 Rx, 133' Piece wire and made a weekend Autumn Foliage trip thru NH and Maine. AGAIN
 the antenna, average height 15'- was simply strung out of the INN window to a nearby spruce tree.
 Sunday Morning October 17th 0300-0530z, many W/VE stns were on searching for Dx. W1BU,UE,UV,NTX,HGT,
 K1LMO-2EQS,FYT,APU,IU-K2CAL-W3RGG,BUR-W7UFB-SANO,K81QQ,CRJ-9DNA-VE2ATU,eDU,ABG etc. Listened to
 W2FYT/Tony,3RGG/Sholy,SANO/Walde discussing ARRL & incentive licensing - to W2EQS talking about his
 agency for JOYSTICK ants etc -- The AMAZING thing again was this. I was able to hear G3SED,TLX,SCP
 and DL1FF 53/49 calling and calling and calling CQ DX and getting no replies!!! No W/VEs answered,
 indicating that they were NOT hearing DX - except once, W1HGT called G3TLY and G3SCP but no QSO.
 Conversely the W/VEs called CQ DX and got no replies from the DX. Then W7UFB 1808 was heard calling
 CQ a few times and no Eastern W/VEs answered him either. This IS an extremely quiet QTH with
 practically no noise level and it is AMAZING and THRILLING to hear the weak DX signals so clearly
 and Q5 - apparently I was the ONLY W/VE hearing this DX - this with a random low-down mediocre
 antenna!! WHAT A QTH!!! And this emphasizes just how important a low background noise is!!!!

EUROPEAN/Gs SHOULD CHECK W/VE BANDS MORE OFTEN FOR DX!! *** Eu/Gs are often hrd in W/VE Rag Chewing
 locally w/FB Sigs hr - but calls and calls will not raise them. As an example G3SED/RLF/SCP were
 having FB Rag/Chew NOV 7 until 0830z - their signals 339-589 averaging 569. DHJ at 0830 was 559. I
 (BB) took a walk fm the "Tower" shack to seaside, 70' and could hr G3SED on spks vy well talking abt
 Ants etc ALSO SAYING "Condx Fair But Lack Of Activity" to one of the boys. This is TRUE. What a pity
 not more stns on to enjoy such gud condx and Dx - same is true many evenings on 2100-2400z. Nuf Sed!

WHAT DO WE MEAN BY THE 1965/1966 "SEASON"??? *** When the 160 Meter DX "Season" is spoken of we refer
 to the FISCAL year starting September 1 and Ending August 31 Next Year. September 1 1965-August 31
 1966. This is done so as to be able to compare one year with another as to 160 performance/keep
 records etc. If we used the CALENDAR year it would split the 160 Peak Condx which occurs during
 the winter months, right in the middle and wouldnt work out right at all.

AULITU!! *** Thanks to the patience, perseverance and spirit of Philo/HB9CM and Gerry/G3COH, this
 "New Country" Stn is back on the air. Philo taking a trip to Geneva fixed up hhe rig, an HX50z, w/
 HQL7CA Rx & Inverted L Dipole on roof of ITU Bldg, and opened the season with a BANG NOV 14th QSOin
 W1BB,RGT,BU,VOLFB for FIRST EVERS across the pond. They intend to work EUs Sat AM and W/VEs Sunday
 AMs as much as possible - Txr Philo and Gerry!!

MURRAY!!! AMERICAN MILITARY PERSONNEL IN JAPAN *** Per RGN/KA2RJ, sez nw authorized spot fy of 1961
1910 Kc and 200 Watts on 160. (Dont know hw this ties in with JAPAN on 160 de JALOR, page 2 !!-BB)

HR3HH/HAL MOVES!! *** Famous DXer Hal Heller, moves Feb ' 66 Fr CEIBAR to SAN PEDRO after 12 yrs of
Hamming as HR3HH. Will soon be, probably, HR2HH, (Not a new Country). Will be off the air several
months undoubtedly while getting settled. Best of luck HAL w/New FB Job and QTH - b.c.n.u. 160-Gang

4 TU OPERATING TIMES *** Latest info de Gerry G3OOH - will normally be abt 0000 to 0200z except
for 160 Tests and Contests when will TRY to operate all night. Since operators G3OOH, HB9CM and
HB9UD all are family men and live at considerable distances fm 4ULITU it is not possible to be on
every weekend. They will listen for W/VE 1800-1810. Their Fy 1820-1830 VFO. Tnx Gerry!!

*** WIBB SUMMARY LOG ***

WEEKEND NOV 7th *** At 0001z DHJ 569 vy gud band indication - 0600z DL1FF roaring in at 589 then
followed by Gs - band open til 0745 when G3SED/TTK were copied 559 in local QSO - Participation not
as great as expected on both sides. Congrats to G3RXO/a and G3TTK on FIRST crossings. G3SED/RLF/SCP
in 3 way QSO up to 0840z 339/569 VFB!! DX ACTIVITY: DL1FF:W1BB/1-VE2UQ G3SED:W1BB/1,HGT -
G3RLF:W1BB/1,HGT - ONsw1 Al Royaux:W1BB/1 6Y5XG:W1BB/1,HGT,BU-2UWD-3HHT-HUG-GGL-FRA,-K2GAL-WA4DUS-
W4PVT-K9WMO-DL1FF. G3SED-DL1FF "Condx Excellent/QRN High" G3TXI:W1HGT,W1BU OELKU:W1BB/1569 -
G3PLQ/mm:W2GGL plus 6 weak unreasable Ws, DHJ-OKIAEC-NS1A-G3LIQ. Near MONROVIA - LIBERIA - Tnx John
W/VE/VO ACTIVITY: W1BB/1:DL1FF-G3SCP,RLF,RXO/a,SED,PU,SMI,TLY,FGT,FPQ,MYI,UNI,LIQ-6Y5XG-NS1A
W1BU:DL1FF VE3DU:6Y5XG "Pete never string up here" W1HGT:G3SED,SCP,RLF,RPB-DL1FF-EI9J-OL6AAH and
Saturday AM VK5KO!!! "VK5KO 449-QSO 20 Mins Long- My 34.59" Congrats Ralph!! VE2UQ:DL1FF W8GDQ-
6Y5XG OTHER PARTICIPANTS:OL2ALG ---W1BHQ-WA1CAG-2MCU,IU-K3GUR-WA4DUS-4BGO-8GDQ-K8HKB-VE3ARG-UQ-

WEEKEND NOV 14th *** A foggy, damp, drizzly weekend-WWV N6 - but skip condx good with low noise
made the going excellent. W1BB/1 wkd 28 Stns of which 12 were Gs and one new Country 4ULITU. W1HGT
did excellently wkg 12 stns. DX ACTIVITY: 4ULITU:W1BB/1,BU,HGT-2KQT-VOLFB DL1FF:W1BB/1-VE2UQ.
G3SED:W1BB/1,HGT,BU-2GGL-K2GAL "New Tx Ant Paying off - hearilyly agree w/U abt Condx - guess we
all got feeling a really good season ahead this yr - am ALL FOR 1st Timers nights" VE2UQ --(HB9YL-
W1BB/1 "ANNY was awakened by the O.M. Fred at 0630 to QSO BB @0645 - her FIRST 160 overseas Dx"-mm
CONGRATS ANNY-VFB Proud of you - she nw has new Tx and hopes to operate more often. OH3NY/Mattie
W1BB/1 0430-0627 "On every weekend@400z Best time" Gswl/Smith:W1BB/1-VOLHN G2PL:4ULITU-9WALF,13th
Exceptionally FB Job Peter!! Gswl/QWEST:W1BB/1,HGT,BHQ-2HV,HUG-VE2UQ "Condx btr this yr - use 66"
G3TXI:W1BB/1,BU,HGT-K2GL-VE2UQ "11/15 wkd VOLFB-my FIRST across - THRILL!!" 6Y5XG:W2EQS-K2G
WA4LDM "Condx fair" VOLFB: G3OFA,SCP,TLX,SMI,UNI-5RP-4ULITU Gswl/Vic Lindgren: W1BB/1,HGT,BU,HCH-
2GGL-K2GNC-VE2UQ "G3LIQ lives 4 miles fm me - has vfb dipole up 100" G3PLQ/mm: W1BB/1-VE2UQ-DL1FF
DHJ-4ULITU-G3SED-OK2KGV (A+ LOME-TOGO) W/VE/VO ACTIVITY: W1BB/1:G3IGW,SVC,SCP,ERN,RPB,SED,POA,P
PDU,FPQ,PU,SMI,RFS,UPN,PVG,RLF,TLY,TTN,SGC,PPE,RBP-EI9J-OK2KGV-OLIAEF-4ULITU-DL1FF-G6BQ-HB9YL-GONE,
PO-GW3PMR,UCB,DCW. VE2UQ:G3SED-DL1FF-G6BQ and a mysterious YU8GN ??? Who????? W1HGT: G3SVC,RPB,
OFA,SCP,OUV,SMI,SED-SAX,PO-6BQ-OK2KGV-EI9J-DL1FF-PA/FPN-4ULITU VE3DU: G3RPB,TLY "Only able hr TWO"
W8GDQ: DL1FF-W7ZCA K3EKO: G3TLY,POA,SCP,4ULITU WA1CAG: G3PCA -- All-in-All a very nice TEST.

WEEKEND NOV 21st *** Wx foggy/rainy/static but DX Good-Many Gs made it,including NS1A and NS1B in
the NORTH SEA. DX ACTIVITY: DL1FF:W1BB/1-2UWD-K3EKO &otrs 4ULITU:W1BB/1 6Y5XG:W2EQS Gswl/Iball
W1BB/1,HGT-2GGL-VOLFB OELKU:W1BB/1-569 "Won fb WWDC Diploma 1964 Contest - 1st OE on 160 CW-G3RPB,
& NQF visited me SEP 11 - WA6AJB Visited Nov 13 - FB Visits - hwe wkd 16 Cntries on 160" -VFB Willy
Gswl/Vic Lindgren:W1BB/1,WY-K1FPV G3RPB:W1BB/1,HGT-VE2UQ-VOLFB "Very interested in WORLDWIDE HAM
CONVENTION" - write Keith your ideas - has vfb new ant w/75' mast!! G3PU:W1BB/1,HGT-2UWD,GGL-K2CHQ
W3EIS-8HGW-VE2LI "Hv not hrd HK4EB" G3PLQ/mm: W1BB/1-8TOO-VE2UQ-G3SCP,RPB,SED-DHJ-DL1FF-NS1A fm
70 Miles East of LAGOS NIGERIA "Re snow static - was in air conditioned shack - 84F Outside" Nice!
W/VE/VO ACTIVITY: W1BB/1:G3LIQ,SED,MLJ,RPB,SCP,RBP,SMI,LIQ,TLY,PU,RXQ,SGC,BTA,RFS,FPQ,PPE,USE,
SFR,T23,SYS-8RQ-6BQ-VOLHN-DL1FF-NS1A,B-G/IB-6Y5XG-GW3SSK,FSP-G2PU WA4LDM:6Y5XG!!! -VOLHN,DL1FF
ZEAZD!!! W1PPN:G3SED K3EKO:DL1FF-6Y5XG W2EQS:6Y5XG VE2UQ: DL1FF-G3SCP "No QSOs"
OTHER PARTICIPANTS: G3NNW,DCV,FWU,IGN,GRL-2PU-VOLHN-OELKU-GM3FXM,KHH-GW3NJW -- W1PPN,K3EKO,VE3DU

WEEKEND DEC 12th *** Rain/Snow 30f static quite heavy - however skip pretty good - many QSOs altho
no unusual DX - six DX Countries heard from. DX ACTIVITY: EI9J:W1BU-VE2UQ (NS1A:W1BB/1,WY-3BUR-
VE2UQ DL9KRA:W1BB/1,WY,BU-SSB!!-WB2BLT-VE2UQ DL1FF:W1BB/1,JJS,WY,HGT-2GGL-K2CHQ-K3EKO-W8HGW-VE2LI
9L1HX:VE2UQ OL3ABO:W1BB/1 " My FIRST W-13th Country - other licensed OIs:LAAB,ABZ,ABK,AEE,AEO,ACG
A,SAH,6ADL,ACY,AAF,AAB,7ACS -" TNX LADISLAV!! Gswl BRS 26325:W1BB/1,369"Only W sig hrd" He
also hrd DL1FF,NS1A and ZW7AA/PHONIE???????? Gswl/Iball:W1BB/1-W8HGW G3PLQ/mm:W1BB/1-2FIT-3EIS-DL1
FF at MONROVIA/LIBERIA "Poor Condx" W/VE/VO ACTIVITY: W1BB/1:G3RPB,FPQ,RLF,UCD,LIQ-DL9KRA-DL1FF
OLIAEF-OL3ABO-PA/OC-NS1A 7 Dx qso/5Countries W1BU:EI9J,DL9KRA W3BUR:NS1A WB2BLT:DL9KRA W1AGFB
DL1FF W3EIS:DL1FF,9KRA-G3PU,LIQ,RPB-6Y5XG-KV4CI W1JJS:DL1FF VE2UQ:9L1HX-6Y5XG-EI9J-NS1A-DL9KRA-
G3RPB-GXA,RFS. "Eu condx much btr early 2230z than 0400 etc -condx E far btr'n last yr W1WY:NS1A
DL9KRA:DL1FF --- Jan/DL9KRA "Drake Line New Rig --"Sure am happy to be back on 160!!"

WEEKEND DEC 26th *** Wx rainy/mild/calm/50F-skip poor-No DHJ-Loran strong - windlater/Gale- 6.
Almost a complete "Washout" - only few stns on because of poor condx PARTICIPANTS:G3RFS,IGW-ZB2AM-
KV4CI-DL1FF --- W1BB/1,HGT,ATK-2EQS,GGL,RAA,GNC-3KJJ,EIS,MEY,9PNE-8LJK-9PNE-JOSC,RHI-VE2UQ,ATU.
Only QSO Noted W1BB/1 with G3RFS. W/PSR "Active but cant hr Dx - Frustrating-Hear 1,2,3,4,5,8,9 wkg
em but ND hr-Using V ant w/1000' Legs - Test Dec 26 a "Bust" - also lost 500' My ant/Wandering CW

*** MISCELLANEOUS TOP BAND NEWS ITEMS ***

FAITHFUL 160 DXer OH3NY/MATTI:: On regularly this season, altho no DX to date/Watch for Matti!!!
VK5KO/JOHN:: Tuned up on 1802k w/new xtal fm States and BONGOO!! was hrd 339 2013z Sep 20 by G3FPQZ
GOOD NEWS!! de HIBXIAL/FRED:: Will be on 160 shortly-has 20 acre plot-shores Carribbean-wl hv two
towers 130' for 40 mtr rotary & 160 Inv Vee-also L.W. length property-RANGER & Possibly HP final
some day. Nov 6 QSO'd W1HGT & #2KQT sez "Inclined to believe lowest angle radiation on 160 not the
best - think 30 to 45 Degrees above horison probably optimum." Tnx FRED boom. "I spent many "Man-Hrs
on CQ/160 TEST last yr and onli wkd 9M/LP!! Sri Fred. OL3ABO/LADISLAV:: Hrd VOLFB,559-W1BB/1-349.
Wl be on hand every Sunday this season. K4FMM/DON:: Hopes put ET2 on 160 this Season --"Regarding
EAST/WEST propogation, same evident hr Fla - sigs fm West vy good levels while I call my head off -
fm Eu get abt same rpts, but to WEST a real chore getting thru" -"Co7RM last season is legit" TnxDon
W8GDQ/WILLIE:: Improved Gnd System & nw has Drake R-4/R4Tx. Rec'd USA-CA/500 Cert. Needs 80 more
COUNTRIES phone to get all 160 phone indorsement - that's sum 160 wk!! Been vy QRL building new Church
Opened Season OCT 31 wky 6Y5XG - FB!! Congrats!! VE3ABG/JOK:: Putting up FB Portale QTH ANT-40 Mtr
fm home QTH - 140' High el 1375' w/Open wire line feed/ATU-sounds intriguing -wl b hearin fm u-tt
Quite QTH shud help. VIETNAM ON 160 DX MAP???? de W8KPY/W8ED/LD:: writes "Listening 160, lots loran
no sigs yet - wkd 9M/MT/Singapore Harry who sez he also planning 160 shortly! Ed has onli 13' whip
& tunes 160 w/loading coil - close to hi pwr 100k TXs/puts harmonics all over QPR20 "I TAPESpond w/
VE3ABG,SPSX,MTI,K8LVQ so can listen 160 remote control"- Cute!! VE2UQ/GORDY:: re last summer
"Usually hv sum QRN free nites but NOT this season!! Completed most WESTERN states except Nebraska,
Ariz & MONT - still need KH6 & KI7 & RI in East - W6SBO is on with new ant 300' hi&2300" long PHEW!!
He wl be opr XE2BC on AM Phone" Tnx GM3TMK/IAN:: Experimenting w/loaded ant"Am vy interested in
1st TIMERS mornings & wl B on - hope the QRO stay off & give us boys a chance O WCC Cums in good!!!
PYawl/RASP:: Nw in USA agn fr more Computer training - has Drake R4/TX4 w/160 - this sounds well fm
fut DXing-VFB!! KV4CI/PAT SAINT THOMAS PROVIDES NEW COUNTRY:: Pat's faithfulness and persistence
eve. 1st yr is paying off-nw on 160 25w rig N side Isl.w/266" ant - sure is a "Popular Guy". His
personal affairs make 0000-0100z his only time for QSOs & wl B on often as poss. Sez LORAN bad-stne
elg MUST stay below 1825k near 1800 best. Hisfy 1997. Wl CQ and indicate listening fy 1.8 or 1.9
Will not QSL direct/use W2CTN w/IRC. Congrats Pat on becoming proud Papa DX/Luck and Tnx. FIRST time
on Pat wks W1BB/1,VE2UQ,K2GAL,WA4DUS,W8ANO,WALCAG-HrdW/VXO,58/99"Lowest Signal on band. OCT 31 wkd
EI9J got 569!! A NEW FIRST!!! G3SCP MAKES IT TO W1BB/1 w/TRANSISTOR RIG!!!: CONGRATULATIONS Greg
ur quiet QTH on park like TOP of 750' hill, w/ Inverted Vee,apex 90' sure wonderful!!!
TRIBUTE TO *SILENT KEY VE4RO GEORGE BEHRENDZ:: (de VE2UQ) VE4RO recently died of Cancer.For many
yrs was VEs most outstanding DXer. Came on 160 in poor health, at UQs request-gave many their first
VE4. His QSO w/G3GRL stands as the best DX Haul fm Eu /Westerly VEland-a real DXer, we 160 boys will
especially miss him - may he ~~SEEM~~ rest in peace!! VE8ZZ::(De VE2UQ)Gordy sez he shud be on 1802
ke sometime shortly. W8ANO/WALDO:: One of the "original" 160 DX boys is back on agn after being
off since 1960 - using new Drake T4I/R4 Comb - wkd KV4CI,several 6s-VFB Waldo-Happy DXing - he
suggests DX use 1828-30k/stay away fm W hand edge - 1876 usually clear - 1998 fr high end. LUCK!!!
G3SED/MIKE:: Going "Great-Guns" this yr w/new 78" Apex Inv V - has boosted his sig a lot - is the
Director of IOSS for UK/enjoys it - sure has FB sig w/land - CHEERS!! W1HGT/OCT::wkd G3RFB,TLI-
68Q-6Y5XG-Hrd DL1FF,ZB2AM,G3SLZ,OL6AAR 9M6BM/E. MALAYSIA/BILL:: Has 450' L.W. 85' Hl end fed Hps
get out with it!! Sez 9M6LR may also B active. Tnx. VISITATION de K7DEK/MAURY:: Ardent 7th Dist
160 fan, while BOSTON/BUSINESS-had eyeball w/ W1BB - checked over Home QTH, Tower QTR etc - heard
DL1FF 579/2350z,two Gs weakly plus DHJ- moving arnd too much 2B active this yr bt hopes!!
W/GDH/JOHN::Sporting 90' self erecting tower w/two Inv VEEs at Rt Angeles - nice - wkd DL1FF,G3PU,
G6BQ 1st yr - has 15 Cntries in 2 yrs & all States except KI7-LUCK!! KENYA/52A:: Fm Steve Gibbs
Ex ZC4AK,5A3CJ,GH3MBS, cums wd tt no new licenses hv bn issued fr more than 2 years. Situation vy
nebulous/wl keep us informed/ no present HAMS there interested 160 9L1HX/PETE:: Wl B on w/ Inv V
700' Long - 100' Hl - 200w Tx 1803/4 Kes - Here's that African QSO you need!! PETER DAY/G3PHO MOVE
to land FEB'66 wl get lic/B on 160 1st yr wkd VOLFB/usb, also OK,OH,DL,PA - sez b.c.n.n.
de ZL2 - Luck Pete!! SORRY!! ABOUT VE3AGX/FRANK:: who suffered back injury last season right after
160 TEST - flat on back 8 weeks O bn out of radio 8 Months recuperating "Back gets sore sitting B4
Rx/Tx but hope B on sum this 65/66. Hvg letter QSOs w/Gswl/Iball,PYawl/Rasp" Frank - gang vy wif -
heres to 100% Recovery PRONTO!! WELCOME WALDM/JACK - SOUTH CAROLINA:: A much sought after WAS
State. 5000000000 73/ALL - VERY VERY sorry for delay!! Stew/W1BB

Stew

March 14, 1966

PYswl/Ralf:

THANKYOU for your several very fine letters - and very very FB on your visit with W0VXO and your 160 work and plans there - GREAT!!

ENJOYED working you too during the Contest and was very pleased couple days ago to receive QSL with your smiling face in it - a very dandy QSL card indeed!!! Nice work.

From W8DGP

HAVE not heard from Herb since his return - resting no doubt.

REGARDIN G publicity in this BULL about PYLNFC, I am running gingerly - since you dont want anything in the regular radio magazines. They get a copy of this BULL and are at liberty to publish anything they wish from it - so therefore one couldnt be sure - and so I put nothing in that might "Incriminate" anyone!!! My retirement was supposed to be a secret in technical circles and among my Companys Customers - well a copy of this BULL goes to the Radio Editor of the Boston Globe - at his request - and darned if he didnt spread my retirement plans all over the Boston area and the secret was out of the bag - So I wouldnt take a chance with PYLNFC under the circumstances - you will note herein that I did put in as you requested about QSLs not going via bureau etc.

REFERENCE Schedules - I'll always look for you Rolf, but am upt to my neck in getting retired, breaking in new Men - visitors - Church work etc - so for the time being - THANKS but we better postpone - OK??

MARCH 15 1966

Havent rec'd the \$\$\$ fm Peter yet

W1BB - 160 METER DX - BULLETIN

73/Stew

1966/1966 No.3

de W1BB/Stew --- WELL!!! Another 160 Meter DX season is well on it's way to becoming HISTORY - And a thrilling and exciting one it has been!! CONDITIONS generally have been the "Best Ever" - (Some t feel this way - based on certain contest weekends) - with supprises, like NS1A, ZD7RH/ZD71P, K1CZH/KM6, KL7JDO, one most unusual PERFECT DX night, - interesting TESTS, like TRANSATLANTICS, FIRST TIMERS, CW/WW/160 (Still was FB affair) - W0VXO S& Expedition - G3PLQ/m reports/visit -. Right now, about EQUINOX time the VKs and ZLs should be 'Rolling' !! This is not to say there hvnt been disappointments - there have - but isnt "life" that way??? We have to judge by the overall picture - and overall it has been a GOOD season - hasnt it !!! FIRST TIMERS Tests have gone pretty good too, enabling quite a few to make their First DX on 160. There have been a few "Violations" of QRX by 'Regulars' - however not too many, and the cooperation in General on the part of AMATEURS to help the weaker, poorer QTH, QRP, 'New Comers', etc has been a tribute to our HOBBY. 160 IS the friendly Band. The BIG QUESTION now - and W1BB would appreciate as many helpful suggestions as possible - is - whether they should be continued next season - COMMENTS PLEASE !!! ----- AGAIN Ome, W1BB's Vy sincere APOLOGIES for the lateness of this BULL - getting ready to retire in June after 40 years with my Co., Training successor etc other details - completing a three Million \$\$\$ building project of which I am Pres., quite a number of visitors, HAMS/Friends/Family - Church wh DXing on 160 - all conspired to push this BULL back - however, 'Better late than never' !!! Sorry!! May and may not have one more this Season, but definitely, one in the fall to set up the TESTS as usual, and give the latest 'Chatter' ----- NOW - please HEAR THIS!!! Kyl/Alice/DQF and myself going on a RETIREMENT trip this FALL from OCT '66 through JAN '67. Will visit our children in Kansas, California, then take cruise to HongKong-Nagasaki-Kobe-PHILIPPINES -Keelung-JAPAN 2 wks, and HAWAII 2 wks, then visit children again and home. This makes W1BB/1 silent on 160 for some time and BB sure is going to miss it - however, expect to be back on for rest of 66/67 season starting with CQ/WW/160/Test - and being retired, then, should have more time to properly attend to BULL etc, and make up for lost time on 160!! - NOW, a bit of a problem - the 160 mail here averages 4 to 6 letters/cards a day during 160 Season - has been high as 16 one day - SOOOOOOOO will ALL please remember that BB will nat be here - and do NOT SEND MAIL to arrive after SEPTEMBER 10th case!! It would just lay idle here. There will be a family living in the apartment, but who know nothing about HAM RADIO - and since we will be mostly on a ship no mail can be forwarded to us - SO!! just do NOT send any mail to arrive at W1BB between SEP'66 and JAN'67 OK????!!!! Already have date set with KH6IJ- expect others, JAs etc along the way. We've 'Done' Europe, The USA, and now our "Once in a Lifetime" trip to the 'Orient' - will be thinking of you, Maybe listening for you, and possibly on 160 - from somewhere or other. HAPPY DXing ALWAYS on 160 !!! 73/Stew/W1BB

will get my special schedules or operating periods for you

*2D71P - QSL VIA 6210
W1F2J/K19 - dont know - would
QTH W0VXO*

*K6HX777 Roy Durham - 5900 High Ridge
CALIFORNIA*

BEACON STATION ZEAZD 1801 KC OFF THE AIR *** Struck by lightning December '65 and put out of order, it's license is NOT being renewed - report on it's one years operating experience is being prepared by ZE3JJ - More Later - however, their 10 watts has been heard in USA and S.A. & others.

AFWA KL7JDO/Tony BACK ON AIR *** Returning fm Oakland to locate at KODIAK, 1000 miles further N Hrd wkd W6HRG-7FP. Hrd W1GDS, K2GNC-SANO, HCN-KSCRJ--VXO, EHO-WA6ATY-6JEK-7ZCA, LNG, K7ICW-VE7AKI, AFW-VE2LI. Uses 50w/6146 w/75" apex Inv V 1/2 wv. W1 try 1000' LW - on 1804 Kc 0130-0930 daily - Hrd Ws chatting 0001GMT, 2PM Local time!!! Sun quite high - UNUSUAL!!

FIRST TIMERS NIGHTS *** Two Eu/AF, and TWO, W/VE "First Timers" nights were held this season, when the "Regulars" on the respective sides QRT to give the new comers and low power boys a chance to enjoy the thrill of working DX. Cooperation in general was EXCELLENT, and many made it across to wk DX for the first time. MANY THANK to those who QRX'd - sure that the satisfaction of helping a brother HAM to enjoy the thrill of working DX on 160 made it worth while. The QUESTION now is - "Shall these be continued another year???" WIBB would appreciate as many comments as possible - soon

5N2AAF/Dr. Dransfield *** Reported on 160 JAN 23 1804 by DL1FF - our old friend 5N2JKO!!!

NSIA !!! *** de GM3IAA "Latest NNews/Official - GPO has declared NSI stations illegal and not to be worked by UK Amateurs" - thus ends an "Episode" on 160 - but the MEMORY of those S8/S9 Sigs linger!

ETHIOPIA ET2 de K4FIA/DON *** 160 NOT allowed hr - however hrd Jan 29 DL1FF, G3RFB/549 - FEB5, W2IU/549, G3TLY/569-G3GLM/589-G3PQA/579 "Noise level very low hr" vfb DON/Tax! Sri cant operate fm the MUCH EXCITEMENT!!! WHEN ZD7RH/ZD7IP Ray and Geo came on band 1821.5Kc at 0330z FEB20 - Arranged by W2KQT in cooperation with W4CKD - and worked a number of W/VEs including W2KQT, 8FPU, ANO, VE3DDR, WIBB/1 and causing a real "Pile-Up". His signal was in for over 2 hrs, between 339/559 -- These were FIRST EVER 160 QSOs fm ZD7 land. QSLs via G2IO - a real thrilling event. For WIBB/1, Cntry 89!

EASTERN ISLAND (Midway Group) K1CZH/KM6/Roger *** CONGRATULATIONS!! FIRST EVER Eastern Island/W QSOs when Roger wkd W6HRG 0540Z, 1997 Kc FEB 18'66 and followed by QSOing WIBB/1 0615 to receive 339 and give BB 559, Making BB's 88th Cntry. (YES!! "Love and Kisses" for THAT Contact/QSL) Alerted by landline Tel call fm Roger's Dad in R.I. at 0100, Contact established at set time of 0600. Unfortunately KM6 Sigs in only short time, readable 15 mins B4 QSB out. Roger hrd W2IU/549 in QSO w/ W4... ----- Much credit due Roger who used TCS surplus 20 Watt Tx - R390 Rx and 3Mc San Francisco Rhombic Tx Ant 15--" legs 120" high specially tuned for 160 - and Rx ant 1000' LW, 1000' high. ---- He then QSO'd W7LNG/579 Loth 0703Z and WB6NNJ 56/89 @ Roger who is in USN Communications has now left this area. He was interested in 160 by VE7AKI back in April 1965 during a 75 meter QSO but did not get on until this date-"Crash-Program". ----- Only other known QSO to MIDWAY Isl Group is by VE7AKI during "Transatlantic DX Test" Dec 19th (Eu F.T. Nite) when he wkd KM6DJ, a Pa. HAM, when we hv leased since was "Transient" with group of engineers on Isl for nite or two only and spent bit of time on 160 "Just for Kix"/Now back in USA, He wkd several otr W Coast - no Easterners.

INDONESIA!! 8FA land REAL DX SWling ON 160 de 9V1LP (Ex 9W1LP) wkg in Indonesia/BOB *** Leave it to BOB to do the unusual!! Reports hearing VE2UQ/Gordy and W2FYT/Tony FEB 4 2302Z to 2330Z. Also hrd Feb 5 G3RLE(?), OK1WT, OK1AEZ and WCC Feb 27. What is most unusual about the VE2/W2 reports is that this is the FIRST time 160 signals have ever been reported fm this most remote spot - AND also the path must hv bn directly OVER the NORTH POLE, something most unusual on 160 -- or as Bob says;,, A "ONCE IN A BLUE MOON OCCURRENCE"!!! Congratulactions to all hands - VFB DXing on 160.

WA6ATY MAKES IT ACROSS PACIFIC!! *** QSOing 9V1LP 1431z 27FEB 1998k 9V/569, W6/359. Used Inv L 3/8 Wv Hi w/90' of it VERT - DX100B - HQ17QARx. W6CHQ and W7FP also QSO'D 9V1LP - CONGRATS all VFB!!!

ANOTHER FIRST, 6Y4XG *** FEB6 QSO'd OK1ADM for 19th Cntry - also OK1AEZ. VFB Peter - CONGRATS!!!

CONDITIONS!!!! While we have had some very PUNK weekends, especially the CQ DX TEST, Nevertheless for the SEASON as a whole things have been BETTER than usual. Herewith are a few Comments by some. G3RFB/Keith: "Condx bn vy Gud this yr - marked improvement ovr 1st yr - bt I tak nrt yr wl show definite deterioration - however DX wl still be wkd" ---- W3EIS/DON: "Jan 22/23 the most FANTASTIC endx of my entire experience on 160!!" ---- G3RAU/Derek: "Quite agree Cndx seem Fantastic - hv hrd W8HCW peaking 599 -, the FIRST DX stn hr on 160 to ever be 599 genuine!!" ---- VO1FB/JOE: "JAN '66 Cndrwn compared to JAN65 except for EXCELLENT 2nd & 3rd - bt Gud openings to Eu do occur - 8th JAN open 12 hrs at once to G - CQ Test RAD/DHJ usually 569 hrd weakly only once" (Magnetic Storm cause) G3SCP/GREG: "Condx this yr ASTONISHING - nvr hrd so many or wkd so many so easily - Tue Nite FEB 2 unusual - hrd Chas W2EQS w/Joystick. ---- VE7AKI/SID: "NCondx getting Gud hr nw/shwd stay so until abt end June" ---- G3PLQ/mg/John: "Off DAKAR FEB 20, Condx Fabulous this AM - hearing EVERYTHING on 160 - GI3QR/HUGE signal. Hrd BB QSO ZD7RH fr his 89% (Pity we cant publish all John's LOGS!)

GQ/WW/160/DX/TEST --- Generally speaking we leave reporting on this to Chas and the CQ boys - however since their report does not come our until about August, we'll have a few bits on it. "LADY LUCK" failed us this yr and condx to Eu/AF VY vy POOR - few QSOs nevertheless - but sigs weak & 'in the MUD' -- HOWEVER Condx to West Vy Good W6/7s peaking to unbelievable strength - W7VGQ S9 PL. The 1st night 'one-way' skip seemed in effect, a few hard earned ~~EM~~ QSOs resulted. W6/7s just wouldnt ans. Second night they were btr w/ gud sigs BOTH ways and many QSOs - even KH6LJ & EL, & KL7JDO were QSO'd by W6VXO - hrd in East/net QSO'd. PRIZE!! of TEST, were JAN29 QSOs by Bob/9M4LP w/ W6JTB Antioch DX Club who got 599!! , W7LNG got 45/69 w/Ranger, wkd W7VGQ, K6JFY, W6GJW/6, 7DL, DL1FF G3RFB, OQT, 9M4MT - Bob was 559 - Nice wk!! ---The "CONTEST BUGS" however had a "BALL" of it, knocking 'em off right and left. W6VXO, 3EIS, 8HCW, 9YIG, 7VGQ, 2EQS, FYT a few of the HIGH SCORERS noticed. VE7AKI proved a 'Catch' der DXers!! Outstanding operating by HIBXAL gave many new Cntry. 5N2AAP was hrd by w/w6/NQT wkd --G3PU hrd 23 w/ve but wkd only W1BB/1, OYB/1, 8HCW -sez Condx DISSAPPOINTMENT. de TOMMY G6QB: "I was wondering what on earth gone wrong w/Cnrx when read paper abt earth hvg an immense SOLAR STORM - probably prelude to increased sunspot activity 1st of new CYCLE - expect tt accounts fr it" -Darned unlucky fr it to strike this TEST, but last yrs CQ/TEST it was just the reverse - SUPERB Condx -so maybe we deserve things 'evened' out" -- Tnx Tommy and Gang appreciates wonderful job U doing in SWM for 160. -- TOO bad the condx of the weekend before didnt prevail!!! You cant HIT 'em on the NOSE ALL the time - CQ has done excellent job in past. -- GUESS is that W6VXO with 24,000 pts w1 win Test - using 120' Grounded steel tower, shunt fed w/50 buried radials Collins 75A4, Valiant TX-Herb sure was 'getting-out" despite condx -- 6Y5XG observed tt he was coverd at 1804k - changed to 1997k, wkd out FB-DL1FF, G3RFB - Tot 19 states, Que, Nfldms Countries - Had BALL 4ULITU/G3OOH/HB9CM: Vy disappointed w/Eu QRM and Gen'l results of TEST but tried hard - Tnx OMs. ---For my part, BB didnt do as well as last yr - 120 wkd VS 138 -either getting older, or spent too much time "Digging in the mud" fr th weak ones. Sunday AM Came out of Stone house at base of "Tower", found heavy snow storm in progress, car most buried in drift - dug it out - came home/ shoveled walks/hit HAY fr pleasant Sunday snooze. ALL in ALL it WAS, condx notwithstanding, a GRAND affair!! Wonderful to meet so many friends in yearly TEST - learned some lessons - enjoyed all of it

G8NF *** 160 METER ANNUAL TRANSATLANTIC DX TESTS ***

REGULAR JANUARY 16th TEST *** A-NICE Dx morning - lots Dx wkd Wx vfb clear/starlight/calm - DHJ in al. ng 449/579 - Participating down. DX ACTIVITY: *DL1FF:W1BB/1, HGT-2EQS, GGL, K2CHQ-3EIS-CANO-VE2UQ, LI, ATU-3BWY, FBV "vfb Nite/vfb CONDX" *W1BB/1, FB-K2BHQ-8HCW, ANO, CRP-VE2ATU VO1FB *G3RBP:W1HGT-2GGL, KHT, K2DGT-8HRV, HGW, ANO, K8RRH, CRJ, VTC-K9YWO-VE2LI, 3QU *OKIADM:W1BB/1, HGT *Gswl SMITH:W1bb/1, PPN, HGT-2GGL, EQS, K2CHQ, DGT-3EIS, FBV-8HRV, HGW, ANO, K8CRJ, RRH-Wa8EMJ-K9YWO-VE2UQ, LI-3AGX QU. Nice list Norm! *Gswl/IBALL:W1BB/1, HGT-2GGL-K2DGT-8ANO, HGW-VE3BWY, QU-2ATU, LI-IS1FK!!!! (Phonie Tnx Bob *G3PLO/mm:"Left Phila afr meeting W2FYT, W2AZR, PQB, K3HQX vvvvfb Eyeballs!" *OELKU:W1BB/1, HGT-VE3AGX *OKswl-1560:W1BB/1, HGT(Strongest)-8HCW-VOLFB *6Y5XG: W3EIS, FPQ-G3RFB, YPO/Wy569!!!! G3RAU:W1BB/1, HGT-8HCW OLIAEF:W1BB/1-VE3AGX G6BQ:W1BB/1-8ANO PA/PN:VE3BWY G3RFB:K2DGT-K8RAH G3SED:W2GGL, BE/1, 8ANO G3TZZ:W1BB/1-8HRV G3SCP:W1BB/1-2EB W/VE ACTIVITY: W1BB/1:G3RAU, SSP, RBP, FPQ, UQD, PQA, SED, TZZ, KFA, RBP, LIQ, IOW, SCP, PGT, PPE-6BQ-8NF-OL3ADO, AEF-8GBI-OKIADM, 2BJJ-DL1FF-PA/PN-GM3RXT *W1HGT:G3RAU, LIQ, RBP, UQD, IOW, KFA, SVD, RFB-8NF-6BQ-EIQJ-OKIAEZ, ADM, AKU, AEF, 2BJJ-DL1FF-OL3ADO, PA/PN "One of the better weekends!" *W8ANO:G3PQA, SED, RFB, IOW, KFA, RBP-6BQ-8NF-CO2QR-DL1FF *G3LIQ, ERN, TZO, UQD, SED, FPQ, PQA, RPB-6BQ-8NF-PA/PN-OKIAEZ-DL1FF-G3RAU "Best period of the season hr but where are the 'Westerners'?? *W3EIS: G3LIQ, SED, PGT, RAU, RPB, PQA-6Y5XG, 6Y5FH-DL1FF-G8NF G6BQ "Condx Gud" *VE3DU:6Y5XG, DL1FF, PA/PN-G3RAU, FPQ, RPB, PQA, SED, TQL, KFA, FQD, ERN-6BQ-8NF "WASTED many watts clg stns-ND-stilllooking for FIRST "G" *W5SOT: DL1FF!!!!!! 6Y5XG bn stronger this season than ever B4 - Hr hv 50w to Marconi 50' high." Wonderful Chas on DL1FF -FB 6Y5XG. *VE1/swl/ ANDY McLELLAN:W1BB/1, 6Y5FH, 6Y5XG-G3PPE, 3THN W2EB:G3SCP W8HRV:6Y5RH-G3RBP W2TKG:G3RAU OTHER PARTICIPANTS: G3TTK, ERN-5WF-CO2QR---KIDZG-W1CAG-2RVJ, RAA, K2SFA, Wa2DFA-3FSP-8CRF-K8RAH.

REGULAR FEBRUARY 6th and "FIRST TIMERS" Test *** For this 5th Transatlantic TEST, COMBINED with the "First Timers" Test for Eu/AF Stations, conditions did not look too promising at 2200z but by 0500 they had improved considerably so that weak 1st timers could be read and quite a few were wkd. The Cooperation was SPLENDID all along the line. DX ACTIVITY: *OLIADA:W1BB/1, ME-VOLFB-6Y5XG!!! *6Y5XG FIRST EVER OK/6Y5-Big Thrill-Hv 2l Cntries-4 Vonts-Need SA& OC" vfb VAREK!! *G3GGS:W1BB/1 ME-2GGL, EQS, KQT-K2GAL-3EIS "THANKS to 'First-Timers" night, made my FIRST EVER W after trying FO COME YEARS O delighted to finally make it - good QTH hr but small plot & Ant" CONGRATS Bill. *G3SVD: W1BB/1-VOLFB "Only DX sigs hrd hr w/any strength" *Gswl/SMITH: W1BB/1-20WD-9YWO-K-VOLFB "Nothing but "FISH FONE" *Gswl/Lindgren:6Y5XG-P11STG????? *G3PLO/mm:"In HALIFAX - LL QSO w/Jack VE1ZZ" *Gswl/IBALL:W1BB/1-2GGL-VOLFB *G3PU:W1BB/1-2BVN-9PNE-6VXO *FYswl/RASP:W6VXO only sig hrd. *6Y5XG:OKIADM, LAEZ " Another FIRST & 19th Cntry" Congrats Peter!! *GM3TMR:"Sent list of Eu. FTs hr hrd. Observed FT Nite by QRX - think FT nights a GOOD IDEA!! Tnx Dave.

W/VE ACTIVITY: ***W1BB/1 G3TLY, JYJ, FKM, POA, SWD, STP, GGS, FFX, RFS, PU, RBF -OKIADM-DL1FF, KRA-ZB2AM**
PA/LOU-GM3QMR-GI6TK *VE3EY:DL1FF "Europeans werent making it to VE3" *W3EIS: "Terrible FLOP for
Eu 1st Timers - didnt hear any-tried ZB2AM/ND" G3RFS-DL1FF, 9KRA-ZB2AM *VOLFB:2Condr excellent hr-
wkd 8 new ones 0000-0730!! Eu Cooperation excellent except fr one DL and one G - a very satisfactory
night far as I'm concerned. Average Rpts to 1st Timers 34/49 - abt 2 points down fm big guns - no
do many 10 watt stas - I think 1st Timers tests hv gone off very well" G3FKM, TLY, TUF, ICW, JYJ, VRA
PSL, OPM, SJP, SJR-2CVT, DC-DL9KRA,DL1FF-OL5ADO-GW3UYN, GWX, GEG-OKLIQ, ADM *W9PNE: VOLFB-ZB2AM-GI6TK-
G3RFS, ZB2A "Hrd several weak sigs didnt identify - condr spotty" *W8GDQ: ZB2A *VE3DU:G3POA,
TLY,DL1FF *WalCAG:G3TLY OTHER PARTICIPANTS: G3UEJ TTQ,UBW,ERN,TLH,UMA,PSB,KML,UTS,TZZ,KEP,PVG,
OSC,RFS,LIQ,UIS,TKQ --OKIACH,WT,AEZ,AON,2BJJ,BHX-GM3TK,KMR-HB9CM-GZDC ---W1ME-2EQS--VXO

LAST TEST No. 6 FEBRUARY 20th *** The TWIN stations ZD7RH & ZD7IP completely disrupted this last
 Test by coming on 1821.5k and causing a real pile-up. They wkd W2KQT who in cooperation w/W4CKD did
 arrange for them to be on - then wkd W8FPU, VE3DDR, W1BB/1, W8ANO and others. GI3OQR came on w/Rhombic
 putting a terrific signal into W/VE, and DAKAR DX ACTIVITY: ***OKIKUR:W1BB/1-VOLFB-2EQS,GGL-ZD7RH**
ZD7IP,"Only OKIMG had luck wk ZD7IP-Hrd 9M4LP 2 wks ago" *G3PLW/mm-OFF DAKAR, Africa: W1BB/1,WY-
2IU,GGL,KHT, K2GAL-W3EIS--G3RFS,POA,RKO,SED,LIQ,LLM-9LHX-ZB2AM-PA/PM-ZD7RH/IP-DL1FF-VE3DDR.
***Gswl/SMITH: W1BB/1, TX-SFPU-VOLHN,FB-VE3DU,DLR."Waiting fr W/VXO/n.d." *HB9CM:W1BB/1 "Condr Poor"**
***Gswl/QUEST: ZD7RH-W1BB/1 W/VE ACTIVITY: W1BB:G3RKO-GO2QR-PA/PM-OKIKUR,GM,MG-GI3OQR-ZD7RH,IP --**

***W/VXO/PYL:Herb listening at PYLNPC's QTH,Rio/Brasil hrd W1BB/579,2UWD/579,2IU/579,8ANO/579,8DGP/22**
8HGN/599,OVXO 599-ZD7IP/459-DL1FF/449-VE2UQ/599 Herb left "Navigator" with these boys - sure doing
his part to promote 160!! Sez "Reception here amazing, even during thunder storms - sigs 599 on 160.
***W9PNE: "Hrd ZD7RH,PA/PM,9LHX-very spotty condr-sigs in briefly, then out" *W8ANO: ZD7RH "Wkd rit**
after BB & over dead bodies of abt dozen E Coast stas - dont knw how he hrd my meager squeak thru
all tt pile-up!!" vfb Waldo - congrats 39 Cntries nw- Waldo wants to know if any W8 has more????
***W1BHQ;GI3OQR *W2KQT:ZD7RH OTHER PARTICIPANTS: G3JVJ,RFS,CFV,SED-9LHX-9VLLP W2EQS.**

LAST "FIRST TIMERS" TEST for W/VE MARCH 6th *** This last FT test skip condr were excellent, BUT,
 QRN vy high/spoiled what otherwise might hv bn an unusual DX night. W/VE signals were "Pouring" into
 Eu 56/89. Unfortunately there were a number of W/VE 'Violators' of 'Regulars-QRX', but possibly they
 thought because of the high QRN no harm would be done - however they did blot out quite a number of
 FTs who were trying valiantly. DX ACTIVITY: ***HB9CM:W1BB QST/0440-W1FZJ/KP4-W3BUR-1HGT-8HGN-**
9PNE-VE2UQ,3UQ,BWY. *HB9CM:"Band peaked hr 20 to 40 minutes AFTER Daylight!!!" *Gswl/SMITH:W1HGT,
BU-2BVN-8HRV,HGW-4BGO-W1FZJ/KP4 *PY/swl/RASP:W1BB,2GHK-8ANO,HGW,HRV,DGP,HGT-9YYG,OVXO- K8RRH-
K7MKW-W1FZJ/KP4-ZD7IP-DL1FF-G3RFB "SWL DICC Hr 24/21 - WAS (HAS) 26/22" vfb ROLF!! *DL1FF:3BUR

4BGO-2BVN-EQS-W1BB,WalCAG,HGT,VE2UQ, K2CHOW 8HGN,HRV-VE3QU- ZD7IP-VOLFB-ZB2AM- and MAYBE Q'O'd ZL3RB
QRN/high, he peaked 349 W/VE ACTIVITY: *W9PNE:ZB2AM-DL1FF-6Y5XG-W1FZJ/KP4-ZD7RH-G8NF-3LIQUEW,PU,
8HGN G4GKF "All in all a good night and the regulars cooperated quite well by remaining silent"
Tnx Brise - all hoping xyl much better and ur load easing a bit!! *W8GDQ:G3PU,SED,RPB-8NF-DL1FF-
6Y5XG *W/PSF: "FINAL note fr this season - winds hr 70-100mph-static!!!! No Eu dx hrd - 6Y5XG/589!!
"-Best wishes Larry - who went to lots hard wk to faithfully hit 160 this season, lugging gear arnd

W1BB: DL1FF-6Y5XG-VK5KO-G3OITW-W1FZJ/KP4:K8RRH & Otrs. 6Y5XG:W/VXO,W1BB/1 & Otrs *OTHER
PARTICIPANTS:G3LIQ,TLY,RT --WLEPN,NIX(Tried Valiantly to cross in QRN/QRM) -2KHT,UQS,HLY,IU -8DGP,
HID/8-K8NNG-9UIT-PSF,DIB,PHF/8. It was nice to work HERB who was visiting 6Y5XG/Pete, at the end of
his SA/160/Dxpediton - they wkd quite a few. W1BB worked K7MKW got 56/89 - tested Inverted VEE, VS
Top Loaded Vertical - VEE a bit better consistently than top loaded VERT, although many rpts gave Equ

**** SPECIAL ITEMS ****

CONGRATULATIONS W/VXO/HERB --- For your outstanding 160 performance - making TAPES of DX TEST -
 running up superb score and mounting S.A. 160,DXPEDITION. That "Complete Station in a shoe box"
 musta been sumpin!! Hvg 40w 6146 osc & Elmac Rx - also ur propogation studies. This vfb L.F. Prop/g
 info fm US Dept Commerce, Bureau Stds File 87.0/CR 4/19/63 regarding Sunrise/Sunset differences in
 effect - QUOTE"From physical point of view, rather different things are happening in the ionosphere
 in the evening hours, than in the early morning hours. Immediately after sunset, the
 critical Fy of the E region drops rapidly and continues to decay through the night and into the earl
 morning periods so that the fys which can be reflected from the E region of ionosphere are higher in
 evening than early morning. As SUNRISE approaches, the E-region reflecting properties increase vy
 rapidly until daytine condr set in. During nighttime periods there wl b more propogation of medium
 wave transmissions during early morn hrs than during evening hrs, just due to penetration of E layer
 ---"When a given area on Earth moves fm dalite to darkness one may observe the phenomenon that the
 area receives signals fm distant stations rather weakly immediately following sunset and then at a
 slowly increasing rate of change, until maximum is reached about 2 hrs after sunset. However the
 mirror image condr does not prevail near sunrise. The signal received prior to sunrise, persists

almost to the morning twilight, and then takes a sharp rate of decay. The absorption in the evening begins at a higher value and continues at a lower rate of change, than in the times immediately prior to sunrise. The signal strength is not symmetrical, following sunset to prior of sunrise, since diffraction effects on earth are not symmetrical. Nighttime absorption is primarily by E layer -- (Report by Dr. Reed-Prof Elect Eng Univ Md. College Pk Md) TXN for passing this along Herb

WE RUN "FIRST TIMERS" TESTS AGAIN 66/67????? W1BB would appreciate comments and suggestions (As also stated elsewhere, but repeated here to emphasize) WB2MF/Lamar has this to say "Thanks for the 'First Timers' TEST. Although I have tried the last two years to work DX, I hv never made the grade - began to think my ANT just not high enuff - HOWEVER, Jan 9th wkd G3FPQ, SED, RAU with an ARC/5-90w-SX101 & Inv Vee 57' High-Tax!!! On the other hand several of the regulars have expressed that observance of QRX for FTs might deprive them of another Country!!! What say Gang?????

RUSSIA and 160 METERS (de W1BB) --- In response to my letter to "The Central Radio Club of the USSR" regarding possibility of operation on this band for TRANSATLANTIC DX TESTS, the following reply from Mr. T DEMANOR, Secretary, is of interest --- "Thankyou for your kind letter and information concerning 160 meter band TESTS. Alas to our regret, in accordance with international agreement, in our Country this band is yet not available for Amateur Radio Stations including also our CENTRAL RADIO CLUB Station UA3KAA. Therefore we cannot take part in the Radio Tests offered by you on 160 meter band". --- SOOOOoooo seems almost certain from this that any USSR stations wkd on 160 must be "PHONIES".

9M4LP/Bob/Singapore-(Now 9V1LP) --- As usual has done outstanding work on 160 this yr. (See CQ/WW Test report herein) Wkd/Hrd list follows --G3NYQ, RFS, LIQ, RPB, OOT, IGW, SPJ, UQD, PCA - 6LX-DL9KRA, 1FF, 1VW 9M4LP (A first EVER!!) - EI9J, ZB2AM-OKIAGO, 2BJJ-76JTB, K6FJY, Wa6GJW/6, 7LNG, DL, VGQ - vfb Bob & Gang.

THIS YEARS CROP OF "PHONIES" --- FACLP - UA9KJD-UA2AL-2M7AA-IS1FR-F5DP-SP9LP-ILIZ - any others???? Characteristic of almost all "phonies" - their calls are never found in latest call books!!!

*** W1BB SUMMARY LOG ***

WEEKEND JAN 23rd *** With a threatened blizzard 30F windy/Starlight the band "Popped wide open" as W3EIS put it - "the most FANTASTIC NIGHT EVER ON 160! 9L1HX peaking 589, Gs like locals. Fm 0000-0830 band was real "HOT". W7DL in steady 569!! Much DX and many new ones worked - wonderful session- & at 1100z the blizzard did hit, with heavy wind, icing, snow - many antennas lost or damaged!!!

ACTIVITY: *G3PU:W1BB-K1PBW, ICD-2GGL, IU, UWD-3EIS-4OEE-8HCW, FPU-VXO-VE3BWY. "QSO'd 4 I've nvr hrd B4 - Rec'd tape fm Herb/VXO, FB & QSL de 9YIG!!" *OL6ACY:W1BB, HGT, WY, IUA-K1PBW-2GGL-3EIS-8HCW-VOLFB-VE3BWY "My FIRST 160 DX QSO!" *6Y5XG: HPLIE "New Country for me!" *9M4LP:G3RFB-9M6BM - *DL1FF:W1WY-K1PBW-3EIS-2IU, UWD, BHQ-K2GAL-2GGL-8HCW-5N2AAF-ZB2AM *9L1HX:W1BB-3EIS-2GGL-6NWX *HB9CM:W1BB, BHQ W/VE ACTIVITY: W1BB/1:G3IPD, TLY, PCA, HED, SGC, RPB, OWW, TZZ, SED, LIQ, PU, ERN-4MFI-6BQ PAOPN-9L1HX-OK3KAS, LANG-GM3TMK-DL1FF-HB9CM, 9TT *W3EIS: G3TLY, RPB, FGT, PCA, IPD, LIQ, RAU, OWW, SED, RFS, PU-6BQ-SNF-9L1HX-CO2QR-6Y5XG-DL1FF-HPLIE-OL3AEF-OKIADM, ANG, AEZ -PA/PN-HB9CM "The most Fantastic night of my whole career on 160" *W1WY:G3PGT, PCA, KOR, RFS-SNF-9L1HX-DL1FF-OLIAEF*OKIANG*HB9CM-PAOPN "Never hrd such a variety of DX coming thru on 160-shud hv hd CQ Contest THIS weekend- boys if we cut only hv condx like this!! wkd 2 new entries. *VE3DU:6Y5XG-HB9CM-OK2ANG-DL1FF-G3RAU, TLY, S, SED, LFS, PU "Heavy TV QRM" *W8GDQ:G3PU, RAW, RPB, SED, TLY-HPLIE-OKIANG *W/PSF:"Hrd weak sigs 1835/30 not readable" *W/PNE:HB9CM "xyl seriously ILL - vy QRL hr - Operations -Not much time for 160 this yr" Vy Vy Sri Brns/best wishes speedy recovery. Also hrd G3RFS, RAU, PU, SED, DL1FF *VE3BWY: DL1FF, G3TLY, PCA, RPB, RAU, RFS, SED, PU, OLIAEF "Severe snow storm & static" W1WY:DL1FF-OLIAEF OTHER PARTICIPANTS: G3RFS, SPD-OKIWT-OELKU --W2FYT, HUG, APU, GP-K2CHQ, LMQ-3YTW-4OEE-WA4ZCM-9BGX, YYG-WA9GUO W/VER/4--PSF-VE2UQ. YES!!! This was a very memorable night for good reception and QSOs on 160;

WEEKEND FEB 13th *** Wx calm, mild, 45f-starlight-QRM/S60WV/216-No DX- BAND SEEMS QUIET - DHJ 559 w/QSB only a few QSOs. DX ACTIVITY: *G2PL:W1BB/1 "Nice to QSO-Hv Completely given up Country Chasing however" FB hv U on Peter!! *ZS4/swl/Bert:W1BB/1-KLLMO 0540z *G3PLQ/mm 740 Miles SE Nfld: W/VXO, STSD, CMI-OKIAEZ-G3TLY, SGC, SIA, TKF *Gaw/1ball:W1BB, HGT *PYO/1 Resp:W1BB/1329, AW229-2GGL49-HGT349(W1)-9PNE359-OKIKUR349-G3SED349, LIQ239. "These sigs built up later-at 0505 BB Peaked 569-peak hr nw abt 0500-please tell boys any QSL/SWLs for PYLNFQ NOT thru LABRE or Bureau - QSL Direct % PO Box 51-no-00 Rio De Janeiro *G3PU:"Raining hard - band blotted out by rain/QRM-No Dx".---- W/VE ACTIVITY: *W1BB/1-G3LIQ, SED-68Q-2PL-OK2BJJ, ADM, KUR "Hrd 7/wkd/2Cntries" *W1HGT:OK2BJJ-G3LIQ SED-GI6TK *W8GDQ:"Power leak-high noise level-no Dx Hrd" *W8ANO: W5HWR/VP9-G3RFB-CO2QR-G3TLY PNE:(G3PCA-ZB2AT Sat)No trace of DX hr but Ws numerous-loran above 1830 weaker this yr. *VE3DY:no readable signals. *W2EQS:G3SED *W2GGL:OKIKUR OTHER PARTICIPANTS:G3KFA, RBP, TFX-200-GN3TSH-OK2BJJ---W1RGT-2IU, RAA, K2UFT-3EKO, BUR-9BGX-8HRV, HID/S-K8VTC-VE3GAG.

WEEKEND ARRL DX TEST FEB 27th *** So there were no favorites, the CONDITIONS were poor for the ARRL DX TEST - Same as for the CQ DX TEST - only not quite so bad!! - see QST for reports - Active were G3PU, HB9CM, GM3TMK, DL1FF, 9V1LP (FBJob) - W1BB, HGT-2EQS, 3AJS, 9PNE, RHI, Wa6ATY & Others

WA4ADM: Nw has 5 Entries w/10w. Wkd DJ6SI JAN30/Excellent Jack! Nw wants skeds w/687, VFs for SC QSOs - WAS/25! VE3DU/DAVE DAYLIGHT QSO! w/K5WZO JAN26 2217z-Most Unusual!! G6PG/Gus: Illness in family/kept off air. Sri! Originator of 'FIRST TIMERS' Tests - sorry Gus cudnt participate! OK1KUR/MIREK/islw OK12048/OK1-5200swl: vfb swing this yr - hrd JA6AK, EP2RJ, ZD7RH, IP-VOLFB-ZB2AM, & We - Hrd Total 387 Entries/sri not QRV more-uses EL10 Rxx/home converter 60wTx Wb6OPG/BILL: "Hd 540' 1w gg up hill on 30' poles-used it on A3-QRM'd TEL Co-had take dwn - SADNESS PLUS!-used get out like "Ton-O-BRICKS w/tt ant!-Sri! Natal S. Africa hrd KLLMO, W1BB/1-FEB13-0540Z-359 de ZS5/SWL/Bert G3PLQ/JOHN: Ships RO Op hears all tt's going on 160 - sent BB radiogram RCA "Sea-Letter" fm off DAKAR CONGRATING BB's QSO ZD7RH/FEB20/Cntry No. 89-This came thru WCC/RCA/Chatham-rec'd by K12FL WCC Op (Formerly W1QG) & sent his "greetings fm abt 16 HAMS at WCC"-small world - eh?? Told him what a FB "Marker" their WCC is! W8HGW/OUTSTANDING SEASON:wkd 24G stns, 3/DL, GI, CO, 6Y5, PA, GW, HB9, EI9, 2/OK, OL, VP7, KV4, HI8, 9L1, HK4 & all VE except 4&8 -"The 160 mtr TESTS are great/they really bring out DX" Who sed condx werent good? Congrats/Les. W3AJS/HARD LUCK BOY!! CQ/TEST, Gale blew top off 80' Top-100 ant-got gg 2nd day-Tx QRT/Open Screen Ckt-Garage Radiator burst spraying ear w/water/froze/mess-drained whole system/house cold-then Blizzard/snow drifts 5' High-xyl sick w/virus - AND!! Still made 91 Contacts - TTs perseverance Ed!! G3TFX/Dick: Made his FIRST EVER Dx QSO 1st Timers nite wkg BB w/new 42' Hi Ant, making most of small yard-FB!! OLACY/KAREL: JAN-wkd BB/1-hrd W1HGT, WY, IUA-K1PEW-8HGW-3EIS-2GGL-VOLFB-VE3BWW-JA6AK-VK2AB nice!! G3RAU/DEREK: Has 101 QSOs w/w-K Stns W3EIS/DEREK QSO'd, 38 w/VE-VO - 16 Different VE/VOs-47 Different W/Ks - Gud!! R.S.G.B. MONTH ON THE AIR COLUMN New Editor John Allaway G3FKM sez "Vy interested 160"- "W1 gv it good "GC" in Column-spread 160 gospel" has QSO'd W2EQS-Hrd 9M4LP-wl B tryin fr otrs - Tnx John!! VE8ZZ!! de VE2UQ: Hs bn on 160-but not hrd anything yet due protracted AURORAL storm/even 40-80 poor or out-wl continue trying-hopes fr break - 180' Marconi w/Comm'l Tx - Gordy believes this bad storm why 9M4LP didnt hr WCC or NA Stns most season (Hrd/Wkd BB 1st yr) "TT big AURORAL blanket has blocked off our N path Completely" QRP/WA4ADM/Jack w/10w-semi-Vert-150 QSOs inc VOL, VE2, 3, -6Y5XG-G3SED-DH6SI Who said you cant do it with 10w!! "FIRST TIMERS" vs "10 WATT" Night: A certain GM sez judging by the way sum sigs roar in fm g/Land "What abt weekend for those who use only 10 Watts!!??" G2BVN/Steve-PRESIDENT RSCG!! Attending the TRIENNIAL REGION 1 IRAU Conference in YU land in MAY leading RSCG "We are gg hv struggle keep TOP/End in Region I-Maritime users gg try make it all theirs" Best wishes and appreciation go w/U Steve for suc is agnst their onslaught!! G8NF&G3IPD TEST ANTENNAS: G8NF: 1/2 Wv Flded Dipole Inv V 90' apex, 40' ends - VS- 300' Hi Inv V w/300', 6000ohm open feed-ends 150' hung on 458' Hi TV Tower-w/nearby 1250' TV Mast covered area w/many GUYS, which seemed shield it-didnt get out near well as expected "Like hvg Ant in Earthed Box" Small ant wkd best - TOO Bad after all TT wk fellers - but NICE TEST anyway!! K7OEP/Earl: Using BC Tower 258' vert 2Mc@100w/ARC5&Sx96-for CQ DX Test. CONGRATS VE3DU/Dave: FIFTH FIRST CROSSING w/1997k to G3PQA 0730z 459 both - Thus eliminating himself from First Timers Nights!! VE3BWW Rev. HAM!! Rpts fm new TREMENDOUS QUIET QTH-hilltop-650' aal-w/2Wv Dipole-wkd right away -- W7UFB-DL1KA, G3RFB, FPQ, LIQ, RAU, ICP, RBP, KFE, JVJ, PQA, ERN-68Q-8NF-DL1FF-PA, PN. "No TV birdies/garmonice-WONDERFUL Hm"-VFB Rev! CONGRATS WBANO: Cntry #37/PA, DC JAN8-1.30AM Local. Also FEB 20 #39, ZD7RH!!! VE7AKI/SID: "Cndx poorer VE7 this yr-CW stns rarer on 2Mc nw bt W6JTB w/new 71' Apex Inv Vee has an outstanding sig-WCC peaks S9 occasionally -KPH&WNU gud markers - 160 shud improve - been SNOWED in Hm Lost 2 Rx Ants/Storms-use 150w-lkg fcd CQ Test" (Sid did vfb in tt TEST) OELKU/Willy: FIRST OE/LX Dec21 w/DL2CT/LX-QSO'd UA9KJD Dec29(Phonie?) W4NWJ/G3PQA: QSO JAN10-0700z (Tnx WalCAG) YN1CW/"Gus" Ex DL3JO hopesB active this 65/66 (Tnx W1HGT) FY1WL/RASP: Dec19/Rio/Hrd WJX0359-8HGW/469-QRAs9. W3EIS/DON: Bk on 160-DEC19/G5RP-PA/DC-GW3NNF-G3KMG/A, TMA, SED, SEE-OLIAEF-DL1FF-VOLFB-Peaks 0200z. W1DMD: "Big thrill-wkd my 1st Dx/160 G3RFS/569-my589-JAN8-Will greatly pbcasure TT QSL - 1st ever on 160-Congrats John!! W3AJS/Ed: "Bn Buried Naval Research Lab.Wash.-BEAUTIFUL Ant. farm - not much time fr 160" DL9KRA/JAN: Nw active w/R4/T4X-hrd ZELAZD&W1BB/1 JUN'65 "Hv 160 ant at apt-rig wks gud Happiness is here again!! Hear WCC almost evry nite -Rv Balloons/Gas Gen/Etc fr TEST - wkd ZB2AM, 9L1HX, NS1A" Fb!! ZL3RB/Mick: famous 160er Bn QRT/Mother Ill/Crisis passed/wl B bk fr spring equinox MARCH w/R4-Sri-Best wishes. VOLFB/Joe: Gives many DXers their 1st Crossing "Sure wl Coop. 1st Timers Gswl/SEAL: Rptd BB/1, HGT Nov28/359 "Have gone mad abt 160 Dx" 6Y5XG/UNFORTUNATELY!!! We are gg lose Peter as 6Y5XG - gg G/Land MAY as G3HVG Permanently!! Has Bn FB DX Neighbor and wl B missed - Tnx fr all You've done to make 160 interesting Peter - sez 6Y5FH wl take over fr him - used 807/50w GELOSO G209 Rx - MARCONI ANT 65' High. W4VXO/Herb: NOV28 wkd G3IGW w/Vert, Valiant, 75A4, 120' Shunt fed Vert - "Probably 1st ever VERT/Eu QSO W of Mississippi"-FB!! Done lots more since!!! Gswl/ALL & F. ILY moving VK6 DEC5-wl keep car fr 160- this'll B FB-Best wishes PAKISTAN/AP2AR/Arif: Reports OCT/65 all LICENSES cancelled-believes wl take 5 yrs nw fr HAMS get licenses back-most HAMS have dismantled/stored rigs-SOOOOOO NO AP2/160-sure SORRY!!! IRAN/EP2IW/DICK HALLS. (G3EIW): Was on 160 1824k thru DEC15 w/807/50w 0000-0100z Sats NOV20, 27, DEC4, 11 w/300' Vert BALLOON Ant-Rx/HRO-Did not hear any Ws - was hrd & Cld by W1BB/1 WELCOME TO 160 K3EKO/Tom: Who just wrapped up DXCC/80 and now will tackle 160 "Seems funny see KW sitting there like armored truck-but CANT USE!!!" 73/Ste

73/Ste

September 18, 1966

PY/swl-Rolf

WONDERFUL to hear from you again - your letter de CALIFORNIA just rec'd on my return from Maine -- Have been looking for you most every week end on the air - your report most interesting - sorry it didnt come in time for this BULL - SORRY about that TX trouble!!!

ESPECIALLY am I impressed with your kindness to write and wish Alice GodSpeed on our trip - we are shving off in 23 days now and will not be back until about Feb 1st. THANKYOU and we'll take your advice and have a fine time.

GOOD!!! On the licensing deal in PY - only hope however that you can get yourself "squared away" somehow or other!!! By the time I get back???

CONDITIONS to the South Check agree - yes Summer is the best time to work DX South from here I find - even though your winter as you say seems to be the QRNIest!!! FINE on observations WCC and also WOVXO - talked with Herb this morning - about you - and other matters -, he sez you may visit him on way home - hope so - Also HERB has good ideas for DXPEDITIONS thru the carribbean!!! As well as PYø-OA4 etc etc.!!!

SOOOOOOOOOO this will be my last before leaving - and then b.c.n.u in FEB - was gg to take Tx and Rx with me but got shot down on both - SS Co. will not allow - I may take receiver anyway and then "Play it by ear" might get by with It - I dunno right now

Rolf - thanks for everything and HAPPY DAYS always to you

73/Stew/WLBB

SEPTEMBER 1, 1966

WLBB - 160 METER DX BULLETIN - WLBB

1966/1967 - No.1

DE WLBB/Stew --- All set for 1966/1967??? Hope so, for there should be lots "Cookin", on 160!!! In spite of increasing sun-spots, occasionally good conditions and DX have prevailed this summer - which augers well for the coming winter, and there seems to be plenty of latent 160 interest ready to blossom out with the end of summer activities and the beginning of FALL. ----- Annual TRANSATLANTIC TESTS are all set, as well as "First Timers" nights - CQ's "Big Binge", the CQ/WW/160 Meter DX Contest - regular ARRL and CQ DX Contests, where the 160 boys get a good workout providing extra band multipliers, to say nothing of random, and those unusual and unexpected opportunities. ----- This Bulletin gives "All the Latest" information available, as well as 'Hang-over' items from last spring. ----- Incidentally, and again, guess y'll know that WLBB is going on a long 'Retirement' USA and ORIENT Cruise trip w/ XYL/Alice/WLDQF and will not be on 160 from October 10th until about February 1st. This means that this FALL Bulletin will be the only one between now and about March 1967. However, QST-CQ-SWM-RSCB-Radio 2S-Florida Skip -ISWL, etc will carry all the important news from your direct reports. As stated, while there will be a family living at WLBB's qth, they know nothing about HAM Radio, and have been instructed to hold ALL mail for my return - So Please dont send mail to arrive before Feb 1 1967 -- send your news items direct to the various Magazines - OK??? ----- I tried to arrange with the cruise Steamship Co. for WLBB/m operation on 160 in the Pacific but was turned down - N.D.!!!! SORRY!!! Nevertheless, I'll probably probably take an R-4 receiver along and do considerable listening and 'Snoopin' on 160, and especially check WCC around JA land, (No one as yet in or near JA land had heard WCC - 2036Ke), looking towards possible contact someday between a JA and East Coast HAM. Will be in KH6, one week or two, maybe, and have tried to line up some KH6 HAM who has 160 gear and willing to schedule Ws, particularly the EAST Coast Ws, while I am there - however no luck as yet. Will be in JA/land two weeks and hv some JA HAMS lined up for personal QSOs. Nothing lined up yet for Manila/DU, Formosa/BV, or Hong/Kong VS6 ----- Sure am going to miss being on 160 with all you good fellers the first part of the 66/67 season - also not to be keeping the "Ball-Rolling" on that DXCC/160 hunt - however, will try to make up for lost time on my return, from Feb 1st or so ON - possible the CQ-WW-160-TEST as a starter on my return, sure hope so. ----- Want to say 'THANKYOU a Mo' to all our kind friends who have written in wishing us "GodSpeed", "Smooth Sailing", "Happy Landings" . on this trip - We'll be thinking of you, maybe listening for you on 160 - or some other band - and b.c.n.u. again on 160 early next year. ----- SOOOOOOOOOO better start getting those LNs, Inverted Vees, Verticals w/Radials etc. Ready, because the season for DX will be here before you know it!!! And Chances are it'll be a good one!!! HAPPY HAMMING always - on ANY band, yes, but ESPECIALLY if it is on 160!!!

73/Stew/WLBB

Stew

ANNUAL TRANSATLANTIC DX TESTS 1966/1967 Reminiscent and symbolic of the original PIONEERING Transatlantic crossings by Marconi, DeLoy, Schnell, Reinartz, Godley, 1901-1924 and continuing a yearly operating activity on 160 started 1932 through efforts of ~~RENE~~ C6FO, and held every year since - (Except for WAR years)-, the ANNUAL - TRANSATLANTIC and WORLDWIDE "TOP-BAND" DX TESTS will be held on the following SUNDAY mornings 0500-0730 GMT. --- DEC 4th and 18th, --- JAN 1st and 15th --- FEB 5th and 19th. During these TESTS, special efforts will be made to establish new records. W/VE stations should call "CQ-DX-TEST" the first 5 minutes of the hour, and alternate periods thereafter -listening between. DX will call "CQ-DX-TEST" the 2nd, 4th, 6th, 5 Minute periods etc., -listening betweentimes. Adhere to this sked except when QSOs in progress. Use authorized Fys. W/VEs EAST, 1800-1825, WEST 1975/2000Kc. EUROPE 1825-30 -- ZL/VK 1800-1860 -- JAs 1907.5-1912.5 -- AFRICANS 1800-1825 Mostly. These TRANSATLANTIC TESTS are exciting. All HAMS are reminded to be alert for unusual DX openings anywhere over DARKNESS PATHS, at sunrise or sunset times, either end of path, just as long as path is in DARKNESS, and at or near twilight, or sunrise at either end. --- This is when 160 meter signals "Peak". Write VE2UQ for special TIMES sunset/sunrise for any path. Now, REMEMBER, these are "TESTS" - NOT CONTESTS!!!, for pleasure in an unusual operating activity, without competition, and to develop propagation information which makes a worthwhile contribution to the art of RADIO. Send your RESUME report of TESTS to WIBB at end of the season, and progress reports after each TEST beginning February 1st, for logging, and reporting to Magazines. Send HOT and UNUSUAL results newsitems direct to your favorite HAM Magazine also. Remember to keep periods and set your clock accurately before each TEST. See also Notice SPECIAL "FIRST TIMERS" TESTS to follow herein - this is IMPORTANT!!!!

SPECIAL "FIRST TIMERS" TESTS Again "By Popular Demand", these special TESTS will be repeated, Sunday Mornings 0500-0730GMT. ALL OF THOSE on one side or the other, who have already crossed the Atlantic, or worked real DX on 160 will QRT - stay off the air entirely -on that particular morning to allow the FT stations who have never crossed before to have a go at it, without fighting the bigger antenna/better QTH boys who regularly do it across, or have crossed before. --- One morning the EUROPEANS, except for those who have never crossed before will QRT. The next TEST, all W/VEs will QRT, except for those who have ^{crossed} crossed before, or worked real DX. On the opposite side ALL, including the "Experts" will listen and try for QSOs with the FIRST TIMERS on the opposite side. The "Regulars" who are to be QRT to give the weaker boys a chance, can either listen, or stay in bed for some much needed sleep!! -- This FT idea was originally suggested by G6PG, then mentioned in WIBB DX BULLETIN, then RSCB/SWM/Etc and ENTHUSIASTICALLY endorsed by many 160 DXers, and after a successful first 1965/66 season, requested again. Here's hoping that ALL of the boys will now cooperate 100% to help these FIRST TIMERS!!! Please pass the word around so that these Special TESTS and procedures will be well known to all, in advance, so that when they do come, quietness and FULL Cooperation will be observed by all the "Regulars" and those who have previously "Crossed" (Last season a FEW regulars QRM'd the "First Timers" needlessly) (Mostly thru error and lack of full advance information) We will all be happy certainly to help some brother HAM to make his first crossing on 160, and have the real thrill that goes with it. It will be interesting to see who can work the most FIRST TIMERS. The DATES for the FIRST TIMERS TESTS are as follows:: For the EUROPEAN/AFRICAN "First Timers", ALL others QRT - DEC 18th and FEB 5th --- W/VE/NA "First Timers", ALL others QRT. JAN 8th and MAR 5th. Times and procedures will be same as for the Annual TRANS'ATL DX TESTS. Those on the opposite side from the "First Timers" should QRX and listen intently until a call to answer is heard. A SPECIAL REQUEST to W/VE/NA stations is to stay below 1820 Kcs so as NOT to QRM the sector 1820-1825 where many Europeans must operate. It is suggested that weak Europeans and Africans use 1823-1827 Kcs as best Fys. Note that the W/VE/NA "First Timers" Dates are in between the regular TRANSATLANTIC TESTS, whereas the Eu/AF "First Timers" TESTS are ON the regular TRANSATLANTIC DX TEST dates. All of the selected Dates, are when good conditions can be expected for weak signals.

RESUME - 1966/1967 SUNDAY MORNING 0500-0730GMT 160 DX TEST DATES

Regular Annual TRANSATLANTIC and WORLDWIDE TESTS

DEC 4th and 18th --- JAN 1st and 15th --- FEB 5th and 19th

Special "FIRST TIMERS" 160 Meter DX Tests

* Europe/Africa --- DEC 18th and FEB 5th

* W/VE/NA ----- JAN 8th and MAR 5th

* ALL those in this area, who have previously worked 160 DX will please QRT, and let the boys who have never worked real DX on 160, enjoy a "Clear Field", without QRM from the "Big-Boys" and regulars!!!

(de/WIBB)

RETROSPECT on '65/66 'ONE-SIXTY' SEASON Last Season was wonderful up to late Feb. when Old Man "Sunspots" lowered the beam with an immense display that paralyzed 160 DX for weeks. The CQ/160 TEST DXwise was almost washed out, and usual volume Dx Contacts not there. This put a big dent in the record, as well as the following much poorer than usual conditions. On Totals, comparing '64/65 W1 wid 168 Different Stns in 29 Cntries - this season, 138 in 28 Countries. A good CQ/160 TEST and Spring would have made the season's results even better than '64/65. That there was much real interest and activity is shown by the No. of Cntries participating. "FIRST TIMERS" nights were popular and resulted in about 20 new low power stns making their first crossing, and from much correspondence it looks like the boys generally want to try "F.T." Tests again. The SWIs were out in full force, with high seas rover G3PLQ/mm, John, turning in exceedingly excellent reports from all over the N. and S. Atlantic, while monitoring most everything that happened on 160.

PROGNOSIS for COMING 1966/67 SEASON We'll hazard a guess that there will be some Excellent Dx wld on 160 - probably not as good as last two seasons, but 'pretty-Good', and with some NEW CNTRY surprises!! The poorer condx are, the more challenge and thrill of accomplishment in working Dx on 160. SOOOOOO dont take down the Inverted VEEs, or IWs just because Sunspot Numbers are increasing - remember DX/160 was even worked during the last Maximum Sunspot Number -- and the Maximum No. this Cycle, is expected to be comparatively low!! So "Let's-GO"!! More on 66/67 schedules/Tests soon.

W1BB-"OFF THE AIR" - TEMPORARILLY!! xyl/Alice/W1DQF and Stew/W1BB will be on a retirement trip/cruise/visit to the ORIENT from OCT1 through FEB 1'67 - so please do not send any mail to arrive during that time. There'll be caretaker here, but he knows nothing about 160/Radio etc, and Mail cannot be forwarded. 'Nuff Sed??? - Sure will miss 160 DXing then. Tried to get permission to work 160/mm on ship, but SS Co turned it down!!

CONGRATULATIONS CX3BH/Horace!!! For FIRST EVER!!! CX/W QSO on 160 when he wkd W1BB/1, JUNE 26 His 229/559 - BB 339/449. This was after "Talk" and Schedules starting 1964. BH/600w, BB/100w. Horace deserves real credit for his "Ear Drum Busting" perseverance through exceptional high QRN which washes our 160 "Down there" in his part of South America, quite Consistently. It is expected he will continue on 160 and make many more 160 boys 'New Country Happy'. (This was BB's No. 92) Incidentally, the "Peak" on BH's signals was only about 15 minutes.

JA ESE HAMS ARE ON 160 AGAIN - CHEERS!!! (De Takeo/JA1CR) Effective June 15th, JAs now have BAND (Rather than spot fy) 1907.5-1912.5KC. 1st Class HAMS/500w, 2nd Class HAMS/100w, "Telegraph" Class 10w, OUTPUT power. (Only 1st class OPs were allowed on 1880 Kc Before). Also, (de JA-CQ and JA1CR) JA3AA hrd W6JTB, RW at 1100z and W/VXO/1200z -, W7VGQ/1114z JAN 23-30! WONDERFUL news!! WHO will be the first, other than West Coast boys to QSO JA land??? Luck!!! G3SED.

SUMMER TRANSATLANTICS GM3VK Hrd W1BB/1, 569-W2IU, 459-WCC, 569 JUL 10 - BB&IU QSO'd G3IZU-IU wkd / G3RAU/mm on S.S. "MALWA" in Mediterranean says WCC/2036 regularly VFB. JUL 9 BB hrd G6SQ, wkd CX3BH Gswl Smith hrd W1BB and W2U. DHJ has been hrd in W/land regularly, but early. Need more stns on. VK5KO/1802k SCHEDULES SEP thru OCT 15!!! (1) EUROPEAN SHORT PATH :: 2000-2100GMT. He wll call 5Min starting on Hr and each 5 Min period thereafter, 1800, 1810 etc & QSX 1800-1860k. Has xtal 1827kc for special EY skeds if requested. (2) USA :: 1045z@1200z TUE/FRI/SAT/SUN BUT CALLING IN ODD 5 MIN periods. If W/Coast or Pacific stns want skeds arnd their local Sunrise time - airmail him/will keep skeds 1.9 or 2.0 Mc. - Is rebuilding his 1934 rig/still doing FB after all these yrs - FB JOHN.

"SILENT KEY" G6QB/Tommy-SW/ DX Editor ;; We are all saddened by his untimely passing May 27th. We all express our sincere sorrow. We shall miss a good friend to 160 boys, and a real Amateur, one who while not himself an "Addict", appreciated the unusual lure of the 160 meter Band to us. He Has helped us all in many ways to use and enjoy the unusual opportunities for increasing knowledge, usefulness and enjoyment inherent in "Top-Band" operating, particularly DXing, by his very superb 160 meter coverage in SWH. This is a severe shock. It is hard to believe it is true. His memory among HAMS will remain - especially we 160 meter chaps.

160 METER SIGNALS HEARD IN KENYA by G3RBP/Roger JULY 10 2321-2345GMT :: G3IZU/449, 2FNT/349, 3LHJ/349, 3SWT/459-6QB/569 -- EI9J - OK2BOB/589!!! - OL4ARM/559. At least 10 Other stations were heard, partially identified. G3ZAY/p-G3SSO??-G3TI??-G3PDQ?? GM3KHH? (Probably was GM3TKM who was on-DHJ/579 Roger is trying to get transmitting license, but prospects look rather slim in this Country! Tax!!

JA w1-3447/HAJIME REPORTS Lists following hrd fm JUN'64 to DEC31'65 giving excellent idea of total JA Activity. JA1CR, BHG, GNE, GTU, DZQ-2NB, JDD, YT, CIR-3AA, JM, ZP, HSA-410, KI, OF-5FE, SL-6AK, AO-8YA U-6DL. Says stations mostly use 807, 6L4G, 813 in final, Powers average 35w but run fm 10-350. (JA6AK is 350). ANTS mostly 40m more or less IW. These short ants believed part of their poor DX results. Thankyou HAJIME for your most interesting and careful report.

GOOD NEWS!! ALASKA/KL7 on 160!! ---- EARL/WSDGP is QSYing to KL7 - left Detroit AUG 1st w/160 gear & expects QRV OCT or NOV. QTH, Shenya Isl. near ATTU on extreme western end Aleutians, half way btwn Anchorage/KL7 & Sapporo/JA. Path w/ be difficult to W/VE Esp. East Coast. Will transmit 1800-181625Kc. (WIRB has suggested to Earl, 1800-05 for W Coast & JA - 1824Kc for E. Coast - Lsn 1800-05). USC has LORAN on ATTU/doesnt know effect on 160 yet. Appld. for KL7 call. QRV/ssb/14222 & CW 140. Pm Aug 4 On. QTH % G.E. Co. APO, Seattle Washington 98736 - - We tax Rolf Rasp PY/SWL for getting Earl interested 160 while Rolf was living Detroit/taking Computer Course. VFB Earl-bom/160!!

BALLOON ANTENNA de DL9KRA/JAN ---- "Tried it for ARRL DX Test FEB27 - Checked airport for winds - friend and I filled balloon w/hydrogen generator/much trouble/supposed to have lots sea water/none/ carried buckets of fresh water/got caustic but finally OK - balloon soared w/260° wire into foggy nite sky-quite vert at first. First CQ brought ~~XXXXXXXXXX~~ 9M4LP !!!! (Sigs so strong thot phonic) Then per supply trbl - then test started - called and called/No Ans - took balloon dwn as wind speed nw putting balloon horizontal -- tried agn next nite - nil - switched to 1W ant. DX contacts at once Had wasted most of my time!! Believe poor results due to sailing balloon from house balcony/100° above gud grd - think vert balloon shud be gud IF directly over good ground" - Tnx Jan - Btr Luck!!

PROPAGATION ZL to W de VK5KO ---- Sez in ltr to BB - "Query re 'My Idea' best time QSO W-1 land. No doubt in MY mind tt it is in the 25 Mins prior to Sunrise at W end -At location - and for 5 to 10 mi mins at most after. I fully appreciate tt sunrise does not follow a definite Longitudinal line from N to S but follows a smooth curve N & S away fm it's Zenith - varying with the months. Follows way t to your ~~WEST~~ WEST, longitudinally, but far South would have sunrise before you, up North. Therefore it is a purely local affair. Naturally the Ionospheric layers follow a somewhat similar - not exact pattern. Somthe max of a W8 a bit south can easily get mixed up with that of a W-1, northerly. The same applies in my morning. Very few Europeans seem to realize that 9M or 9VILP is in the northern hemisphere and is abt 5000 miles fm VK5 on the direct route to G land. A lot of W6/W7 obviously feel ZL is on the way to VK fm W6-actually it is way off. The Eus dont seem to understand, or most of them, why ZL3QX & ZL3RB can wk them in their mornings and I went even bother making skeds. The route in their morning is - from here - way down under Cape Horn into the Auroral Zone with a full 2, 1/2 hours of sunshine away to my East, at their optimum time for receiving from the West. It is therefore not possible to radiate away from here to EAST until at least sundown at any season of the year. I hrd ZL3QX on 1.8 Mc earlier than 40 mins after sunset local here and he was vy weak even then As I see it - it is up to the fellow at the sunrise end to nominate schedule times for long haul transequatorial Dx. For shorter haul wk fm hr approx 2200 miles to ZL3QX, I am sure I could wk hm all the time path was in darkness @ ie - fm abt 40 Mins aftr my Sunset until his sunrise, for abt ten months of the yr. I have compiled a sunrise (My QTH) schedule, i.e. for 35 Degrees South. This is a sked of times when the sun is JUST ON THE HORIZON - NOT the beginning of Civil twilight, as published by Civil Aviation people. In Adelaide (My QTH), the TWILIGHT Chart is the same curve, but SUN on the HORIZON - which is what we are interested in - is approx 40 minutes later." -Tnx John!!!

HERE'S SOME REAL HELP FOR PLANNING 160 DX SCHEDULES - de VE2UQ ---- (Who has been vy successful wkg VK5KO using his tables) --"Knowledge of precise Sunrise/Sunset time is an invaluable aid to any advanced DX Scheduling plans, in order to capitalize on the Dawn/Sunrise peak. In general if the station is to your EAST, you can easily set up times to bracket his sunrise. Similarly, on extreme hops, it is necessary to know how long, and when, the path is in darkness. Tables are available fm VE2UQ but for the asking, covering all major world areas for 1966/1967 periods SEP 15 to DEC 31 -- and JAN 1 to MARCH 31. Sunrise/Sunset times for ANY specific world area not shown on these tables can be supplied" -- If you need this kind of help lining up ur 160 skeds - write Gordy - he'll be glad to help!! Tnx a Mc Gordy OM - appreciate!!!

CONGRATULATIONS JOHN VK5KO ON VFB SEASON QSOing ---- ZL1IMQ-VK2ZC-W8ANO,DGP,HGW,FPO,JIN-WLHGT,BB/1 W3MFW-8FPU-6HRQ-K6ZH-WA6HRE-W7FP-VE2UQ-VE7AKI-9VILP. Your system sure works!!! Best for 66/67!!!

JAPAN -WCC RECEPTION!! ---- From ROGER/KL8ZH/mm Comes interesting reports. --(WIRB/1 scheduled JA6AK for several months on 160 but neither heard the other. Neither could JA6AK hear WCC, not even once.) Roger Sez -"WCC nil in YOKUSEA (100 Mi. S of Tokyo). No trace at all. Also made check in Western Japan in Susebo, also nil!! -- As we left the S. China Sea, WCC came in spotty, vy vy weak just after sunset. I also hrd WCC the evening before we pulled into Gulf of TONKIN (Viet-Nam), but h he in the Gulf - no luck. It seems tt mainland masses drop the weak IF sigs faster per mile than salt water path, which is expected. I'll check in SUBIC BAY, Phillipines soon". Tnx Roger - this kind of info vy vy helpful & interesting. ***** WCC is used by HAMS as a 160 meter "Marker" station and indicator of propogation conditions, the world over. Located on Cape Cod Mass, it operates 24 hours a day on 2036 Kcs sending CW Shins traffic lists and VVVVVVs using 2 KW to a Vert Ant. -- When his sig peaks at your QTH is best time for W1,2,3,4,8, Skeds -- TRY IT!!! WCC is 60 mf

WCC - INTERESTING INCIDENT - WCC --- John Dalton, O.O.T., well known HAM, Ex many licenses, 5-
now K1ZFL, was the operator at WCC who received direct from G3FLQ/mw RO operator off Dakar South
Africa, a "SEA-LETTER" radiogram for W1BB. (Ngs congrats BB Cntry #89QSO w/ 2D7RH which John hrd).
As result this msg K1ZFL visited BB/nice 'eyeball' - says WCC 2036Kc QTH actually South Chatham w/
200' High Vertical antenna. Actually 2.5 Kw. (Incidentally 9V1LP hrd WCC MARCH 12 2310 GMT 339)

K1ZFL/KM6, Roger & xyl Linda VISIT W1BB --- And were enjoyed Vy Much by BB's xyl Alice 'n BB
MAR 22/23 - Discussed KM6/BB QSO - Inspected "The TOWER" - took photos - listened to GM3IGW/a-G3JNL
tape - CQ/TW/TEST 1964 Tape - discussed possible future Pacific 160Dx etc. Roger vy HOT for 160. W1
monitor WCC next trip there. (Correction Pse in No. 4 BULL - KM6 Ant for BB QSO was 100' high, not
1000' and 1500' long). Roger hope to be out of the service early 1967.

SHADOW EDGE de Wa6ATY/BOB --- This has been the best season fr me-65/66- on 160 as I hv wkd and hrd
more DX than any year during the low sunspot cycle. That QSO w/ 9V1LP was the biggest thrill I ever
had on Top Band. Hv hrd VK5KO twice. Both VK5KO & 9V1LP hv peaked at 4 minutes after sunrise here.
My belief tt Pacific crossings R best at sunrise. It proves out the shadow theory, since I hv Bn get
getting up B4 sunup and listening thru Sun-up till abt 20 mins after, I hv hrd more DX than I ever d
did staying up late and listening to the East Coast guys wk DX. On checking clock I find that DX
occurs on the SHADOW_EDGE Passes. --- After yrs foolin arnd w/ Coax Fea devices, I'm gg bk to the
30's w/tuned feeders and get every bit tt current up on top. My 90' VERTICAL has proved a great
FLOP for DX. Tnx Bob - best wishes for HAPPY DXing 66/67 w/ tt open wire feed system!!!

"IT WAS ABSOLUTELY FANTASTIC!!!" - RIGHT!!! --- (Letter de 9V1LP) "One of the ARRL TEST Stns I wkd
was Wa6ATY - QRN was Murderous that nite and was barely able catch him - getting only a letter now
and then. I had call logged as Wa6ATO at first. IT WAS ABSOLUTELY FANTASTIC how Wa6AT would come thr
thru clearly every time for 10 minutes in a row. But each time the last letter would be completely
swallowed up by a huge crash of static!!! Darned exasperating!!!" ---W1BB has noticed this effect
also working weak Eu low stns thru QRN - sometimes, it seems one would NEVER get that one missing
letter. Anyone else notice this?? Tnx Bob - Someone must hv tt QRN timed. (Bob was in USA/nw back)

PEAKING TIME IN NB Land -de HB9CM --- "I again observed this - DAYBREAK here is now 0602Z. At 0615
can read LOG-BOOK without a lamp. The W stns peak between 0620-0640, (W1HGT,W8HGW both 569) NOW!!
suddenly the band becomes quiet - almost as mid-day, - made two G QSOs, both sides S5 - DHJ/S4 -
th band went completely DEAD!!! (Exceptionally interesting - Tnx Philo.

"WAS" for W1BB --- Thanks to W5IQM, Jack Shelton, Baton Rouge, W1BB was able to work his last, &
No. 50 State QSO for WAS. This thru S9 plus QRN, Jack/369 - BB/479!! (BB has wkd all VE except VE)

SUMMER PROPOGATION NORTH/SOUTH PATH de PY/SWL ROLF RASP **** Rolf started a project, checking WCC
every night and keeping records between 0500-0600Z. "I think US HAMS should not give QRN as an excuse
fr nt trying Summer DX - think of us here in tropic zone - we hv summer always, but QRN does not
keep us fm trying. WCC is in every night thus far S3/7. Occasionally HAMS are stranger than WCC -
so I firmly believe band wl be open all summer. (Looking fr ur rpts Rolf) - (BB wkd GX3BH in June)

"A NIGHT TO REMEMBER" by 160 meter PY/swl/1 ROLF RASP and FRIEND FRED FYINFC!!! Rio De Janiero, Brazil
Rolf and Fred found a VFB Rx QTH fr 160 & otr bands - outside town on hilltop - via BUS, quite sum
distance fm home. Early Sat AM MAR 26 hung up nice 160 Rx ant - took 3 hrs - looked real nice - Coax
in centr supported by Tree --- took bus home at noontime, to rest in afternoon & Come bk 6PM Bus to
tune in on DX contest. Meanwhile real S9 plus plus thunder/lightnig storm came up - when they got
back to site on hill - found ant down. ALL THAT WORK FOR NIL!!! Tree blew dwn in storm/broke #14
wire. Still had 40 ans 20 meter ants up so wkd ARRL TEST. After 5 QSOs, filter Cap. in Tx shorted -
fixed this. Then pre/Amp control sw busted - no spares--so went w/o, THEN 75S3 blew AF tube - then
Fred's electronic keyer started keying all by itself/couldnt stop it -- so packed up - started
sliding dwn hill on slippery grass - raining like "H" - 10 PM - holding equipment both hands,
umbrella, flashlight etc. Waited half hour in rain for bus - another half hour for connecting bus -
got home midnight - fixed 75S3 - but found HF bands washed out by QRN!! Phew!!!! --- Now has 160
Rx ant up agn w/precautions - wl hv SWR 1/1 - wl listen 1st Sunday every Month during summer - hopes
hv car soon. SAD STORY!!!! FUN eh??? APR 23 hrd W1BB/1-459,,W2GGL/569,,W2IU/459,,VE3DDR/459

de ZL3RB/Mick FAITHFUL OT 160 DXer --- "Hv bn on 160 MARCH fr EU stns 0600-0700Z. Hrd/wld G3OQR,SR
SED,RPB,CFV,SVD,PU,UQD all solid QSOs. Occasionally Ws QRM'd the Gs -- Hrd VE2UQ,WALCAG,W8PHJ. Rec'd
G/1 report my QSO w/DLIFF for a time and date I wasnt on!!!" - Tnx Mick Vy FB - Best fr 66/67.

1965/1966's GROF OF "PHONIES" --- FASLP-UA9KJD-UA2AL/wkd many Eus-ZN7AA-IS1FR/s9 in Eu -F5DP-
SP9LP - IIZ. Characteristic of most phonies - their calls most always NOT in call book)

NEW TECHNIQUE FOR WORKING DX ON 160 - de K3EKO --- "There seems to be a new technique for raising
DX on 160 - Just open mouth wide as possible and YELL - just keep yelling at everything - whether
it's there or not - makes no difference - DONT LISTEN - Just keep yelling - AMEN" !!!!!

THE ARRL DX TEST - AND CONDITIONS --- The first section FEB 26/27 was not blessed with very good comx - nevertheless quite a few DX QSOs resulted. G-MP-NI-6Y5-GI-VP9-DL-OK-HB were whd. The second section MAR 26/27 was much POORER - only one or two TRANSATLANTIC DX contacts were made. However, VP2WV/Dean, a new country for most, created quite a stir between 0200-0300 the 27th whg mnt many after being on the previous weekend for his debut on 160. Dean finally overcame many obstacles to put a very creditable 30 watts sig into a half wave ant. K3EKO sez "Suppose you know we had a TRAFFIC SUNSPOT 35,000 miles across, starting March 15th, bringing much X-ray noise etc with radio disturbances of varying magnitude still continuing to lesser degree for many weeks. Without doubt, this, is what fouled up the ARRL DX Test, far as 160 was concerned.

DON MILLER's (W9WNV) FLING AT 160 MAR 26/27-ARRL Test ---- Started with high hopes to wk many Ws - However, 'Not so Good' - Sez: "Boy am I burned up! Spent 2 Hrs on 160 - W1BB/1 S7/26th, 1030 also S5/27th 1000z - also hrd W3HEK, 4KFC. WORKED one!! W6RW/S7. Principle trouble - lots VK QRM hr on 160. Nice try DON/Tnx!! --At W/Ve end no sigs hrd except by W6RW. We had QRM hr/Bad. Ws old VK5EO and CQ on Don's fy - shudnt b tt way - bit 'tix - what can we do???

FIRST TIMERS TESTS - A FEW COMMENTS --- (Not room to print 'em all) W1HGT: "Am in favor of FT nights" -- WEDGP: "March 6th was a real good day for me -FT/TEST - QSO'd G3RFB for my 1st DX outside USA - then K7MHW for State No. 46, and crowning glory VK5KO at 1155z!!" --- DL9KRA: "In favor of the continuation of FT tests - it will be fascinating to see what can be done in the presence of sunspots" Gswl/Vic Lindgren: "I think FT Tests should be run again - a new Eu stn given a chance to wk across receives a great thrill of achievement - we cannot let this pass or I think 160 would go stale on us/no new blood - OK,, My Opinion" ---- G3PLQ/wa: "Seriously, I'd like to see FT Tests continued as thry brought out the true 160 spirit this season - I'll also be able to hv a "go" next year - If announcement is made in advance no one should complain, or cause QRM" --- OLIAGS: "The tests should continue - I shall be preparing for them all summer" ---- 6Y5FH "I'm all in favor of 1st timers nights again - It's a GREAT idea" ---- VE3DU "By all means - keep up the FT Nights" ---- WA2KHL: " FT nights a VERY good idea - w1 take part nxt yr" -- and so they go, these comments - not one comment against FT Nights. W1BB: "Big thrill to hear and work EUs nvr hrd B4 and realize the kick those boys were getting , to cross on 160 for first time. Glad to QRM"

MISCELLANEOUS TOP BAND NEWS ITEMS

HP/PHILO GANDER WINS AWARD For highly commended article in INTERADIO, /the annual IARC , entitled "THE FORLORN 160 BAND" - Congrats Philo!! @ W5ANO-CONGRATS WALDO - Wkd 54 Foreign QSOs in 18 entries since 1st Nov which is VFB for 8th District, or for ANY District!!! @ ONLY EU/JA QSO Congrats Arrain for DL/JA QSO DEC '64. - urS7/JAS5 @ VE7AKI/SID--"No DX hrd or wkd fm hr this winter going to 80/40/20/15/10 - there isnt enough CW activity out hr on 160 any more!! Sri Sid (Sid did pretty well on CQ DX TEST however!!) @ NEW COMER WEDGP--Sez "Am quite new on 160 - Rolf Rasp got me interested - hv found 160 DXing an interesting and chellengine experience. W/home brew hv wkd HR HR3HH, 6Y5XG, H18XAL, CO2BO, G3RFB, VK5KO. Hrd by 9LJHX. Hrd HPLIE, DL1FF, H44EB, W1PZJ/KP4, 9LJHX. That 160 local band. Nv hv 8 Cntries, wkd 3 Cont. VK5KO peaks almost every weekend local sunrise time plus on minus 5 minutes, lasting for about 10 minutes - high as 579! NOW!!! we have the good word that Earl w1 B in KL7 for 12 Mos - after that TURKEY!! See Bull herin elsewhere p4. @ G3OIT/Keith--~~W1BB~~ Finishing B.A. College then to B. LIH and D. PHIL!! Has new VFB QTH ~~with~~ with 260' LW over lake, high at both ends - wkd BB MAR6, 1st try w/8Watts @ NON-DX SEEKER W5IQM-- Gets SWL ord fm S. Africa SWL ZS5/052 covering his local W/W QSO w.W1BB 3/16/60 - his sigs 339 - sez "Iwas pleasantly suprised my 50w would go so far - my ant runs 75' Vert and then horiz to tree" vfb Jack!! @ W2QHH ex ARDENT DXer HEARD FROM -- Holder of more certificates and DX records than any other QRP/w, Sez "Want DX much on 160 now - noise level my QTH terriffic - need ASIA Badly for WAG/160-pse QW". W1 Do Howy. RE LUXEMBOURG/LX de DL9KRA--"I requested permission to operate 160/turned dwn --"LX like France, Belgium & Otrs just does not allow operation on 160." Good try Jan!! Jan plans to make transistor 160 rig to carry "hither and Yon" on his "Fly-Boy" travels abt world for German Airways, We'll hear fm Jan sun day as real RARE DX!!! @ WONDERFUL---to hear fm ardent DXer W6ML (Ex W6KIP) who bn travelling Mexico - Visited XES-20K, FO, WY, BEC. Sze FB HAMS but not on 160 - Tnx Alex/HAPPY Trips!!! W1HGT/RALPH---"March disappointing, bt got 2 new ones ZB2AM & CO2BO. Hrd 9HIAE 1827 26th no/QSO. (Everyone feels MARCH N.G. - tt 35,000 mile wide sunspot did it!!!) @ 6Y5RA/p JAMAICA RED CROSS RADIO ASSOC-"Dec" Came on air 17APR w/FB Sig 1804k fm full wve ant 40' high on hill in Mandervill. Cy "DCU", also Pete 6Y5AG. QSO'd W2IU, VE2UQ, W1BB & Otrs. Nice wk boys. @ Gswl/Vic Lindgren---After V1 season is enlisting RAP as wireless Op - "Wlhear what the 160 gang sound like fm ARDEN, Hong-Kon etc" We'll b waitin fr ur rpts vic @ FLORIDA and 160 de W4WHK (Ex W1PTO)---Sez "160 interest slowly picking up in Fla. and w1 promote thru FLORIDA SKIP Mag column w/news & Constr articles etc - On FEB 20 I wkd DL1FF, got ~~459~~ 459 gve 579, then wkd GI3OQR, G3RFB and got S8 fm HB/DX. Hv 16 Cntr entries DXCC and 13 States WAS all w/25w - Hv pland for 66/67, Like nailing ZD7IP" - DO IT DAVE!!!

KENYA/G3RCA---Roger left England MAY 26/ARR Kenya, Nairobi JUN15 - hopes get license & put this 7.
rare & New Entry on 160 DX map - w/ B hr few Mos then may go to other new 160 entries too-LUCK!!
ANTIOCH DX SOCIETY (deK6PJK-WA6ITH-WA6GJW). Station W6JTB w/Inverted Vee/apex, 100', ends 40' High
was old by 9LHX many times on 1827 during CQ Test - NO QSO ! Sri. - A few otr outstanding Ws hrd
by ANTIOCH W/VXO, KSIQ, K9BGL, W2UWD, FYT, W8GDF, VE2LI, VE3UQ, W1HGT, BB, WY, W3EIS - They QSO'd KM6DJ
& G/swl rpt 569 for an hour - GREAT GUNS!! Congrats Boys!!! G3RAU/mm-DEREK---Continues to
pr the high seas as R.O. SS MADWA -sez when gets home he & G3OLI, TKF, RPB planning 160 DXpedition
to Eu - almost came up/visit sun Ws but diverted - Derek w/ B remembered fr his VFB DX on 160 since
1963 W8KPY/ED-(Ex W8ED/Vietnam)--- has returned/was unable get on 160 - hopes go as DX agn in
yr & w/ keep us informed. FB!!! deG3PLQ/mm-John-ROVING HIGH SEAS SWLer.---"This season 65/66,
overall has been really marvelous - enjoyed my Canadian/USA trip-"To all 160 DXers in 65/66 season,
& to those I had wonderful pleasure meeting, 73/many tks/bcmu agn nxt yr. MY STATISTICS:: Total
1964-1966, IQSY swl/hrd/SUMMARY-- 209Gs, 1-GC, GM GD, HP1, HR3, JA, NS1, VP2, VP3, CX, HK, 4UL, 6Y5--2, 9LI,
ZD7, EI, PA, VO-THREE ZB2, HB-SIX GI, OE-EIGHT DL/DJ-NINE, GM-11-VE-12, CW-52-OK/OL - 94, W/K."A real
wonderful record John!!! OLIAGS/MICHAEL and OL6ACY/KAREL---are getting ready this summer for 66
66/67 DXing-look for them!! 6YXG/6Y5XG-PETER---Now as G3HVG sends best regards to all his many
friends - had his LAST Jamaican QSOs fm club stn 6Y5RA/p APR 16 - wkd VE2UQ, W2IU, W1BB/1, 6Y5FH and K
K3NFV. His memorable signal w/ B missed - but 6Y5FH carries on fm 6Y5 land. 6Y5FH/FRANK--- the
"Understudy" of 6Y5XG/Peter also is leaving Jamaica OCT'66-sorry to say-and w/ also become a "G".
Frank leaves w/DL1FF QSL fr QSO this season - FB!! Miss 'yuh Frank. deH1KAL---"Sorry not more
active this yr. Getting up towers/ants delayed - cud only use 140' wire, 35' high - w/ B on 66/67
w/tower, LW and Inverted Vee - Tower 130' High and maybe radials-hope wk Eu. Was plagued w/Banger
trble - 3 component failures twice in ARRL Test/ once CQ Test. Hrd 9LHX and ptr EUs - wkd W6RW &
K3EKO. NOTE!!! H13PC is also on 160!! Regards to Gang" Fred Lam. deOELIKU---Announces new 160
"AWARD" "WFX-15". (Worked prefixes Zone 15). You must work 3 Countries, 8 Prefixes, in Zone 15
from OH, UA2, UR2, UQ2, UP2, SP, OK, OE, YU, HA, ZA, ZB1, FC, HVL, IS1, IT1, I, MI - CW/AM/SSB/MIXED - send signed G
GCR list, signed by your club, or by two amateurs. QSLs must be after JAN 1 1958 - cost is 10 IR
IRCs - from OELIU ERNST REISENAUER - POBox 24 - 1171 Vienna, Austria. A WAOE 160 Diploma also
available/Rules later - Tnx Willey W/VXO/HERB---lost his twer in 70 MPH wind in APRIL - now has
new one topped off at 132ft WOW!! vfb. de VK5KO---"Will nvr forget that night MAR 19 1964 when
I QSO'd VE2UQ on 160. xyl quite sick/had called Dr/while waiting xyl Eileen suggested I "Listen-in"
fr mins - switched on and THERE WAS VE2UQ S6 elg CQ DX -- that I must be dreaming - just then
Dr. arrived & it was 30 mins B4 I got back on - I switched on Tx & without listening first, called
VE2UQ -- he came right back on an otherwise DEAD band -- Eileen got big kick too - in spite of her
illness" ---- Most unusual John & Congrats to U both!!! "FEB 26-MAR27 this yr wks 14 Eastern Ws
& 6 Western Ws - total 20. LAST YEAR FEB28/MAR28 QSO'd 26 Ws. My total QSOs outside VK since '63 to
totals 67. MAR 13th this yr QSO'd 5 Ws on 160 but cudnt raise single one on 80. On 40 Sigs Vy weak
STRANGE" Nice wk John - sorry xyl has now passed on - a REAL Ham's xyl!!! Gswl/George Allen/VK
who has been SWling 160 since 1952 moved to VK in '65. Nw settled in BALGA near PERTH - reports a
Wonderful QTH fr DX, At 64 yrs took job w/Electronic Industries Ltd - his HRO intact - No 1.8 hrd
yet -DHJ BBS 3/20 349 and 3/27-229 w/Inverted V, apex 30'. Hrd Bermuda VRT LKW 500Kc the exact
antipode yo Perth at 0100 - UNUSUAL!! (Daylight at Bermuda/1300 local. Wonder what would happen on
1.8 Mc???) G5JU/JERRY---G/swl Allen reports Jerry's passing to "Silent-Key" Status - no further
details - ALL w/ miss Jerry, an ardent 160 DXer since 1953. It was Jerry who first suggested that
TRANSATLANTIX 160 DX might B possible at W/VE SUNSET times - which has subsequently proved true,
often better than European DAWN peak. He ardently supported the TRANSATLANTICS and IQSY - 160 wont
be the same without Jerry 160 DEPEDITION to ALDERNEY, CHANNEL ISLS (Guernsey "CC")--G3POI/FOC/
Clive with a group of other HAMS went there principally to win RSCB Field Day - but covered 160
also G3POI and G3IZU. However at this time no results reported as yet. W7FP/K7FP---"LS" says
w/ B on this season and tt KA2DJ/Yokohama, Japan hopes to be on 1880Kcs w/250 Watts also!!!
W3AJS/ED--- Been/1 at Bar Harbor this summer at FB Shack of KLSRE an O.T. and wkd quite sun 160
Htrs. VE3LU, W1BB/1, W4SDUL, WA8SIQ, W/VXO, KLLZV, W1NTX, K2GAL, W2GNC, W2HU, W2IWH/2, W200, W8HD/8, W9IMS Hrd W
VE2UQ & W2IU. Cudnt hear the Cs, but sure had fun!! Used 40 mtr dblt w/feeders tied together
using 30 watts. Also trip to Cal. Talked with Ex W6KIP, Alex now W6ML, who he sez has been QRM'd
ofv 160 by power line noise there - apparently all Insulators have high corona losses and noise,
and so vy little W6 activity except for few local fones -- too bad!!! We Miss Alex!! WOPSF/Larry
W lted Herb W/VXO, sez he has FABULOUS antenna for 160. Larry had bad windstorm but his 3000' wire
still up. Moving nxt summer to new QTH with btr Antenna farm area. CORRESPONDENCE---Indicates
that several new countries may be heard from this season, from places where HAMS have expressed
some interest and contemplate activity on 160. While many times this interest doesnt find
fruition for one reason or another, in actual activity - we will hope confidently and just
"Wait and See" - or should we say "Wait and listen" ??? G3UEN/Steve--- Made it across for his
1st W to W1BB/1 8/28/66 to get a 439-329 report w/9 Watts!!! using 240' LW Ant 60' High.

PY/swl/Rolf:::

THANKYOU for your wonderful letter March 12th - sure was nice to hear from you again at "Long-Last" -- thanks for your comments - yes we made back all OK after a fabulous trip - only trouble - was snowed under here with things to do after being away 3 1/2 months - am not out from under yet!!!

,HERE is all the latest for you - and got a bit in re you on page 6 near the middle.

AM SCHEDULING YOUR PAL W8DGP/Earl as KL7FRY every week now on 1803 kcs trying to see if possible to QSO Japan - and Alaska from WI land. Earl is really "Gung-Ho" for 160 now - thanks to you.

HERB had a nice time on his DXpedition - and wasnt it fortunate he did work some from your QTH.

WELL Rolf - HAPPY SWLing and one of these days we hope to have you on the air with us in person.

KEEP up the COMPUTER work -

HAPPY DAYS - HAPPY HAMMING - 73 de Stew/WLBB and b.c.n.u.!!!! + TNX
Keep up THE WORK
NICE 160 m/y 160 QSO!!!
For 1966/1967 - No. 2

ok

WLBB - 160 METER DX BULLETIN - WLBB

APRIL 20, 1967

to WLBB/Stew --- HELLO Gang!!! Thanks for the "Welcome back", from so many of you - and believe me it IS good to be back and "Up & At" 160 DX again!!! ----- What a VFD suprise - Got home on Sat Night Jan 20th - Sat 3PM visited the "Tower" - found ant. still flying high & secure - turned on rig - PERFECT!! Exactly as I left it 3 1/2 months ago - SWR 1/1 --- At 0245h 21st FIRST QSO contacted ZD4J/not QSO then-but minutes later, made it "Solid" for a new Country!! Cheers!! THEN worked G2SED, DL1FF, W1FZJ/HTA - Hrd HUBAL and ended up QSOing good old Chas/HZKQS. However, Alas!! joys are counterbalanced by sorrows - MISSED SHOKK/Roger, G2RBP who was coming thru 579 and wld VIDEO while I was QRL sending "First-Timers" QST. CONGRATS to VIDEO/Herb for a resounding FIRST!! He tho't SHOKK a phoney!! ----- Had a wonderful trip, made doubly pleasant and rewarding by the many fine HAMS all along the route. Many kind JAs, to be covered separately. W6YY/John(M), W7DL/Bob, W7SPA/Gordon, W7WV/Harvey, W7CDH/John, W7RHI/Al, W7VXO/Herb, K7DUF/Tony, W4GKR/Earl, W7PSP/Al, KR6LJ/Hosee-KH6OU/Chas-KH6XZ/Bill and others Ships R.O. W6GCB etc. ----- Was sorry to learn "Conditions been vary poor" while was away, at least to Eastwards. Westwards across the Pacific however, based on monitoring the band myself with an R4A Rx, "Cobrix" were VERY good - off and on as is usual - we never have conditions good ALL the time, but those who rec'd WLBB's col rptc will testify. Cobrix werent too bad!! Marker stations W00/2036/Max, KH1/2045/SF and WNU/2048/New Orleans were covered also. Ws SKXG, GWX, MLI, JRA, BEG, ML, FBR, 7EM, DOL, SHCN, W7VXO, CDH and Ks-6AKP, 7ZQV, MMF, 9RAN were hrd far across the Pacific, some with excellent signals. (Pity I couldnt have had a Tx!!!).

----- Follows: I apologize sincerely for the lateness of this Bulletin!!! Daydreaming of getting back into the swing of things, on my way home, it was my intention to sit right down and get this BULL #2 (66/67) out at once!!! However - it haent been possible. WISH you could have seen my dining room table, without exaggeration, about a foot deep with mail!!! (Can prove it with photos) Been trying to unscramble that and other DEMANDING matters requiring immediate attention ever since while reserving a little time for DXing myself. SOOOOOOOOOO vary very vary sorry fellows, but thanks a million for your patience and understanding. If anyone wants to prove it for himself - go away for 3 1/2 Months!!! The trip was worth it - but it is a problem. ----- The TRIP will be covered by three, and possibly four reports. The first one being "JAPAN 160 REPORT", then HAWAII, and SEATTLE, and possibly WLBB SHIP's RECEIVING LOG/comments. The Bulletin as usual contains "Chatter" and DATA from here and there. Since things were a bit "mired-up" here, the BULL will not cover chronologically week by week happenings, only the outstanding ones.

----- SINCE it is rather late in the season, let me wish each one of you a most HAPPY SUMMER and will b.c.n.u. full of pep-win-vigor for the coming 67/68 Season. Some folks say cobrix gg b "winer" on 160 - I don't believe it - DX will be down, yes, but there's going to be a lot worked including some new countries, I'm sure!!!
73/Stew/WLBB
10/2

The Radio Amateurs of JAPAN, "Rolled out the Red carpet", for visiting 160 Meter enthusiast W1BB and xyl W1DQF/Alice. The JAs were most courteous, kind, alert, helpful and interested. We were greatly honored by this hospitality and kindness.

JALCR/Takeo-long time booster of 160, (10yrs), arranged a J.A.R.L./160 meeting at ASIA CENTER, Tokyo, Dec. 10th. President JALFG, Mr. Kenichi Kajii, who has successfully sparked JARL efforts, first in obtaining a spot of 1280kc, and now a BAND, 1907 $\frac{1}{2}$ -1912 $\frac{1}{2}$ Kc attended. JA6AK, Shinohara "Hao", well known LF 40/80/160 DXer - who has already worked W6 on 160 travelled 700 miles round trip to attend. Also present were JAs: AA/Hisao, AN/Hara, LEJ/ExJ2KJ/Takashi, editor of Radio Handbook, EQZ/Tetsugi, PVK/Masakazu, (who has wkd KL7FRY and others), GRE/Koh, BHG/Atsuyuki, APT/Takashi, (who projected slides), GBJ/Usui, 3477/Swl/Hajime and 6459/Swl/Noboro who traveled 80 miles round trip to attend.

73 and QSLs were exchanged - then a "Toast" to DXing on 160, and refreshments. W1BB conveyed greetings from W/VE/160 boys - gave short talk and showed color slides of 160 interest. A JARL emblem pin, also FAN with everyone's Call and Name on it were presented W1BB and xyl Alice. JALFVK proudly displayed his FIRST EVER Dec. 3 '66 JA/KL7FRY 160/QSO QSL!! ALL, hope to increase their 160 activity, although many are handicapped by high noise level in highly residential or Comm'l. areas, and also limited by small space available for antennas. KYOTO

DEC 12th - after a delightful 2,3/4 hour ride on Japan's NTL BULLET, "SUPER-EXPRESS" train, averaging 120 MPH over 320 miles between stops, peaking 89 at 150 MPH - W1BB and xyl/W1DQF were met at Kyoto station by another 160 Group of JAs arranged by HVC/Masa, headed by JA Radio Inspector JA3AA/Isaji, (Very Interested 160), also EGG/Hajime, (An Excellent interpreter when needed), EGD/Yushi, (who supplied car and piloted our tour), Old Timer AH/Syoji, (Will try 160). JM/Akie, who had "TOP BANDER", worked all JA/160-VFB!!!, DOG/YU, ART/"Kazu", GKP/"Kuni", ECR/Yasuhuro, GNO/Kojita ----- After having a Coke, we inspected their VFB all-band ~~EMERGENCY~~ Amateur Radio Club Emergency Stn. JA3YAQ at Red Cross Hq. Then the same group went to JA3HVC's vfb QTH. Tea and Cakes were served Japanese style by HVC's kind folks, with exquisite Japanese Doll/Glass case gift to DQF/Alice-BB. After visiting KYOTO TOWER, we "Super-Expressed" it back to Tokyo, reliving our most memorable visit. JA3AA said he would activate on 160 from a coastal location with good antenna and Tx. He did just this and has done excellently on 160. Many of the other boys vowed increasing activity on 160.

An unusually pleasing and surprise EVENT occurred when BB and xyl had the great pleasure of having a future HAM (Exam this April), JAL-6456/swl, Noboro Matsuzaka, step up to us as were waiting on a train platform, in the Country, at OFSUKI, Near Mt. Fujiyama, asking if we were W1BB and xyl whose photos he had seen in Japanese CQ Magazine. An interesting hours conversation ensued on the train. NOBORO subsequently travelled 80 miles to attend the TOKYO/JARL/160 meeting at ASIA CENTER.

Other JAPAN HIGHLIGHTS were: Visit to JARL Hq station JARL and QSL Bureau, (vfb Job), meeting JALBNJ/U.Usui in charge. An exceptionally interesting tour through NHK, TV/RADIO Central, Tokyo, personally conducted by JALFHK/Kazuo Kusakabe, who came to work 2 hours early, especially for this. (Both visits were arranged and accompanied by JALEQZ/Ted) ----- Then a wonderful visit to JALCR's "Shack" with Tea, Dinner, Photos, Meet vfb/XYL/JALCR and "W1BB-Girl" Akito, 3 $\frac{1}{2}$ years, who can say "W1BB" in English!!! Space limits Takeo's 160 meter work, but he "Plugs" 160 for us constantly through Japanese JARL and CQ Radio Magazines. ----- MEETING Ex JA2KJ, Now JALLKJ/Takashi Morimura, first ever J worked by W1BB in 1935, (on 20), then rec'd his fine China Bric-a-Brac vase/QSL with Mt. Fujiyama and J2KJ call letters glazed on it. This unusual and precious QSL has been of great interest and pleasure, and admired by W1BB shack visitors every since 1935. Was also J2KJ's guest at Dinner/vfb!! ----- Finally, many nice trips around Tokyo with JALEQZ/"Ted".. Visited fabulous ARABARA ARCADE, TV/HAM/Electrical shopping center, - Tokyo Tower, ZOJOJI Temple, the GINZA, Subway train ride, JUDO and many other interesting things. TETSUGI/JALEQZ, was a warm and constant friend, and did all this through his school examination period, still getting grade of "Excellent" on all his papers!! W1BB had the pleasure of his visit at W1BB last summer, while he was an "Exchange Student" in the USA. Additionally, BB and xyl enjoyed dinner as guest with ~~W1BB~~ entire family, "Ted's" Father, Mother, Brother - and received gratefully their kind gifts.

It should also be mentioned that while in KYOTO we visited the HAM Radio Store of JA3YIC/FB. ALL of the people and especially HAMS that we met in Japan were most kind and helpful - so much so, that when the time came to say "Sayonara", it was "With tears in our eyes" that we left JA. We shall never forget all their kindnesses.

Regarding the future of 160 in JAPAN. An excellent beginning has been made, and much interest is shown. Quite surely, many more QSOs will be made, particularly with WEST Coast USA Stns, Alaska, and South Pacific Countries. The EAST Coast USA is still problematical, especially with increasing sunspot numbers, and since the JA/W-VE/1,2,3, propagation path leads too close to the NORTH Pole, with the high absorption of LF signals in that area. W1BB's receiving beats across the Pacific, aboard ship, also thru the South and East China Seas, showed that WCC, Cape Cod, Mass - the

W/ve-123 area "Marker" station's 2KW signals disappear about 1000 miles West of HAWAII, which is still about 2400 Miles from Japan. (KPH/2045Kc from SF Cal. comes in all over Pacific area including JA/land regularly with excellent strength). JA6AK/Thue who has listened intently for WCC' 2036 ke sigs, has NEVER heard them. He feels the alternate route to W/VE 123 via Europe may possibly be bit and intends some tests. (He is ardent 80m LF Dxer w/ lots info and experience). He has wkd DLLFF, be hrd by GI - altho this is far short of getting to W/VE-123 via that path - this idea will be investigated. While W1BB's receiving tests going over across the Pacific indicated that WCC did disappear 1000 miles W of Hawaii, on the return trip WCC's signal "Traces" were actually heard 119/229 at 1000 Miles W Hawaii. We have a JA/Sw1 rpt of WCC 339. KA9KA sez there is strong teletype on 2038 Kes making WCC reception difficult if not impossible, except with highly selective audio filters. KL7FRY, 1500 Miles from JA has hrd WCC RST up to 569 in March. Therefore it is barely possible, although not too probable, that WCC and W/VE-123 Hams MIGHT reach JA under most favorable and unusual conditions. This is probably the hardest 160 meter path QSOs have ever been attempted on JA3AA who has excellent QTH, Ant, Tx etc available in fairly quiet QTH at seashore intends giving it a good try, as well as JA6AK - to QSO W/VE-123 one way or another, sometime!! LOOK for JAs on 160 at all times over a darkness path, especially at their sunrise time, or sunset times, and particularly our SUNRISE time, for a possible surprise QSO, and particularly during DX Contests. These JA boys are keen and excellent DX operators, and IF it can be done, they'll do it. CERTAINLY the FIRST/EVER W/VE-123 QSO on 160, will be a most memorable one, and go down in 160 meter DX History as an outstanding event in Amateur Radio!!!! NOW -- let's take a look at the "RECORD" -----

JA/sw1-JAS/1297 MONITORS WCC - in an effort to develop information helpful to possible JA/W123 QSO someday on 160 MASAHARA OKI using 160 long wire ant logged WVV 11/13/66 1635-1641 JST RST 339 This is helpful as it indicates an East Coast W Stn COULD reach JA under right conditions.

JALPVK/MASA --University Student - 22yrs age - has done an outstanding job, putting JA/land on the 160 meter DX Map This started by his FIRST EVER JA/KL Qso with KL7FRY, 1898k, 459 12/2/66 0850z receiving rst 57/89, his 1910k. Following this he QSO'd VE7AKI dec19 1545z the FIRST EVER JA/VE QSO recorded. Then JAN 15'67 W7FP 1543z receiving 239/349. He is an ardent student of propagation condx on 160 making charts of KPH/2045k/SF sig strengths (JAN13 was 9 plus 20DB-1420z) to find best peak times, (1400-1500z). Watch for him. CONGRATULATIONS TO MASA!! who uses 35 watts - 90' str loaded ve ver Collins TC-5-7 modified Rx w/2 Mosh filters and 6CW4 Preselector.

"STEPPING STONE" TO JAPAN - KL7FRY/Earl - Shemya Isl./Aleutians - 1500 Miles fm JA - has done a lot to encourage JAs - worked JALPVK DEC 2'66, since then JA3AA, JM-JA1BH, RST and KA9AK/MF in March. Hears WCC frequently - sometimes up to 569 and KPH 9 Plus 20DB. W1BB monitored KL7FRY all the way across Pacific/his signal VFB -he uses 800' LW and hopes to make it 2000'. He has QSO'd KA9AK/MF also on phone for a FIRST EVER. Signals usually GOOD btwn KL7/JA. KL7FRY now looking for East Coast USA Stns every SAT & SUN 0930-1100z. His TX and QSX fy both 1803 Kes approx plus or minus 2 Ke. He CQs first and even 5 min periods, listening odd 5 min periods for calls. Set your clock CAREFULLY!!! Else all will be SNAFU. Earl wks W coast easily W7DL7, W6JTB, VE7AKI, W7FP etc - hrd 9VILP, VE5KO, W7VIO

JA3AA/ISAJI -- CONGRATULATIONS and many THANKS!! Promised W1BB at Kyoto meeting/160 DEC12, would put good signal on 160 fm excellent shore QTH w/FB Vert Ant. HAS DONE SO - and QSO'd W6c and W7s (Wa6ATY) - and especially W7DOL/7-Roy in ARIZONA, successfully, 4 times in a row FEB7,8,9,-10 - maybe more times. AA on 1910 Ke got "S7" peak rpts fm Roy 1908 using 85" top loaded Vert.(Roy). MUCH credit due JA3AA for his patience/perseverance/fortitude and ability to do this. Well Done!!! we sincerely hope that he keeps up this good work regularly!!!

KA9AK/MF-"Cas" CASWELL - w/USAS deserves real commendation for his DXing on 160. He wkd (CQ TEX) 9VILP, KL7FRY (CW&SSB), W7DL, W7FP. Hrd W6YY-ZL3RB/1898-ZL1MQ/1895 and VK5KO/1803. He hears weak carriers on 1910 Ke and stays away from 1910 Ke. Band peaks to W Coast 1415z and for W8s 1130-1230z. There are quite a few JAs on or about 1910 K having local QSOs. Tells Ws to stay away from 1805, 1895, 1900, 1902, 1910, 1915-18, 1995K-QRM these fys. Cas monitoring for WCC also - no rpts as yet.

MANY W's ARE HOPING TO QSO JA/land - Especially Easterners. W9PNE.Brice sez "In two months of JA/skeds-not a peep heard". -----W8GDQ and W8ANO have tried w/o results. ---- W1BB/1 tried special skeds w/JA6AK for several months in 1966/not a peep!! JA6AK did not hr WCC even once. Has tried 1967 skeds/no results. --- Incidentally the furthest East KL7FRY has QSO'd is W7VIO (Congrats Herb) and hrd W8ANO. To QSO East Coast/JA is a real TUFFIE!!!

OTHER INFORMATION??? - Undoubtedly there is information W1BB has missed and errors or omissions. If so please drop a note -we want to keep the "Record" straight - THANKS a lot.

CONCLUDING -,BB feels that part of his mission to JA/land - that of trying to encourage more activity on 160 has been accomplished. -- NOW to keep the "Ball-rolling" and produce more QSOs for JAs and W/VEs as well as other Countries. MANY MANY THANKS to all the JA boys for their splendid cooperation, also KA9AK & KL7FRY for their splendid work on project " QSO-JA/160" W1BB/Stew.

WIBB HAWAIIAN 160 METER REPORT

This is a simple report --- say "KH6IJ" -- and THAT is it!!! Katashi Nese, No. 1 KH6 HAM is the only one permanently there interested and with equipment for this band. KH6EL, CU, K2 and others interested but with no equipment or suitable QTH.

WIBB enjoyed discussing 160 thoroughly with Katashi during a two weeks visit to OAHU JAN/67. Briefly, his 160 meter operation has been curtailed due to moving from Isle of MAUI where he had ample antenna facilities and very potent signal, to Isle of OAHU where space is restricted and good takeoff to the WEST somewhat blocked by famous DIAMOND HEAR, close to which is his very attractive home.

Limited operation is possible now using a RANGER, 75A4, and the guys on his 45' rotary beam tower for 160 antenna. Next season, 67/68 he expects to have legal power limit and hopefully a much better antenna. This season he did quite well working a number of Ws as presently set-up.

Katashi is cognizant of the desire of many for KH6 contacts and will do the best he can with the time available. He is extremely busy with his work at the University Of Hawaii, where he is professor of Physics. Besides an intensive teaching and research program his work requires very considerable time spent abroad each year. This summer he will be in JA land. Additionally KH6IJ edits a column in the HONOLULU-STAR-BULLETIN paper, entitled "With Hawaii's Radio Amateurs". He also has designed and is building a new linear which will embrace 160 as well as all the other bands.

While presently time does not permit private schedules on 160, he will keep an "ear-tuned" to the band, especially during contests. 1967/1968 Season with the new Linear and possibly a better antenna, hopefully, he may find more time for greater TOP-BAND 160 meter activity.

WIBB "Covered", (Monitored) 160 from Hawaii, with an R4A Rx and 133' antenna on the top of the Islander Hotel in Downtown Waikiki. Man made QRN was fierce but on Christmas Day DEC25th did hear WCC/2036k/MASS/559, WNU/2048k/New Orleans/569, KPH/2045k/San Francisco/599. Incidentally, WIBB visited KPH while in SF - it is ideally located near REYES BEACH on a peninsula jutting into the Pacific Ocean and puts a terrific signal all over the Pacific as logged by WIBB/mm on shipboard even as far south as the South China Sea. Also heard W8HCW/229-349-K7MEW/439-559. W6VXO/449-569. Incidentally, all the boys commented on the strong signal put out by W6VXO - he has been heard many times on the trip. KPH was only heard on NEW YEARS day 559/579. All other signals "Nil". Skip conditions apparently not the best while in Hawaii. Loren not too bothersome there.

Visited VFB "HAM" store - the HONOLULU ELECTRONICS Co. Ltd. - nice selection all items.

WIBB SEATTLE 160 METER REPORT

Returning from the ORIENT retirement^{trip} via Seattle, Washington, WIBB had the pleasure of meeting two active W7 HAMS, and studying 160 signals in that area with R4A Rx.

Enthusiastic 160 DXer W7DL/Bob Hpfman showed his /7 160 QTH in the Country, using Valiant, 75A4 and VFB antenna. Both of us visited W7SFA/Gordon Norris who also expressed keen 160 interest.

"Observing" conditions Jan8th/GMT on 160 from the WASHINGTON ATHLETIC CLUB in downtown Seattle, a very noisy QTH indeed - with 133' Wire dropped out of window - BB Heard - KPH/2045k/SF/5 5/8 9 - VE7AKI/Sid, 459 - W6IYT/579 - WNU/2048/N.O./339 - W7AC/57ssb - WCC/2036k/Mass/NIL-Not Hrd. The next night from ISSAQUAH Washington, 15 miles West of Seattle, quiet QTH, Hrd - KPH/559-Wa6ATT/44ssb - K6YA/44ssb - W6BEG/549. WCC was not hrd until 4AM Seattle time/WCC Sunrise Time, 7AMEST, when his signals peaked 559 - then RAPIDLY (5Min) dropped out of hearing.

There did not seem to be as much West Coast activity on 160 as anticipated by BB, or as is usual on the East Coast. The reason for this might be the scarcity of DX Countries to work - KH, JA, KL, KG, KC etc, as compared to the many European Countries available to E. Coast stations. However, there is much excitement there over the increasing interest and activity of the JA boys on 160. Very Active JA1PVK has already worked VE7AKI, KL7FRY and possibly others. W7DL, W7FP, W7DOL/7, and several W6s have work JAs

This visit to Seattle, as well as other cities on this trip - Tokyo-Honolulu-etc has proved one thing conclusively - which however we already knew - that an "In the City" QTH with it's high noise level is absolutely N.G. for 160 meter DXing!!!

WIBB SHIPBOARD 160 Meter RECEIVING LOG

Enroute to ship, fm Central/USA/Kansas. 160 listening VERY INTERESTING!! East/S.W. stars boomed in - noted "outstanding sigs-no Dx hrd. ----- SHIPBOARD, NOV/DEC, had to erect 133' ant in rigging after dark/take down B4 daylight!! So missed part of Sunrise/sunset peaks - however much better than net at all. Receiving Condx most EXCELLENT!!! (Perfect gnd-no obstructions). 4100 Miles West/ USA:: W6PBR/449, LRA/449, ML/579, W6MNN/339-WDOL/579, MKL/439-PSE/4/439, GDH/339, PIX/339-KL7FRY/599 Plus WNU/449, KPH/599 Plus, WCC/NIL. 3200 Miles West/USA:: Wa6MIL/579-K6AEP/569-K7ZQU/549-W6VXO/579-KL7FRY/599-WCC/339-KPH/599-WNU/449 2700 Miles W/USA:: W6BEG/579, LRA/569ssb&CW, WX/559-5YIG/579-7EN/569. 1600 MILES W/USA:: W6HRG/569-VE7AKI/559. Cdx gud - cud hv hrd many more W's if they'd been ON!!!

WVXO 160 Meter EXPEDITION!!!

CONGRATULATIONS!!! To Herb on a marvelous "Production"!! Starting FEB5 fm FYINFG, Herb's travels covered a total of 9 Countries, CA40-FG7KL-FG7AL/FS-VP2AZ Antigua, VP2MK Montserrat, VP2KY Anguilla and W/VXO/KV4, setting a "Gas" type "TOP-BAND" record - something that many hoped for, talked up, but never did anything about. EXCELLENT performance at each new QTH gave lots of QSOs and many owe "New Country" thanks to Herb!!, also Bob-Wa/HVR who accompanied him and helped on the operating & Expedition wk generally. --- PY1 was the hardest to get out of on 160, but W8ANO and W8GDQ made it. Next FS7 with only 5 QSOs - W1BB/L, 2IU, EQS, 3WCH-Wa4PKP. Herb was disappointed not QSOing his home Stn more often, but thank to Tony/K/DGF for getting rig on and QSOing fm VP2KY. Also made it fm PY1 & CA4. (On returning home found faulty relay to blame). Herb returned home FEB25 fm this "Whirlwind DXpedition after some "harrowing" experiences, and much loss of sleep/ When one considers the poor propagation condx, QRN, Noise etc generally, it is indeed suprising Herb did so well. He sure musta bn busy shuffling the R4a, Tx, Power, Ant pkgs around, setting up, taking down, travelling Etc!! Credit to his perseverance and operating ability- and all this at his own expense - MANY MANY thanks Herb, from all the 160,Boys for a wonderful "deal" on 160!!! Herb has ambitions to go again next year and put some more new countries on the 160 DX map. Maybe some of us can help then????
NOTE!!! Since returning Herb has started the "QSL-Chore", wkd KH6LJ, KL7FRY. He advises that KS4CC at SWAN ISL will activate on 160 if he can get a Rx, Converter, and Tx - also Wa8EO gg on sailing DXpedition w/75AA and wl activate on 160 if can get small 160 Tx. Can anyone help??(BB trying/NDyt)

CONDITIONS 1966/1967 SEASON

AGAIN - as usual - opinions vary, CONDITIONS 1966/1967 SEASON
SOME feel that things have been quite bad, and in some instances others feel this has been a very good season. W1BB feels that it has "Averaged-out" just a wee bit below 1965/1966 Season, for DX worked and Conditions themselves. For example during the WHOLE 64/65 Season BB wkd 168 DX Stns in 29 Countries --- in 65/66 Season 141 DX Stns in 28 Countries -- NOW!!! in 1966/1967 Season (Not over yet - doesnt end until September when 67/68 Starts) BB has wkd 56 Stations in 24 Countries -- WITH 3+ MONTHS taken OUT of the most productive part for QSOs for his ORIENT TRIP!!!!!! Personally BB cant go along with the idea that 160 has been "Stinko", "Lousy", "Worst ever" etc etc - "Knocked out by SUNSPOTS" etc. We have to be careful not to "SELL 160 SHORT" on the DX end. Conditions were observed most EXCELLENT to the WEST and over the PACIFIC area - only thing needed to make more DX QSO there is some more stations actively interested in 160!!! Think of JA3AA's marvelous performance w/ W7DOL/S. YES!! BB does believe that conditions are gradually becoming worse, on account of the cycle - and DX will be harder and harder to work - until things start up again. HOWEVER, much good DX will be worked - especially if you are "Johnny-on-the-spot" when excellent conditions occur as they always have, and will, even during high sunspot numbers - Occasionally conditions for some reason are suprisingly good. SOOOOOOOOOOO we'll observe conditions during the "Summer" and fall and draw conclusions later about 67/68 - but off-hand - believe good DX will be worked - although more spasmodically than during the last three years - and season will average out "Fair".

FLASH!!! FLASH!!! ***JA3AA 160 METER BAND NEWS*** FLASH!!! FLASH!!!

JUST THIS MOMENT!! Rec'd via airmail de JA3AA copy of his new "160m BAND NEWS" No. 1 April 1967 longhand - in Japanese - apparently primarily for the JA boys (160) - but a marvelous piece of work recapitulating the 160 meter DX situation in JA/land. This will make a most excellent HISTORICAL record of the blossoming 160 activity there. MANY MANY MANY THANKS to Isaji Shima for his interest and most excellent work. From this, W1BB is able to report all JA/Dx QSOs to date as follows::: JALPVK - KL7FRY, VE7AKI, W6RW, HRG, LRA. JA3AA - KL7FRY, 9V1LP, W6RW, YY, JTB, BHZ, HRG, Wa6ATY, W7AVV, SPA, DOL, FP, W7DL/7, W6LRA. (NOTE!!! Add to JALPVK list: ~~W6LRA, W6LRA~~ Wa6ATY, W7FP, DOL) ----- JALBHG - KL7FRY, W6RW, HRG, LRA, Wa6ATY, W7DL, DOL, SFA, FP. JA3JM - KL7FRY, Wa6ATY, W7DL/7, W7FP, ~~W7FP~~ This info is from a tabulation. NEWS ITEMS in Japanese W1BB unable to Read, but apparently covers the FIRSTs made and by whom. Information on "Pilot" stations (Marker) listing KPH/2045-KOK/2055.5-KFS/2061-KLB/2063-KHK/2052.5-WCC/2036-WSC/2054-WSL/2060 with QTHs(Japanese). Included also, is W1BB's SUNRISE/SUNSET table with JA Sunrise/Sunset times filled in by JA3AA. Then a few paragraphs titles, "KL7FRY" - "RSGS" - "ZD8J" - "DX" - and apparently Station/QTH/Character descriptions of W1BB, W9PNE, W8GDQ, W7FP, W6JTB, Wa6ATY, KL7FRY, VE7AKI -- the same on JALBHG, JALPVK, JA3AA, JA3JM - a list of ALL JA stations licensed for 160 operation, and some closing remarks. (Sure wish I could read JAPANESE - took lessons going over on ship - but it didnt stick!!) ANYWAY - this is a masterful piece of work and will do MUCH to enhance the status of 160 in Japan. THANKS!!! sincerely to Isaji, and with hopes that he will continue to spearhead operation "JA/160" !!! Incidentally, JA3AA, is Radio Inspector for Japan, equivalent to our FCC, a most excellent HAM/person to BOOST 160 work!!! Tnx!!! A lot of time and effort was put into the preparation of this longhand news bulletin. VFB-Jas!!! Meeting Isaji in KYOTO, BB was impressed with his interest in 160, and knew he would be "On/160". But the extent of this fine work is beyond our best anticipation - it is just GREAT!!!

SOUTH AFRICAN SWL ZS5-052/Bert :: Reports hearing W2RAA 1.8mc DEC12'66 349/0258z - sez 0300/0400 East time to hear Ws - nice to know we R being listend for!! (Bert also hrd W1BB/1).

WA5CKT/WAYNE :: Been on 160 2 months - wks 43 states/80countries. (W/VE/VP1/VP7/XE/KP4/CM/HIS). Wkd all hrd. Quite a record - uses HQ170 - T16/ARC5 & 62' Vert. Congrats Wayne/VFB!!

G SWL REPORT :: G2VI writes BB "Can you confirm?? - A complete Novice SWL friend w/Transistor Rx listening G HAMS 160 Aug2/~~1966~~ 0330z hrd two stns w/"unusual" calls W1BB and W2IU, discussing a "trip". This listener had never hrd a foreign call sign and asked me "What does the W instead of a G mean?" - was this a fact W1BB & W2IU in the middle of the summer reaching G-land"??? -- A LOG wk confirms this!! Musta bn vfb edz-pity Sam and BB missed DXing -. (On ~~1966~~ AUG7-several Gs were wtd)

WILLIE/W8CDQ :: QSO'd Q440 (W/VXO) FEB 18th for his 40th Country on 160 - VFB Congrats!!

OFFICIAL OBSERVER :: As a matter of information W1BB is ARRL Official Observer Class I and over the years has sent out many O.O. notices to HAMS whose signals are heard on 160, harmonic from otr bands, 160 Oscillator break thru etc, and these particularly between 1825-35Kc. Dont know how much this has helped, but undoubtedly some at least.

W1EQT "Class A" 160 DXer :: Ralph is 25 yrs age - photographic Industry-Chemical Engineer-Gen'l Class license, TOPS-FOC-ALOP, operates 160-10w and 40ssb Mobile.Tnx to FOC/Bull - Ralph whields a REAL sig on 160 and seems to "Inhale" quite easily thereby working practically ALL the Dx there is on the band. Reports bn vy active/FB Season 66/67 wkd G, VK5, PA, EI9, GM, DL1, DL9, CW3, VP1, VP9, GI3, OK1, CO2, KP4, N18, KH6, XE2, W6/7. RALPH is QSL Mgr for VK5KO -- Nice work Ralph!! Also holds call K3FLQ.

H1EXAL (W9SZR)/FRED GOING QRT!! :: Which we are sure sorry to hear!! This is his last Season as H18. QSYing to Washington, W3MSK/W4BVV, or XV5. Thoughtful of the 160 gang, Fred has set up H18BCNester, 20yrs age-enthusiastic CWer with his Ranger, Ant and QSLs, hopinh He'll take up where Fred leaves off. Fred has done marvelously well always - but this season especially, using Valiant, LW Ant also Inv. Vee has wkd ZD8-DL9-OK1-GM3-G3-KP4-VE7 and an endless string of W/VEs and others!! Sez, W8ANO and W8HOW have the most outstanding signals in HI/land. Suggests EUs operate below 1825kc. (1822-24 Excellent) to avoid terrible 160KW LORAN 250 Miles from QTH nr his area. Take note EUs!!! Nice wk Fred and best wishes for HAPPY HAMMING wherever you go - on 160 - Mary owe you TNX for NEW Cntry.

RUN !!! LORAN EXPANDING/HAMS WILL LOSE TOP BAND!!! :: Came to W1BB via K4UCQ/4 who got it from W2RAA/W2MCU etc. W1BB had previously hrd nothing about this. Wrote ARRL. They state "The USCG regularly reviews it's LORAN situation in the light of requirements, and such a review is now in process. It may well show that Amateur Sharing priviledges will have to be ammended, shifted, or even reduced. We just have to wait until this study is completed before knowing what problems we'll face". Does anyone have authentic "Inside" info of what actually is happening??? That is as regards their possible frequency requirements??? Guess all we can do is wait for the study to see if we will be affected - and if so how much - and then what we can do about it. Actually we are on 160 as "Guests" of the USCG - and have been pretty lucky thus far - lets hope our luck holds!!! Possibly this all may amount to nothing - hope so.

NEW COUNTRY/TANZANIA/5H3KK on 160-CONGRATULATIONS ROGER/G3RBP :: This is good news, with new FIRSTS being made. FEB4th FIRST #1-QSO'd G3SED, G3PCA, G3RBP!! -- FIRST #2 JAN22 QSO'd W1EEO/569 - Hrd W1BB/1 589, W2FYT/559, W8CDQ/579. (W1BB was "Asleep at the switch" giving 'First Timers' QST when band peaked and so Missed him) -- FIRST #3 FEB26 He QSO'd W8CD. WONDERFUL Roger. Uses CR150/5Rx-10wTx-260' ant.

G3OIT/W1LP QSO!!! :: WEEK of FEB 19th - who said 160 DX was dead????

GARY/K1KSH. (ExK1CZH/KM6 & KC6) GETTING "HITCHED" :: To Amateur Radio 'Oriented' yd vy soon. Has picked out fine home w/excellent ant possibilities. Also has great plans afoot for 160 DXing in abt 1 yr. During CQ/WW/160 TEST, Gary did great job, (May be top Conn Man) using 270' wire to top of 275' tower at abt 15 degree angle - 183 QSOs/42Mult!! Sez it proved old addage -"a vertical works equally poorly in all directions" - actually though it was not so bad - quite strong some places- Vy weak in others - I was unable to wk W coast, or Eu altho Hr much DX w/vy strong sigs - did wk H1EXAL & CO2SW" - Nice work Gary - Congrats and best wishes fm the 160, boys for HAPPY xyling /VFB!!

OL4AFI/"YARDA" :: 19 yr old D1er deserves "Special Mention" for his 10w QRP wk on 160 since recvg Novice type Lic. Oct 1 1965 he has wkd 17 Cntries. In CQ/WW test wtd 144 QSOs/11Eu Cntris. Hrd ZD8J H1EXAL, W/GTA/EP4, ZB2AM - QSO'd W1BB, HCT-VOLFB. Sent W1BB a "MAGNETOPHONE" (Tape) Recording of BBs sig

G3VYF/MIKE :: QSO'd VOLFB-W1BB, 2EQS with 10w to 62W6 - sez tnx for "FIRST TIMER'S" Nights rememberin weaker stns. Sez 9H1AERAA' active 160. CONGRATS MM - and best of luck next 67/68 season to you.

VQSCC. (GM0MBS/Steve-(Ex3A3CJ-WF4BEQ)) :: Arrived MAURITUS APR -~~1966~~ on 160!! Visited BB March - LUCK!

VOLFB/Dx.JOK :: Had VFB 66/67 Season sez - QSO'd G3STE-93 DX ~~1966~~ contacts - 4615 Points NOV CQ CW DX Test Wkd 10!!! "First Timers" DEC18th -20Eu QSOs CQ/WW/DX/Test w/2" Diam icoing on Ant/Feeders!!! vfb!!

W9PNE/BRICE :: Nice hr bn en agn, tho briefly. En vy QRL but wkd KP4,G3,VP1,XEL/2,HIS,FG7L, b.
OUTSTANDING DX!!! :: Brice/W9PNE sez "CONGRATS" are due two outstanding DXers ~~VP2MK,VP2KY~~ hrd DL1FF who hv bn wkg DX localities previously considered impossible for 160 DX. (Who said this was a bad 160 DX year???) K5JVF/Okla and W/GDH/Kansas/ JVF wkd G and HB plus Carribbean. GDH wkd several Gs, HB and KL7 to complete his "WAS" -"I dont think any EAST coast Stn Except W2IU knows how poor Eu is out here - it's a near miracle to QSO. One gets discouraged elg hours fr QSO when condx open up, because EAST Coast boys keep wkg the Dx until sigs go out. K5JVF sez DX Clobbered by 57/99 Coast boys".(Maybe some of us E Coast boys wd be willing QRX if given a "Tip-Off" - Ed.) This IS a problem for the W5/8/9/0 boys however, getting thru the East Coast QRM. Move East?????. Sorry!!!
G3UBW/Steve/GD3UW :: 66/67 QSO'd W1HGT,2RAA,VOLFB,HN-ZB2AM,AY--Hrd. 9VLLP,VK5KO,ZD8J,W1FZJ/KP4. At Cambridge University operated their DXpedition Stn GD3UW (W2GHK sponsor) wkg. W1BB/1,K1PFW,2EQS, w/10w 250'x40'High Ant. "Many times WCC comes in 58/99 with empty band - a pity - more DX Cud be wkd
W2AJS/Chas :: 66/67 bn experimenting w/ vert & Horiz ants. Vert best over 500 Miles. Wkd H18XAL, W2B1GW/A,XELAB,VP2MK,W1FZJ/KP4,CM2BL,W7DOL/7. Sez DRJ/54 is CUXHAVEN and DHJ58 FLENSBURG, both LKW Non directional ants. Tnx a Mc Chas ----- Chas also wkd G6BQ,G13OQR and G3SSO. Sri I missed this.
W8ANO/Waldo :: Wkd VP9,VOL,G3,DL1,DL9,YV,H18,ZD8,KP4,VP1,VP7,PY1,OA4,FG7,VP2,XE2 & Otrs -VFB WALD
K5JVF/DAVE :: Sez "9L1HX moved qth - has room only for modest 20 mtr ant - 9L1TL had NO room. Has equipment and desire fr 160 but no ant room - GLOOMY!!! W/GDH and myself noticed sigs this season MUCH BETTER to SE & SW than NE/NW - How do you account for this??" - What say Gang??? Just "Condx"?
FYswl/ROLF RASP ::"W/VXO & KVR visited hr and lucked in wkg W8ANO,HGW,GDQ. Fm PYLNFC, band generally poor this yr. Also hv hrd ZD8J,H18XAL,W7DOL,K1CDR,W2RAA. It's vy strange the band opened up several times to USA abt 0200z - past yrs it was 0400-0500 - another sunspot cycle change??? 160/CQ/WW/Test N.G./Had no power at portable QTH - tried SML fm home -NOISE 40 DB over S9/line"-Tnx Rolf b.c.n.u.
WA2KHL/JIM :: Gets CONGRATS en wkg his FIRST Eu, EI9J FEB3, then G3SED,2PL. FEB4 rec'd 569 fmG2PL Hrd KH6LJ. "I'm convinced there IS something to "Top-Band" and am becoming "Gung-Ho" w/80' Vert50w
OL/OKIAGS/MICHAEL :: Hrd W1BB/1 & hopes be more active next 67/68 season for QSOs - FINE!!!
W2RAA/ED/DAYLIGHT TESTS :: Has been organizing some W/VE NOONTIME Dx Tests on 160. Hrd or Wkd K4U 750Miles -- K9PAW/600 Miles --W9KYW/600 Miles --W9RPL/725 Miles with reports up to 579. Anyone interested in joining in on some DAYLIGHT DXing on 160, contact Ed. - Vy Unusual DXing Ed.
W0PSF/LARRY :: Been vy QRL/wk w/little time for 160 - but was hrd by W1BB in middle Pacific Ocean DEC18'55/569 which means his KANSAN 240' Doublet 4/240' Feeders really putting out - FINE Larry.
W0ELKU/WILLY :: CONGRATULATIONS FIRST EVER!!! :: OE /VOLFB QSO worked November 27th '66 making Country No. 17. Sez-"Can anyone help me obtain QSL from DL2CT/1x Dec 21'66?? DL2CT/LA
DL9KRA/JAN :: Our DL "FLY-Boy" w/ little time for 160 - but is trying get small portable rig togthr to make more 160 entries available - this is a real worthy project - keep at it Jan!! & Tnx!! Then fr sum rare ones!! "Sez -"CCondx 66/67 been much better than expected with excellent openings" Wkd W1ZL,TX,BB,BHQ,HGT-K1JGM,PEN-W2EQS,KHT,FGT,RAA,KQT,FYT,IU-3MSK-K3MFW-8HGW,ANO-9VLLP-ZD8J-VOLFB-
G3SED/MIKE :: "Stew-do you have control of 160 DX??? While U away Top-Band Terrible!"
 terrible!! Week after week, no DX/No one on - but the very Sunday you came home back on band - what happens?? PLENTY DX/Band open until 0810!!" (Wish I did have control od DX Mike - you know what would happen!!!
G/SH3KK(G3RBP)QSO:: FEB 12 '67 - Nice work - Excellent -FIRST EVER QSOing G3SED,
G3POA/JOHN :: Condx this yr bad -320KV POWER LINES arcing ruined band hr. Noise S7/8 hence my strange operating. Pse tell W9PNE & Otrs my apologies/no copy/NOISE. Next Sept will be near fabulous LANDS END for abt year. Then to NAIROBE or WEST INDIES. Believe during HIGH SUNSPOT numbers - 160 stations nearest the coast will have the advantage" - Tuck and Tnx John.
Gswl/NORMAN SMITH :: Three excellent (As usual) reports - Tnx!! Moving to new QTH with an eye on better condx for SWLing. Has hrd many W/VEs also H18XAL. His new KW77 Rx Doing Vy Well - may visit
GEORGE ALLEN/VK6-sw1 ::"Band has not been UNinteresting!! Hrd GW3OAY NOV26/FANTASTIC!!!! USA. Hrd OL4AFI,5AD-OKLWT,KGV,AES-DL1FF at dawn and after, also DHJ-9VLLP. Found beautiful QTH w/4260ke diy high up - in country - 260 miles distant -to S.L/CQ/WW/Test fm - got permission-however band did open also got QRN'd out -"Loves Labor Lost"-sorry but was very interesting.Hope VK6Ticket Sn.
Gswl/BoB IBALL :: Vy QRL but his usual FABULOUS reports still come in - 4 to date w/resume VFB!! Tells of many W/VEs hrd w/AR88D Rx - pity space does not permit full copy. Congrats Bob your 32nd birthday and still SWLing strong or S9 should we say - Tnx and b.c.n.u. 67/68 Season.

W4ZZ/HEBRICK :: Prompted to write by mention in "How's DX" of W6WGB, RO Opr USS Pres. Wilson met by W1BB on ORIENT trip. He and Howard/WGB were real buddies way back 1945. Now interested in 160 W4ZZ hears N.E. Stations, W/VXO and others etc near sundown but no DX. He operates LE CONTE LODGE "A Mountain Resort, in great smokies, reached only by hiking and horseback trails 6600' Elev where every QSO is under field day condx w/3KW ONAN Gen. All supplies, including Gas for Gen must be brought in and up by pack horse - also QRL w/little time for radio - sez pity to let VHF QTH waste

K3EKO/TOM :: Been doing VFB Job this year - if anyone hears 'em he does - and works 'em!!!

5X9AU/UGANDA/ERNIE :: We are sorry to hear Ernie leaving Uganda - he tried valiantly to get across on 160 w/20w, but no luck. Tnx for galant try!! Best luck and b.c.n.u. new DX Qth hope --

BELIEVE IT OR NOT :: W6PBR/Glen whom W1BB SWL'd 4100 Miles West of SF Calif in Pacific, was using only a 40' vert bamboo pole with a 33' wire tied to the side of it, and two 33' radials. A feed line 1" Spaced and 25' long - w/Ranger Tx/50w. If you have small space and ant problem - write Glen

W7EN/EMORY :: Whom W1BB heard 3100 Miles West of SF Cal/usa uses homebrew sta 50w/half wave Marconi 45' one end - 15' other. An O.O.T. from the 20's, he started on 195 meters, then 200 Meters - now 160. Uses home made Rx which covers ONLY 1750-2050 KCS. Marvelous HOMEBREW JOB - fm Fotos!!! vfb/Lm

SANDI ARABIA/HZIAT :: G3IGW/Mike rad a few skeds on 1825 Kcs w/HZIAT but no QSO. HZIAT is believed to hv whd DL1FF. No QTH known except QSL via G3DIY Mgr. Many Eus QRX/no QSO/Except DL1FF. HZIAT Frequents ARABIA 14 Mc. A possible nice ASIAN for 76/68. Tnx Mike and Congrats G3IGW/A FB CQ/WX/DX/TE show - 16 Countries QTH 13 Transatlantics and HISXAL.

VOICE OF AMERICA :: We 160 fellers are continually indebted to Bill Leonard W2SKE who over the yrs has and still is, giving 160 and our doings a real plug in his Voice of America Broadcasts, We have had listener comments from as far as AUSTRALIA. Thanks a Mc Bill and keep up the good work.

EXCELLENT CONDITIONS :: Prevailed Mar 25/25 w/G3PQA and G6BQ peaking 59Plus!!! GD6UW qrp wind across -also G3TKS. Much more DX would have been wld if more stations had been on - as is often case.

TO QSY or NOT to QSY :: From Class A Operators Club Bulletin, this interesting comment comes. "One club member wrote about a situation of operating courtesy which by many years usage, has attained a degree of PROTOCOL. It is passed on to those newer Amateurs who may be unfamiliar with it. -----"BIG GUN" calls CQ on frequency, and in turn "RARE BIRD" calls him, resulting in QSO. After QSO, other stations call "RARE BIRD", and normally "BIG-GUN" yields the frequency. But suppose another station calls "BIG GUN" - we shall call him the "THIRD PARTY" - at the same time others call "RARE BIRD"; what then??? In this case, procedure throughout the years has been for "BIG GUN" to hold the frequency, and "RARE BIRD" to QSY; it would be discourteous for "RARE BIRD" not to QSY. Although no one "owns" a frequency - no station because of rarity or other desirability should usurp a frequency BEING USED BY ANOTHER STATION (First). Otherwise stations in more common locations would be continually yielding frequencies to those rarer in QTHs." This very well might apply to some of our 160 meter DXing situations that arise - how does gang feel????

MOONLIGHT and 160 Meter DX :: W1EB has had a feeling built up over several years experience, that for some reason or other 160 DX was not as good on a moonlight night as on a dark night. Has anyone else felt this way?? Anyway wrote George Jacobs W3ASK /Propagation expert and asked what he thought "THERE is no evidence that moonlight would affect 160 meter propagation conditions, and what you have observed is coincidental. During daylight hours it isnt really light rays that affect the ionosphere, but the ultraviolet radiations. As far as I know, there is no, or very little ultraviolet radiation associated with moonlight. Also, remember that the ionosphere is between approx 60 60 and several hundred miles above earths surface, and is ALWAYS flooded by moonlight during nighttime hours, regardless if clouds may or may not be obscuring the earths surface. So Moonlight is ALWAYS Present in the ionosphere during nighttime hours and should have no effect on 160 propagation on a night by night basis. (The sunspot cycle is climbing fairly rapidly now -- this cycle wont be anywhere near as intense as last one - it has already climbed moderately high - witness 10 meters - means you MAY begin to notice decrease in 160 meter propagation conditions and I have a hunch band openings this winter will poorer than for the past several years). THANKS VERY MUCH GEORGE-Apprecia

MARKER STATIONS :: KPH a Commercial ship/shore station at Reyes Beach California (SF) on 2045 Kcs - Also WNU New Orleans 2048 Kcs and WCC Cape Cod Mass - 60 Miles fm Boston 2036 Kcs are excellent for checking propagation conditions since they operate 24 hours a day, on CW, sending ships traffic lists, VVVVVs, or weather etc. If you can hear these stations from wherever you are, the path is OK in that direction on 160 WCC is mostly widely used all over the world by Amateurs - 9V1LP Bob Snyder in Singapore uses WCC etc -and is now being checked by JA and KL7PRY as path indicator. Find the time that these stations PEAK for most likely time for successful 160 QSO. Others have been indicated by W1EB is not sure yet if their operation is continuous. They mostly use about 2 KW to vertical unidirectional antennas. Any additional information on markers from the gang - appreciated.

November 27, 1967

1.

PY/swl/RASP - Dear Rolf::

HERE is all the "Latest" for you on 160 this season

HOPE you and the YL enjoying life etc - although sorry not to have you SWLin so much now days!!

DID you get the CALL BOOK I mailed to you for your friend PYLMAG all OK per your letter September 5th??? Hope it arrived all OK as they cost too much to lose!!!

WØVXO's new QTH is - per your request - 515 OLIVE STREET HANNIBAL MISSOURI 63401

HAPPY Christmas Season to you - HAPPY NEW YEAR too Rolf

73 de Stew/W1BB

Handwritten signature

OR 7-12-67

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop, Mass.

NOVEMBER 15, 1967

W1BB - 160 METER DX BULLETIN - W1BB

1967/1968 No. 1

de W1BB/Stew ----- HERE WE ARE AGAIN !!! at the start of another 160 DXing season, and judging from activity and comments heard, everyone is full of "Pep-Vin & Vigor", all "Ready-Set" to GO !!! We hear about 2000' Rhombics (KL7FRY) and IWs, 600' etc - Horizontal antennas in free space, 300' up Remote controlled 7 miles (KLKSH) - 120' High Rhombic (KA9AK) 500' a leg - Top loaded verticals with beads of radials (K2ANR) - verticals 70-100-170' high, with ground screens (W2RAA/W2IU) -- TWO Verticals fed out or in phase (K1FBW/W9JN) -- CONICAL MONOPOLE (WØVXO) - "Hula-Hoop" DDDR Ant (VE3BS) - many inverted VEEs --- many "New-Comers" - much new equipment, and so on!!! W1DEO w/ 300' high semi vertical, Etc!! The band itself seems "anticipating" events - what with some excellent openings all summer, and recently in Oct Gs peaking 589!! W2EQS QSOs CEØOC/DL9KRA/Easter I. -- W2RAA QSOs VQSCCR/Rodrigues - VK5KO QSOs VQSCCR,JA3AA,JA1BHC - and so on!! ACTIVITIES galore are shaping up - the annual TRANSATLANTIC DX TESTS, where the 160 boys get a good workout -- this year TRANSPACIFIC tests for the FIRST time, due to the interest and activity of the JAs and Oceania boys /should be interesting/exciting -- The CQ/WW/160 DX test -- ARRL and CQ Annual DX tests, allowing opportunity to provide EXTRA BAND credits/multipliers to say nothing of random and those unusual and unexpected DX Contacts -- "First Timers" nights -- DXpeditions, WØVXO, DL9KRA, VQ9JW/Don Miller - etc and of course the weekly "traditional" Sunday Morning DXing. CONDITIONS??? We are optimistic - although have fingers crossed - anything can happen, with rising sunspot numbers - but some DX will surely be worked -, and since "numbers" are lower than previous rising No.s - we feel that Condx MAY prove to be very good, especially on occasion - this is one of the uncertainties on 160 that makes the game intriguing!! Like fishing - you never know when that "Big-one" - "Thrill of lifetime" event may happen, like W1DEO unexpectedly QSOing 5H3KK for a resounding "First-Ever"!!! SOOOOOOOOOOO who knows? this MIGHT just be our BEST season ever!! Will be interesting to have an active part in it, 'win-draw-or-lose' - N'est Pas?? ----- W1BB reports to MAGS via this BULL or special FLASHES, HOT info or special data or accomplishments of interest and/or QSTs de W1BB, time permitting, SUN mornings before 0500z. It cannot be guaranteed that occasional errors will not creep in - altho we try real hard not to let them - corrections where necessary will be made - COPIES of this BULL will be sent those supplying W1BB with info and/or S.A.S.E.'s (10¢ Stamps), and being active 160 DX participants - please note - the BULL is DX oriented only. HOPE to put it out 3 times/season - but here, procedure may be changed to put out shorter BULLs, more often. Working DX on 160 is unusually difficult, challenging, interesting - takes perseverance - "know-How" - good operating and a "top-Notch" station/Antenna - but the thrill of accomplishment makes it really "worth-While"!! RIGHT?????!!!! ---- GUESS that's all for now fellows - have a WONDERFUL season on 160, with loads of HAPPY HAMMING always!! BEST of LUCK!!!!

73 de Stew/W1BB

Handwritten signature

1967/1968 160 METER TESTS --- Reminiscent and symbolic of the ORIGINAL L.F. Pioneering trans-Atlantic Crossings by Marconi, DeLoy, Schnell, Reinartz and Godley 1901-1924, and continuing an activity on 160 started in 1932, through foresight of G6FO and others, the ANNUAL - TRANSATLANTIC and WORLDWIDE "TOP-BAND" DX tests will be held the following SUNDAY Mornings, from 0500-0730 GMT: DEcember 3,17,31st -- JANuary 14th -- FEBruary 4th and 18th. During these "TESTS", special efforts will be made to establish new records. W/Ve stns call "CQ-DX-TEST" the first 5 minutes of the hour and alternate 5 minute periods thereafter - listening between - DX will call "CQ-DX-TEST" the 2nd, 4th, 6th - 5 Minute periods Etc. Listening between times. Adhere to this sked - except - when QSO in progress. Use authorized Fys W/VEs-East-1800/1825Kc --W/VEs-West 1975-2000Kcs - Europe 1823-1830 2L/3RB etc. 1875-1900Kc - VK/5KO,Etc 1802 approx - JAs 1907.5-1912.5 - AFRICANS mostly 1800-1830Kcs. These TRANSATLANTIC Tests are Exciting. ALL are reminded to be alert for unusual DX openings most anywhere over a darkness path, particularly at Sunrise or Sunset time either end of path. THIS is when 160 meter signals "Peak". REMEMBER!! These are "TESTS" NOT CONTESTS, for pleasure in an unusual operating activity, without competition, and to develop propogation information which makes a worthwhile contribution to the art of RADIO. Send your RESUME reports of TESTS to WIBB at end of season - and progress reports at each TEST's end, for logging and reporting to MAGS. Send HOT or unusual results news/items direct to your favorite HAM publication. Remember to keep these periods accurately by setting your clock before each TEST.!!!

SPECIAL "FIRST TIMERS" 160 METER TESTS

1967/1968 "FIRST TIMERS" Tests --- Are to be repeated again this year, because of "POPULAR-DEMAND". Many comments of approval, and desire for continuance have been received. THEY WILL be on SUNDAY mornings, the usual DXing period 0500-0730GMT as follows::: EU/Afr "First Timers", (All others pse QRT) DEC 17th, and FEB 4th ----- W/Ve/Na "First Timers", (All others pse QRT) JAN7th and MAR 23th. ALL OF THOSE on one side or the other, who have already crossed the Atlantic or worked real DX on 160 before will QUIT - ie - Stay off the air entirely, TO GIVE THE QRPers, New Comers, Beginners, Neophytes, etc a chance. Same procedures as above under TRANSATLANTICS to be used. This season, a new idea, suggested by G3SKW will be tried. ONE on the "Regular" outstanding DXers Stn on the "First-Timers" side, will remain "on the air" -sort of a "big-brother" act, Fy removed so as not to QRM FTs, and purpose to help FTs in one way or another, if possible, with rpts, QSTs re tests - etc and be generally helpful to the "First Timers" in getting across. (In my handling of much 160 correspondence I have been impressed with how much it means to the "First Timers" to make this QSO and anything we can do to help, we should do). Tentative "Big-Brothers" for the tests, are as follows. Dec 17/G3OQT - ~~XXXXXXXXXXXX~~ - FEB4th/G3SED - JAN 7th VO1FB - MAR 4th WZEQS. NOTE that some of these TESTS are integral with TRANSATLANTICS. but it wont hurt some of us OTs to sacrifice one or two evenings. Only "Complaint" registered against FTers tests by those who QRX - "What do I do if I hear a rare and juicy DX I havent worked before???" ANS::: IF it is real RARE, New Country you have never worked before - work him quickly as possible and get it over with and off the air for FTers -- OK?? Reasonable?? All of the selected dates are during the period when best conditions for the weak signals can be hoped for and expected. BEST OF LUCK FTers!!!!

PIONEERING "TRANSPACIFIC 160 METER DX TESTS

FLASH!!! - FIRST EVER!! Pioneering "TRANSPACIFIC" 160 METER DX TESTS announced!!! --- Because of the interest and excellent work demonstrated by Japanese Amateurs, supported by JARL and their Govt., (JA/CQ Magazine 9/67 are to be complimented on the JALBHG special feature "QRV-160" -- and JA7AA on his splendid resume of 66/67 activities - JALCR for regular news items - etc.) and to increase fun and further interest in 160 throughout Asia/Oceania - this series of "TESTS" for the 1967/1968 Season is announced. ----- THESE will be similar to the highly successful annual TRANSATLANTIC Dx Tests noted above. ----- DATES are DECember 2nd, 16th and 30th,, JANuary 9th, 17th,, (Dates for START of Tests - they continue into the next day) ----- TIMES, as on the Trans Atlantic Tests, must be set to embrace SUNRISE on the Eastern end of the path, or on the West Coast SF/IA, USA Pacific Coast, with allowance to reach further East into USA/VE -- and will be from 1330 to 1600 GMT. THUS "Tests" run from 5.30AM-8.00AM W/VE, Pacific Coast Time -- and 10.30 PM Saturday Evening to 1AM Sunday Morning Japanese time. DX who wish to try the "East" or ATLANTIC Coast W/VE can start at 1130GMT to Coincide with Atlantic Coast SUNRISE Peak Conditions. ----- PROCEDURE; W/VE Stations will call "CQ DX TEST" the first 5 minutes of the hour or half hour and alternate periods thereafter - listening between times. DX will call "Cq-Dx-Test", the 2nd, 4th & 6th 5 minute periods, etc and so on - listening between times. ADHERE to this schedule of calls and listening, except when QSO is in progress. Use Authorized Frequencies. W/VEs West 1975-2000Kcs, East 1800-1825Kcs, JAs 1907.5-1912.5, 2L3RB etc 1875-1900, VK5KO etc 1802 Approx and other DX 1800-1860 Kcs.

(Transpacific TESTS Continued - next page)

DEACON stations useful for checking transPACIFIC conditions are ; KFN/Pacific Coast/2045Kc - San Francisco, WNU/New Orleans, Mid USA/2048Kcs and also WCC/East Coast USA/2036Kcs. These 24 Hour Ship/Shore traffic stations are excellent for checking BAND CONDITIONS - have been used by successfully by many DXers already. ----- AS under TRANSATLANTICS - same remarks apply - these are "TESTS" NOT CON-tests ----- REMEMBER!!!! Keep Exactly to your respective transmitting/receiving periods unless in QSO. Set your clock accurately by time-tick, just prior to each test. ----- It is hoped that Nose/KH6LW will be able to take an active part. JALBHG, FVK, RST, GJQ, GIV-3AA, JH-KA9MF and other DX including ZL3RB/Mick, VK5KO/John and other's now unknown, are expected to take active part. ----- These TransPACIFIC DX Tests this season, is a "Trial" activity, which will either be continued, or discontinued, depending on results, interest, activity and wishes of the HAMS involved. HAPPY TIMES -- GOOD HUNTING ---with the BEST OF DX gang!!! ALL Hams and SNLs please send your resume LOGS/NOTES/Reports of TESTS to W1BB for logging and reporting to Magazines etc. DX are encouraged to in addition to reporting to W1BB, to also send HOT reporting ~~to~~ and UNUSUAL results and news items direct to their own interested publications and organizations.

OTHER ACTIVITIES ANTICIPATED

ANNUAL CQ/WV/160/CW/CONTEST on the weekend of January 27/28th should be one of the biggest 160 meter "Binges" ever!!! Everything for the DXer or "Contester" - a wonderful operating activity. Also the Annual ARRL DX Contest - and the regular CQ DX Contests provide opportunity for snagging rare DXers who want a Band Multiplier - otherwise might not be on 160. Added to all this - many personal schedules will no doubt be arranged.

WVXO/Herb Schoenbohm's DX EXPEDITION proposed to Central America and the Carribean is hoped to materialize - this is a 160 METER ONLY DXpedition. Herb needs a few more donations to help cover transportation costs of equipment only - via air - \$3.00-\$5.00-\$10.00 or "what have you?" from those particularly interested would help a lot. We 160 boys certainly should support a 100% 160 METER DXPEDITION!!!! His new QTH 515 OLIVE ST. HANNIBAL Missouri 63401

**** SPECIAL ITEMS ****

K17FRY/Earl-ALEUTIANS - Shenaya Island :: (W8DGP) - Unfortunately will be leaving the Aleutians December 13th @ but will be active 1803/1824/1898 Kc Each Saturday and Sunday AM Until he leaves, Listening East Coast 1803 - West Coast 1997 - JA/1910 . He Heard WCC 229 Sept 30th 0745Z and W6HRG on October 1st. Earl has been faithfully plugging 160 and deserves congratulations for his faithful perseverance. On April 16th he worked W9CZT/579 for his furthest East. Previously had worked W6VXO and heard W8ANO and W8CDQ. Conditions dropped off steadily since March however when WCC peaked 569 wound up with a 3880' long wire - headed USA/ward!!! THANKS Earl - BEST WISHES for future 160 work!

TRANSPACIFIC--KA9AK Forrest D "CAS" Castle :: Expert we shall hear a lot from "CAS" - as he is planning on great activity on 160 this season. After much planning has wound up with RHOMBIC Ant Type "Z" - 500' on a leg - 120 Ft High "ON" USA. Is verifying Antenna direction and checking for WCC - preliminary results indicate Additionally has an inverted VEE affair, apex 160' High 1 1/2 wave long which also seems VFB!!! Copies WNU 074591200z. Checking for WCC now! VFB "Cas" !!!!

ZL FREQUENCIES !!!! --Important!!! Mick/ZL3RB reports that many times the band is 'open' but no one listens 1875-1900 Kcs the ZL band!!! PLEASE NOTE CAREFULLY this fy - and listen for Mick and other ZLs... Sept 30 0710 Mick heard W9UCW on 1813 Kcs 349!!

THE LID IS OFF IN BRAZIL !! --Via Rolf Rasp/FYswl, PY1CK, PY2CQ and W6VXO who used his good offices /influence while visiting LABRA Boys this spring, comes the good news that FULL privileges are now given PY HAMS 1800-1850 Kcs day or night and presumably full power limit to 1KW. PY2PA w/T4X, PY1NF PY1NFC and others expected on - should be 'good hunting' for FYs this season!!

FIRST EVER!! RODRIGUES ISLAND QSO'd on 160!!!! *** Don Miller W9WNV/VQ8CB and Steve Gibbs/(GM3MBS) VQ8CC as VQ8CCR turned a real trick which may make for a big change in 160 DXing - Hope! Operating on 160 USUALLY NEGLECTED BY DXPEDITIONS - playing the VQ/Sunrise - W/Ve Sunset/peak condx, they successfully QSO'd W2RAA for a resounding FIRST EVER VQ/W qso-160 Sept 12th 2330-2355 Z. At 2330z VQ8CCR's 1827 Kc signal peaked 569 (at W3BUR) fading at 2355. Another FIRST EVER was achieved when VQ8CCR worked John/VK5KO/449 QSO'd VQ8CCR Sept 11th 1800z VQ/569/qsb. They were active the following 3 nights on 160 but the band had changed and no further QSOs resulted. Don Miller was encouraged at recent HAMFESTS by W6VXO/W1BB and others to operate 160 on his DXpeditions - Thanks DON!! This operation Steve Gibbs T4X and R4A were used - but Don was at the key when the band opened. The Steve

FIRST EVER known operation from SWAN ISLAND on 160 by "Jan" DL9KRA/CE4PC :: Flying there to "Pick up a plane", 'Fly-Boy' Pilot "Jan" took with him his 40 watt 160 transceiver. The trip came up too hurriedly to notify everyone - however QSTs and airletters were sent out by W1BB and QSTs by W2EQS a and 11 tel calls. Contacting on 20 and shifting to 160 W2EQS/229 and Jan contacted for a whopping FIRST EVER CE4-W QSO 0605z Sept 20th - CONGRATULATIONS to Both - Makes Chas's Country No. 55!!!

JAN/DL9KRA as CEOPK "Does it again" *** Making another trip, and taking along his "Trusty" 30 watt 160 Mtr Transceiver, he constructed for just such occasions, and alerting "The boys" thru Chas/W2EQS -- "Jan" made more 160 meter DX History opening up again from EASTER Nov. 14 thru 21st working quite a few Ws including W1BB/L, K1PBW, W1VXO, W8ANO, W8GDQ, K3EKO, possibly W9CZT, Wa4XP, and others (His LOG Not available yet). His signals came in from 0500 to 0700 approx on the 17th and 18th (not hrd on 19th) - varying from zero to 569 at W1BB, and same at K1PBW who was using a beverage receiving antenna and recorded Jan's signals VFB. Many of the Ws did not hear him at all or very weakly - altho Jan was apparently receiving well, giving those he worked and called, some of whom did not answer him, reports from 459 to 589!!! After the 18th there was a flurry of putting up BEVERAGE antennas by some of the boys - but results not conclusive yet. MUCH credit to JAN -- and it is hoped that his performance with a mere 30 watts will alert some of the other DXpeditions to carry 160 along with them!!! It is increasingly being proved, as Bob Snyder, VS1LP/EB2BK once expostulated -- 160 DX can be worked from ANY part of the world, if there is merely someone on at the right time, with good antenna, perseverance and know how. VFB!!!

GWSON/SENEGAL "FIRST EVER" on 160 by "Jan"/DL9KRA DXpedition!!! ---- A Wonderful "SHOW" was put on when Jan opened up Nov. 5 and 6 to QSO quite a few Eu and W Stns. ---- Excellent skip condx prevailed the 6th and his sigs peaking 5-78-9 in W/Land "Stayed-in" from 2300z 5/11 to 0540z 6/12. The following day 2300z 6/11 to 0400z 7/11 his sigs not quite so good - but peaked 579 QSB to ZERO --- Unfortunately he was experiencing extreme local summer QRNancy - both days, making reception most difficult to say the least - nevertheless much credit is due Jan for a most creditable performance!! His ear drums must have "Busted" many many times with that tropical QRN (BB knows having operated ship/commercial/rig in tropics near equator) ---- Confirmation not rec'd yet from but the following are believed to be QSOs on 6th. 1st ever G3RFB/6W8 G Stn/all time. 1st ever W/6W8-W1BB G3OQT,RXH,SED -- W9PNE, W8GDQ, W4BGO,K8RNE, W2EQS, W1VXO, K1PBW,K2ANR --- 7th G3RFB K8BBI,W2IN,W2RAA,K3EKO,W1VXO,WaSEMY. It is believed a total of 6 Cs and 20Ns were worked & but we will have to await Jan's LOG for confirmation etc. W1BB Copied him solid both nights and has sent him transcript of his transmission and all Ws working him. Who sed 160 DX "Going-out"???? Jan is apparently out to prove it "just aint so"!!! Hope you can make other Rare ones Jan OM!!!

BEVERAGE ANTENNAS ---- While we are talking about this, if you want any dope it will be found in November 1922 QST, the U.S. SIGNAL CORP Manual, a BROADCAST STATION MANUAL (Dont know which), & understand K8BBI has full information. K1PBW demonstrated with his 1100' 12' High beverage, it will work wonders. He could hear CEOPK well with it, but not readable on either his vertical 129' Double extended zep 90" High or L.W. Antennas. However, understand at least one other did not/W's work out so well. The far end must be pointed in the direction you want to receive from and must be at least 2 wave lengths long. 10' to 12' High off the ground is recommended. The far end is terminated in a 600 Ohm Non-Inductive resistor to THE BEST POSSIBLE GROUND SYSTEM - rods/radials/etc. It is understood that this antenna works BEST over a POOR Ground condition, like rocks/sand/etc --- the received end is merely connected to the receiver. It is N.G. for transmitting. Comparatively on CEOPK's signals, apparently W1BB's two Inverted VEEs with apex 265' high over salt water ground plane, worked about as well - maybe just as well - but at least 80 to 90% as well - it may be that W1BB is getting some "Beam" effect with the TWO Inverted VEEs parallel to each other - reception and transmission seem to be unusually good since putting up the second Vee

RECAPITULATION!!! "TRANSATLANTIC" DX tests - Dec 3, 17,31 - Jan 14 - Feb 4,18
"FIRST TIMERS" Dx Tests - Dec 17/Eu - Jan 7/W.Ve - Feb 4/Eu - Mar 3/W.Ve
"CQ/WW/160/Contest" - Jan 27/28 13
"TRANSPACIFIC DX tests" - Dec 2,16,30 - Jan 3, 13 - Feb 3rd and 17th

JAPANESE ITEMS ---- JA1BHG/ATUYUKI who has done VERY well on 160, writes "Last 66/67 QSO was April 6th w/ W6LRA-359 - Our best route seems to be W6-W7. JA3AA returned to his home QTH/nrt so FB location/artificial noise like my QTH. (JA3AA was formerly at shore QTH,VFB/quiet) - I use 45 high full size dblt 20/50w,homebrew Ex. Tried fr ZL3RB March thru April ND - tired w/Sked 3AM Morn AM a train signal engineer must get snuff sleep - will QSY 1803/1895 whenever possible - 73/Art!!!
"JA 160m BAND NEWS" by JA3AA - in his special 160 news bulletin No.2, 10/11/67 (in Japanese) has given the TRANSPACIFIC TESTS full support and publicity amongst the JA boys!! Apparently this should be a most exciting and interesting 160 meter activity. VK5KO/John-Ardent O.O.T. 160 DXer Q'd JA3AA and JA3dG Oct 9th on 1908 Kes ---- ALSO VQ8CCR 1827Kc in 5899 (Trx W1EVT)

"THE DXers MAGAZINE" by "Gus" Browning, Rte 1-Box 161A - Cordova S.C. 29029 - is now covering and BOOSTING 160 band. W4KXD's article "160 Meters, the 'Equalizer'" 10.25.67 issue No.46 is GOOD!! Also Gus's comments - Trx and best of luck to GUS on this venture!! too heavy

DON MILLER /9WNV/DXpeditions -- Says he would be glad to operate 160 if someone could loan him a DRAKE 12-14X Combination or similar set-up - anyone w/rig etc advise W1BB (He cant carry Ranger)

HAM'S PARADISE/WIDEO !! --- W1BB & xyl/W1DQF Visited "Herb"/W1DEO and his MAGNIFICENT qth 1.-2 at Portland Me. this summer. In the Mobile Radio Service business particularly, Herb had chance to purchase himself an abandoned 270' TV Tower atop a hill - the highest anywhere around - out in the country/exceptionally quiet receiving location - good ground condx - water underneath - wells all around! Can you imagine his 265' Vertical 160 Mtr Ant hanging from the top of tt tower? The highest place for miles and miles and miles around!!! We saw it coming down the main pike fm about 16 miles away!! His signal generated by a RangerTx (75A3Rx) speaks for itself - always S9 PLUS and that FIRST EVER with 5R3KK (and only/a "Scoop" of a QSO) w/ TANZANIA Jan 21st proves it!!! Herb has bn HAM this area since 1965 but just this last Yr became interested in 160 - now sez -"I get more interest and satisfaction operating 160 than any other band" Nw renting antenna space on his tower to mobile radio services covering Me. and servicing their equipment - he has it MADE!! HOWEVER space is definitely reserved for his HAM BAND antennas- esp 160 - Anyone want to rent 160 antenna space?? Herb is fine host and always happy for visitors to dop in and talk 160!!! Nw has set-up whereby his Tx at this QTH is remotely controlled from Home QTH several miles away.

K1NBB/GARY/ANSONIA CONN!! --- Visited by BB & xyl/DQF found something most unusual . A Horizontal dblt 300' up in "Free-Space" between two B.C. Towers, out in the country, with RANGER II Tx there remote controlled from Home qth shack 6 miles away, on top of hill at VFB Receiving location. Gary Ch Eng of the BC Stn climbs those 300' Towers/erects/services these ants HIMSELF!!! At his home QTH an Aux VIKING II Tx w/75A4 Rx Completes the 160 setup. However Gary covers all bands w/1KW - is Nw settling shack/adding separate finals on each band. Wonderful hospitality by He and xyl Jeane, plus seeing his many trophies and slides from his trips all over the world, rounded out VFB Visit.

K2ANR/"Joe"/RIVERHEAD LI NY --- Another VFB Visit Nov 4 w/Joe - an unusual set-up with "Shack" built in "Cellar" , esp for shack - underneath his TRAILER home - Quiet and Warm!! A 70' tel pole w/ 30' Cedar pole on top of that, goes directly up-Up-UP to 100' El fm shack, supporting his Doublet and vertical antennas. Below them is excellent ground system w/ many radials /rods. Except for noise level a bit above the 160 average, Joe has ideal set/up as proved by recent 6W8CW QSO!!!

K1PEW/ERNIE/Mt Carmel Co,N --- "Ernie" has been enthusiastically making a "Big Splash" on 160 lately Visited Nov 9 by BB & xyl found VFB QTH our in "Country", altho on Rocky Terrain/on Hill - He has been doing MUCH VFB antenna experimenting work - his present pride and joy being a ~~new~~ Quarter Wv ert on top hill w/many radials (BB nearly got 'snared' with them) -- also two phased vertical an 100' Beverage (on which he did a SUPERB job receiving CE/PC 11/16217, recording his sigs) , A 600' Double Extended Zepp and L.N. Ants - FB Cellar shack - and nw MOBILE on 160!! He wkd both 6W8CW and CE/PC On EASTER Isl./Oceania. Ernie 22yrs - gg Graduate Wk/Teaching.Ohio Univ in Jan, - 160 HAM since 1962 after being intrigued by good working out of his 2 watt rig!!! Ernie has gone places fast on 160. NOW he ever gets those high up wires (90') over tops of all these trees is a mystey!!

SUMMER 160 DX RESUME - ITEMS ---- G3RXH QSO'd W1BB/5/7/9/ and W1DEO/359/459 Hrd W2RAA/469 July 30 0245/0315z. His sigs w.new vert varied 559/459 ----- G3VVF 1822k/249/359 QSO'd W1BB/1 Aug 6 thru intense QRN - DHJ 34-47-9. BB/1803/469 ----- DHJ Aug 10 0200-0300 5-68-9 Band Excellent --- -----Aug 13 0215/0430z Cndx UNUSUALLY good DHJ/1830 -0225/589 - 0345/579 - 0430/349 W1BB/1 QSO'd G3RXH/5-67-9 0225, BB/579. G6BQ,0314/559 - BB/3-46-9, again at 0325z/569. BB/567. Hrd G3SKW 0425/119 QRB S8/G land -54-5/W land. A real pity more stns not on to enjoy these condx. Many winter nites condx arent nearly as good!!! These results auger well for the 67/68 season. ----- South Africa-ZS6AM-160!! July 2 0355/0410z Hrd W1BB/1 5991, W1AW/569 on an AR88 Rx under fine N/S Cndx. George Ex VQ8AQ, 5Z4AQ and in Kenya as ZS6AM wkd VQ3,VQ2,VQ4,VS9 fm there on 160. Has now settled dwn on a large farm 14 miles outside Johannesburg and hopes to be on 160 this season-Nice!! ----- PY2PA Hrd both W6VXO and W1BB 449 July 2nd ----- Steve G3UBW writes "Did someone say 160 NG for DX in summer? Theyr'e wrong - this morning I hrd W1BB/589, W2IU/579,W6VXO/559 ----- G3VGR hrd W1BB/1 Jul 9 559/579 0300-0330z ----- "SOUTHWARDS HO" Rolf - "Dyed in the wool" PY/160/ swl w/FYINFC writes that W1BB's sigs 579 0400-0500 June 11. Also hrd unidentified sig tune up 1806 at 599. Shows N/S dx good in their winter/our summer. ----- G3POA June 11th at 0315z after two wks of severe magnetic storms 1825k/459 - QSO'd W1BB/1 1803/469. DHJ German ship shore stn used as marker 1830 kc was 569 - same on June 15th ALL OF WHICH PROVES that DX CAN BE WORKED IN THE SUMMER

JAPAN/USA/KA9AK/"Cas" -- Has been doing a super job of monitoring WNU/KPH/WCC to determine best times to QSO USA - his latest reports indicate that WNU/New Orleans peaked 579 Nov 15th -1200^{to} 1230^z at 589 Nov 9th !!! KPH usually puts a 579/589 signal into Japan. It is significant that WNU does so well indicating that Japan/ MID WEST USA QSOs should be possible - who'll be the first??? WCC/East Coast USA on the other hand is rarely heard in Japan and VERY VERY weak/ altho has had QRN on that 2036 Fy mostly. ALSO "Cas" has already this season worked W7DOL/Nov 10, Nov 11 from 1324/1350z, Nov 12/569-1335z-KA9AK/569, Nov 14 1328/589, Nov 15/339/1350. ALSO wkd W6ERS/339/1235 his 559 Nov 12, K6DVD/569-1410/20z. His 559 and W6QHQ/339-1420/30 his 549. WNU peaks abt 1200/30z "Cas" 1890 kc approx often listens and calls during WNU peaking periods. QSK 1998 and 1801-5

DAYLIGHT DX -- Supplementing W2RAA's extensive ~~tests~~ tests G3VYF reports that he works GM3SVK, 700 Miles 559 Both ways at 1830 GMT (6.30PM) quite regularly. --- DEC/66, W8GDQ/Willie solid QSO'd W7DOL 5PM EST and Wa4PIX also hrd W7DOL - Nice!! Any more DAYLIGHT data? W9CZT also "THE ROCK"!!! G3VYF reports that ZB2AP/Ossie putting out VFB 1.8/579 Sig into G/Land. ~~MI~~ /Mike operates 160 occasionally. ZB2AY/G3UPK expected return to G/Land Nov. Anyone need ZB???

~~=====~~ AUSTRALIA COMMENTARY on 160 de VK/swl ALLEN-Former active G.swl Geo Allen nw at Perth/Australia listens and listens for 160 sigs but nil - sez "I certainly miss hearing you and rest of gang/160. Just cant believe the HAMS hr end B so apthetic abt using this valuable territory - more likely losing it. Bug there it is - there isnt one single HAM in VK6 who is prepared to spend some time on the band, and so far as I am aware VK5KO is the only person with any sort of interest. I would have thought that the work he has done would have encouraged some of the others to take an interest in what goes on, as he has shown what can be done with a bit of effort. I heard KPH/2045K S.F. 339 July 14th - 1745gmt 7600 Miles Geo" -- TRUE John VK5KO deserves Credit fr his VFB 160 wk

~~=====~~ G3PLQ/mm/John, w/new RADAR endorsement, still vy active SWling 160 while traveling around the world/shipboard. Wl Hv TAX soon - hopes fr 160/mm Lic. -- reports New Countries UALSZ and 5ALTY on. John's faithful wk has done much to perk up 160 DXing activity - Tnx and wl b.c.n.u. 67/68

~~=====~~ FALL DX - Oct 22, KL7BW, W1BB, 2EQS, RAA, CRS, 8ANO, Wa8EMJ & otrs QSO'd G3RKH booming in 5-6 5-69-9 fr 2 hrs. BB also QSO'd G3OIT, JVV, RPB. W7DOL was bounding in/QSO'd by many - a vy gud wrng!!!

~~=====~~ WB2VPS/PHIL, welcome back on 160, after an absence of 42 Years!!! Has xtal 807 Tx -HQ120/Rx and LW 35' High - is Ex-9BMY/1924 - anxious to wk DX - Luck Phil Nice hv U back!!! ~~=====~~ VP1PV w/ TAX reported active/160/1803Ke-QSO'd W8ANO Oct 12 9PMEDS?559/559 - Hears DS LW BC Stns very well.

~~=====~~ TRY 1875/1880Ke de Chas/W2EOS who suggests this is a nice quiet spot to work Gs. Word fm G/Land confirms that this is nice spot for them too - who is gg try it??? ~~=====~~ MOVING TIME for VO1FB/Dr. Joe!!! who has done sum outstanding wk on 160 - especially wkg "FIRST TIMERS" - and recommends these tests highly - is moving QTH. Will hv 160 dipole instead of LW. How would you like his problem?? dismantling, moving, re-erecting three 45' steel towers - Grand to hv such FB tower tho. Immagine BX cold there - he sent photo showing ice 2" Thick on his ant last ye'. LUCK, Joe!!!

~~=====~~ LIBYA 5A THIS SEASON???. Army, HB9YL rpts QSOing 5ALTY/Erik w/ special license last season hopes QSO HBs ~~=====~~ on 1.8 - and also get endorsement allowing DXing on 160 - Hope!!!

~~=====~~ ORI 50!!!! Just for the record, and as a word of praise it should be noted that many DX station are getting out VFB using very QRP. Many Gs especially with genuinely only 10 Watts have made it across to VO1FB and W1BB and others. "FIRST TIMERS" nights are an excellent opportunity, when the "Big Guns" remain silent. --- REALLY QRP OL5AFI on 160 w/ 100 Milli-Watts w/ 2XCC170 parallel, QSO G3PLQ/339, PA4PN/559 and gets 5-569-9 from OKs. Have an ear for him!! WHO HAS THE RECORD for the greatest miles/watt on 160??? Write W1BB. ~~=====~~ GOOD NEWS de W/VXO/Herb - Has new job which will possibly require many overseas trips - to BC stations etc - presenting possibilities for TOP BAND operation from maybe new countries and choice sites!! Here's hoping Herb!! Incidentally, in Herb's tests with KL7FRY, his 1.8 sigs were copied 239. Also in tests w/PI2PA found his Quad, closed loop and feedline can act as folded unipole w/big capacity loop on top - wkd FB. Herb has moved now to new QTH in Country, with good grad - lots of space - and is experimenting with antennas. Has tried 2000' L.W. w/ far end terminated on a RR Track!! Ground Resistance only 48 Ohms - where at previous QTH was 600 Ohms from two rods a few feet apart. Also is trying a 1200' BEVERAGE antenna - expects to hv tower moved and up soon, and should lay out a hefty signal as usual. IMPORTANTLY, Herb's plan for DXpedition early '68 coming along fairly well - hopes to activate from IS-YN-TG9-VP2S and maybe some others. Needs more contributions however to help defray expenses. Selling some of his gear to help out too - that's being real dedicated to DXing on 160!!! Everyone anticipating Herb! - luck!! hope you get the necessary. ~~=====~~ W2AJS/Ed VISITED NAA Aug, Cutler Me. drooled looking at those twenty odd 600' towers "Just to have ONE of these for 160" he thought. Operated /1 fm Mt Desert Isl Bar Harbor w/807 & 133' LW in trees. -- Also in May he visited W6YY @ Mt. Wilson (KNBC) El 5500' w/ 132' Tower John drives on 160. Also has full Wv Ant&like VO1FB also has trouble with heavy ice. Wv sez Ed I'm fired w/ 160 ambition, gg home spruce up my 80' vert and full Wv Horiz for 68/68 WNY DXing - best of luck Ed. ~~=====~~ G3OIT/Keith Rpts hearing Oct 22, K4UCQ/569, OF2KH/449, W8ANO/579, K8RRI/589, Wa8EMJ/449 and DL9KRA/59ssb, W1BB/599 "Conix were the best I have EVER heard them on 160

~~=====~~ G3TZZ/John sez VP8JD should be on 67/68 also a9HL (Didnt gv call) ~~=====~~ OK2BOB/"Bob" wkd BB 67/67 - wl b active 67/68 w/ new ants & 616 at VFB QTH - Luck!! ~~=====~~ SINGAPORE/9VILV/Gerry - G3KMQ advises thru W1ORV tt hopes activate 160, fm there 67/68. This will be a big help and interest since 9VILV has left - dont forget now Gerry!! ~~=====~~ MAURITIUS - Indian Ocean, VQ8CC/Steve, GM3MBB ardent 160 DXer (With Don Miller on Rodrigues), w/ 10 watts authorized 1.8-2.0Mc hopes to activate 160 this 67/68. Steve visited W1BB and W2EQS '67 Spring enroute VQ8 - Hope-Hope-Hope!!!

~~=====~~ THOSE BLEEP BLOOPS AGA IN!!! These signals which have been heard below 1800ke for some years - and were treated of in an earlier BULL - have been spruced up with the addition of a very strong one

on 1700 Hz whose sidebands intrude into the 1800-1805 HAN segment, making 1800-1802 useless for DXing. Herb/W/VIO tells us that these sigs come under FCC regulations SUBPART M (1750-3000c) INDUSTRIAL RADIOACTIION SERVICE, section 11.607/611 Max Power 500 Watts (Sure sounds like 30W). This service used mostly in Gulf & California offshore waters for underwater oil well operations. ~~=====~~ HELP WANTED!!! Morris "Bubba" Nadler, 20, Briegton Court, Brooklyn NY 11235, an "un capacitated" W/SWI, apparently has a small stamp business. His Mom writes that he would appreciate any foreign, or US letter & Parcel Post Pkg Stamps you can spare. Additionally he trades in small radio equipment, meters, crystals, cables, surplus gear on commission basis. Can you help, 'Nuff Sed

~~=====~~ CONGRATULATIONS CHAS/12609 for "WAS/160" w/50 STATES!!!! also 36 countries QSO'd on 160 - VFE "Sea - "Agree that 160 Condx not as poor as many say - down a bit from last year, yes! but not bad" See his CQ/1967/W/160/TEST/Rpt in CQ - 66/67 Comparison, Countries active 32/32, Countries logs rec'd 23/24 -- Total Logs 223/211 TOTAL Stations 1325/1194 ~~=====~~ KZ1AT/SAUDI ARABIA - is G3DYV Ross, now back G/Land. Sez power failures & QRM prevented any 160 QSOs 66/67 - hopes to be back again early 1968 and w/ try 160 agn. ~~=====~~ SOUTH GAIKOS ISLAND/VP5AB:: QSO'd by W/VKO 4/27/67 - 0200 for NEW Country 599 Both ways. Herb Comments, Condx unusually good w/ locals W8,W9CZT etc being weak & QRM'd by VP5. Also while Herb was 599 at VP5. W9CZT was quite weak there. "Pipe-Line" propagation VIO to VP5AB?? -- W/VIO used 136' Tower, grounded and shunt fed - 50 aluminum radials each 150' long w/ Mosley TA-36 Triband at 100' Level for TOP-LOADING - Nice!! ~~=====~~ INTERESTING LETTER FROM G3SED -- " Returning last wk I put up 160 Mtr Inverted Vee. Was delighted to QSO almost immediately GNSOW, K2ANR, K1PBN and hear you. - Next evening another QSO w/K2ANR. NOW!!! The band was packed full of Cs both nights, but the curious thing is that no one else even heard a trace of the H1 and Ks stations including Keith G3RFB who had just gotten 499 from GNSOW. This happened time and time again last season from 2200 to 0200 GMT. It makes me wonder if being right on the South Coast of England, as I am, is any advantage for W/DX. The sea is about 150 Yards from the Antenna. This effect is only noticeable at night so possibly evening propagation favors the South. My Ant. is only fair compared to some being used over here, so it's not the Ant."/Mike. (Comment de W1BB - I feel that my QTH on the seashore/l is very advantageous especially to Eu/Middle East and Africa - there may be something to it Mike!!) Salt water has always been considered an excellent L.F reflecting medium, as well as perfect ground. (Suggest keeping track of results over longer period of time. The proof of the pudding is in the eating!!) ~~=====~~ FIRST TIMERS TESTS!!!! --

THE'S to G6BQ, G3SED, VO1FB and W2EQS for their willingness to help out with the TESTS this year. These stations will remain on - at a fy removed so as not to cause QRM - for the purpose of being as helpful as possible to any First Timers needing a bit of help in the way of info - Fy- etc etc. All others in their respective Country, ie all DX or W/VE it is hoped will cooperate and QRY to give the "First Timers" every chance. ~~=====~~ WATCH FOR VP3JD/160 IN ~~=====~~ FALKLAND ISL - W/VE ~~=====~~ NOV 5TH - 1820 Hz ~~=====~~ NEWS

~~=====~~ WAS/160 - That "GRAND OLD MAN" from "WAY DOWN UNDER" !!! sure does credit to himself "And the Fraternity", with his VFB work on 160 -- if it weren't for John, 160 would have died out entirely in VK/land!! For example during the 66/67 Season, his LOG reads like this::: Sep14 qso W/ATA/874 Oct7 hrd K17FRY/569, qso W/VZO/359, W1KGT/469, W8AMO/349 - Oct30 qso W1KGT/469, W2KQT/459 - Dec3 qso W1KGT/339 - Mar8 qso W8AMO/559 - Apr30 qso W/WXW/559 - Sep11 qso VQ8CCR/45.56.9 lat EVER AFRICA/VK qso - Sep23 qso JA3AA/559 - Oct6 qso JA1BHG/459 - Oct8 QSO JA3AA/339 Also qso'd JA3AA/559 Sep 24/25 and when I last talked with him on 20es Nov 17 to alert him, he was going to try and land JAM/CE/FC to complete his "WAC"!!! HOPE he made it!!! TIMES of QSOs average 874/2016z, Ws/1052z, JAs/1930-2016 and VQ8CCR/1802z. VERY interested, keen and alert, John is extremely active on all bands, but particularly 160 and 100% Cooperative with any of the boys wishing 160 skeds, and faithful in keeping skeds. Here's to many more years of HAPPY DXing on 160 with John - and thanks for all he has done to make the band so interesting for so many.

~~=====~~ THIS DXCC BUSINESS on 160!!! --- Some of us talk about "Making DXCC on 160". Well, if you havent made DXCC on 160, you can send in 100 of your 160 card countries and you will get a DXCC Certificate which you made on 160 only. HOWEVER, if you have made DXCC on any other bands or band already then NOTHING happens. ARRL issue only ONE DXCC certificate. They will not issue one for 160 only or any other band, nor give you a sticker saying you have also made it on 160, to affix to your present certificate. The only thing you can get is "Number" Stickers indicating how many countries above 100 you have made. ~~=====~~ working "DXCC on 160" is merely a matter of personal satisfaction, and it would be indeed for any of us who make it, the "Chase" adds zest and interest to our DXing on 160. Now W1BB is getting close to 100 Countries worked on 160 - I have seen various estimates in some of the news sheets up to 98. Actually as of this date it is 97 all time. Of these three were worked prior to 1945, so IF ARRL did give a certificate, to make it legal, one would have to work three more, or 6 total from here on. Let's say 100 countries worked on 160 is 100 countries worked - but BE will struggle on after that to make it 103 and "Legal" Certificate or not!!!

73 de W/VKO

PY/swl/Rolf: :

BEEN so nice hearing from you - thanks for both letters Dec 7th and Jan 29th --- Hope that you are enjoying your new QTH and also the new CAR - Fine on the new job with Burroughs too -,hope it means more \$\$\$

FINE on PY1MGP(s nww QTH and your SWLing with PY1NEW's new drake - that is an excellent receiver!!! Had a letter from PY1NEW for skeds and am looking carefully for him every week nd now - with diligence!!!

THAT very weak signal you heard on 1826 during TEST/160 was CE3CZ no doubt!!! He QSO'd PY2BJH only - and was heard by a W5

WONDERFUL your marriage going so well - best wishes to you and VFB xyl.

HAVE not gotten information on Filter fom Collins yet but will BHVENT heard from Paulo as yet - maybe you can "nudge" him???

YES - my 100 Countries coming close - but new ones are scarce as hen's teeth!!! Know any one in Chile??? or other New ones - YS???

HAPPY DAYS Rolf, and xyl - 73 and b.c.n.u.

Stew/W1BB

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop, Mass.
~~1967/1968~~ No. 2

FEBRUARY 15, 1968

W1BB -- 160 METER DX BULLETIN -- W1BB

de W1BB/Stew ---- WELL!!! a lot of "Dx-Water" has run over the DAM, since last bulletin, and it is most gratifying to note that while conditions have been up and down - as usual - there have been some real good openings, and a lot of DX worked!! Jan/DL9KRA says, 160 IS a DX band. W2EQS/Chas sez, "Who said 160 is dead?" LET me mention a RARE example of HOW good the band was on morning of JAN 28th when Bob/W6NWX, (ARRL Pres.) QSO'd KA9MF/KA9AK for the first ever JAPAN/W6 QSO -- and THEN on the following morning/JAN 29th he QSO'd, G6BQ for an East/West GRAND SLAM!!! This is about 6000 miles West, and 4500 Miles East, from IOWA!!! While the TRANSATLANTIC, and "First Timer." tests have had some bad luck on Cdx - activity between times has made up for it. The TransPACIFIC tests are doing marvelously well, with much excitement and activity, by the JA and W6/7 boys alike, while "Cas Castle KA9AK is operating a veritable LF Propagation research facility, with verticals, Inverted Vs, Beverage antennas, Diversity reception, etc, and schedules every day, assisted by Dick/KA9ZZ who will take over for another year or so when "Cas" leaves this summer. They are bound to do the most impossible and QSO W8, (Hv Hrd W8ANO) and especially W 1/2 by cracking the AURORAL OVAL, thru which the signal path goes. The CQ/WW/DX/Test "Lucked-in" on Conditions Jan 27/28 resulting in the "most fun ever"!! Scores running well over 1967's. This is CQ/W2EQS/W1WY's show, so we'll leave further details for them, except to say that DXpeditioner Jan/DL9KRA as CE3CZ bounced signals into W5 land 449 but couldnt seem to QSO many !! Hopes to be back at 6:30W agn this season. --- WCC confused things a bit (2036Kcs) by being off air since Nov. due to strike by RCA boys - causing some who use WCC as band condx indicator regularly, to believe Condx were NOT good - however should be back FEB16 --- EXOTIC antennas still the most intriguing object of talk and research. JA2CLI who has been crashing the Pacific has, believe it or not, a 160 meter beam!! K3EKO has in effect a small beam - two inverted Vees parallel - as does W1BB, only BB's are closer spaced - 60', K1PBW's excellent vertical on hilltop w/many radials, and two beverage receiving antennas. W2RAA's experimenting w/ Hor. dipoles over extensive ground "Screen" reports excellent results - see above re KA9AK's ants a number of BC Towers in use - Gs 3SED, RXH, RFB w/new extensive ants are throwing excellent signals about - W6NWX, a 700' Hor LW Directional JA/KA. (SORRY to learn Herb/VXO's, and ARMIN/DL1FF's excellent vert. GP antennas both victims of accidents). However. KH6LJ threatens to write article on simple 160 antennas, and their effectiveness - he uses one guy to a beam tower!! - and so it goes. It is gratifying to hear, time and again, the many comments on the friendliness of 160 ops, and their considerate operating techniques. Even the DX/active "UPPER 5KC" of the 1800-25MHz segment is quite well respected by CW/P alike. SOOOOOOOOOOO.... MUCH has happened - MUCH to look forward to!!! Long live our favorite band, and a HAPPY DXing conclusion to the 1967/68 season to you all!!!

b.c.n.u. on 160

73 de Stew/W1BB



FIRST EVER 160 METER QSO from CHILE!!! When "Jan"/DL9KRA as CE3CZ during CQ/NW/160 Test, QSO'd PY2BJH at 0450z Jan 27th. Hercillio 389001, Jan339003. POOR conditions and QRN made other QSOs * impossible, but JAN has left his 160 gear there and is definitely planning to return, and use a balloon supported antenna. Sez much credit goes to CH3HQ, Ingrid, CE3CZ, Arnold and CE3AG, Luchó. Without them this venture impossible. Also tnx to CE3HQ and CE3CZ for making the very successful CE3PC 160 EASTER ISLAND DXpedition the big success that it was. *Hrd K3EKO, W1BB, VE2UG, W4AH, W9UCW,

CONGRATULATIONS TO PY2BJH/Hercillio !!! For the FIRST/EVER!!! PY2/VQ9 160 meter QSO when he QSO'd VQ9JW/John/ALDABRA January 22nd with signals 339 both ways. This is a wonderful feat!!! VQ9JW is still on Mondays GMT0130-0300 1823½ Kes Transceiver and QSK 1822-1825 Kes to early March, when he expects to travelsome of the other Indian Ocean Islands and will try to put them on 160 DX Map!!

FIRST EVER W/ JARAN QSO!!!! CONGRATULATIONS TO ARRL PRESIDENT BOB DENNISTON W0NWX !!!! On THREE Counts. FIRST by making 160 Meter WAC an historic achievement in itself, and SECOND for doing it by a most unusual QSO when he worked KA9WF, (KA9AK)"Cas" Castle during CQ WW TEST 160 JAN 28th 1315z. KA9WF on 1880/449, W0NWX on 1992/437. Bob used 700' long directional wire, 75' High one end, 50' the other, 50w/Tx. This is believed to be the fourth W/VE WAC ever. This accomplishment is due to KA9AK's persistent and ambitious transPACIFIC 160 TESTS to see how far "East" in USA, JA/KA signals can be pushed. Going to considerable work/study, "Cas" has erected Verticals, Inverted Vees, Beverage Ants. TEST Schedules are every day in the week now 1130-1400GMT QRG/1880 QSK 1802.5 and 1992. Hrd W8ANO. Use 5 minute call/listen procedure/Ws leading off. THIS is a most unusual and difficult "Path" which skirts the AURORAL OVAL, and going over arctic ice is deemed by some scientists to be well nigh impossible, especially for W8, W9, W1-2-3 - however HAMS have a record of doing the impossible and so someone may do it!!! CONGRATULATIONS to BOB and also "CAS" for a grand "Show"!!! Now on the THIRD score, the following Morning Bob/W0NWX made it a GRAND SLAM by working G6BQ with 349 reports, reaching out about 6500 Miles West, and 4500 Miles East or a total spread of 11,000 Miles - Nice!!! (Bob wkd G6BQ 13 years ago) --This is REAL DX!!! on 160 in spite of the higher sunspot numbers!!!!

MARKER STATION WCC used the world over as a condition/indicator for 160 meter propagation - 2036Kc CW. Up-shore/Traffic lists etc 24 hours a day. Is due back on the air about middle of February. RCA boys have been on strike since November 67 and WCC off the air - missed greatly by 160 boys.

SURINAM PZ1AH/Andre ON 160!!!! This rare country put on the 160 DX Map by Andre, firstly QSO'd G3SED, DL9KRA, PY2BJH, TG4AA, W2GCU, W1BB/1, K1PBW and others giving many a new Country. Using 75 Watts AR88/Rx, 33' only Antenna Andre is doing a VFB Job/ CONGRATULATIONS and keep up the good work!!!!

W/VXO DXpedition to YS and other NA Countries - it is rumored may be "Off"/Cancelled this spring because of unfortunate circumstances beyond his control - we will just have to wait a while to see how things work out. "Herb" who did an outstanding job on 160 during CQ/NW/160/TEST lost his keyer in XE/land - unfortunately, also. We are indebted to Herb for his outstanding 160 work, and for producing several NEW COUNTRIES for quite a few of us during 1967, and 1968 - THANKS HERB!!!!

CONGRATULATIONS Jan/DL9KRA!!! Worked "FIRST-EVER" DL/PZ1AH Qso Dec8th to Clinch also FIRST/EVER DL/WAC on 160!! "Fly-Boy" Jan hopes to go to CE3CZ again soon, and also 6W8CW this season!!! VFB

CONGRATULATIONS Mike/G3SED !!! For making "FIRST-EVER" G/PZ1AH QSO Dec 8th 0400z w/469 Signal EUROPEAN TRANSCONTINENTAL TESTS ---??? G3SED is sorry there are no European/Japan skeds in which he and EUs can participate similar to the TransPACIFIC Tests, which come at the wrong time to be used by them. His suggestion is that some Eu/JA Transcontinental TESTS Might be arranged at the RIGHT times, which seems a fine idea which we hope will be setup by leading EU and JA stations,

FIRST TIMERS TESTS !!! Have been successful against odds of fair to poor conditions. See FT Dates under TRANSATLANTIC DX TESTS/page 3 for complete information. Popular Demands request them NEXT season

NEED GUERNSEY GC??? - GC3HT will be on 160 0630 April 1 and 2, July 1 and 2, Sept30/Oct 1 - 1968 1813 CW. Write for special skeds. Richard H, Taylor, LaCour de Longue. St Saviours, Guernsey, C.I. (Via U.K.) Eu. (Will also work ALL bands) Writ. him for special sked-sheet.

TRIBUTE TO OUR SWL FRIENDS - Faithful over the years with many interesting SWL reports and also observations, much credit goes to NORMAN SMITH, and ROBERT IBALL G/swls and also VK/swl GEORGE ALLEN. Their efforts have indeed added spice and interest to our 160 meter Transatlantics, and special TESTS - keep up the good work Boys, and best wishes for a long and happy life of SWLing

IF YOU HEAR A STRANGE NEW CALL ON THE 160 METER BAND --"TWO" Letter that is --W3TE -- that's our good friend "TOM" - now Ex K3EKO -- Congratulations TOM and soon that call will be as famous in 160 DX love as good old K3EKO!!!

CQ/WW/160/DX/TEST, ---This season was a "Jim-Dandy". Generally speaking we leave reporting this "show" to CQ/W2EQS/W1WY, but since their report does not come out until August a few remarks are in order. Everyone apparently had a wonderful time. The "Contest Bugs" were out in full force, knocking off 50s right and left, and quite a few over 200 QSOs observed. All except 2 or 3 states were on. At least 20 Countries were on, probably 25/30. The first night CDX were fair especially for local Countries, PZ1AH, PY2BJH, CO2QR, VP7DX, VP9BY, YV1OB, W1FJZ/KF4, XE/VXO, XE2OK -- The second night favored European DX GI3OQR, EI9J, GW3FSP, DL1VW, OK1ATP, OK1AHZ, PA/PPN, HB9TT, GW3KCB,, many Gs and others. To the WEST KH6IJ, KA9AK/MF, and over 12 JA stations including JA3AA, JA1RST, BHG, JA2CLI, JA4AH, JA7LQB. To the SOUTH Jan/DL9KRA was FRUSTRATED!!!! And HO#!!! after planning a vacation to coincide with TEST to put this never before worked Country on 160, on the map, conditions were TERRIBLE - practically no N/S DX at all. QSO'd ONE only PY2BJH. (See Pge 1). VE7AKI as usual made it interesting for many. VQ8CC/Steve didnt make a single contact - hard lines!!! The KA9MF/W/VXO Contact was outstanding. W3DPJ, 234 QSOs with his FIRST transatlantic EI9J. KA9AK made 18 test/contacts, some JAs 25, KH6IJ, 11 states plus KA9, JA2 --PY2BJH, 9QSOs-W1BB/1, W8JIN, W3RRV, W2UWD, K8RRH, W8UOD, PZ1AH, CE3CZ, PY2BKO. Herb/XE/VXO did a superb Job!!! No score yet. --W1BB/1, 180 Qso - and had a wonderful time - up all nights, AX1XK/HKE both nights, proved to myself that at 64 still can "Take it" - although quit early both mornings. Hi!! ALL in ALL a wonderful operating activity. BUT No NEW countries this year

△ *** 160 MEPEP ANNUAL TRANSATLANTIC DX TESTS *** △

THE TRANSATLANTIC TESTS have been going fairly well, although not blessed with the best of condx. Good activity as usual, but this year seem plagued with a new kind of situation. Condx fair BEFORE the TEST hour of 0500z, but after that poor!! Lots of interest and participation however, shows tht the boys keep "digging" even though sunspots trying to make life difficult.

DEC 3::: Wx 25F windy/cldy/QRN high - Nothing hrd first hour except QRN-but at 0605 GI3OQR sho on 1827.5 wkd BB, Hrd K2ANR, K3EKO @0645 gone Freak Condx/No Gs hrd Band not good. W/VE::W1BB/1, FHU, NTX, AW, WY, K1PBW-W2KHT, Wa2VPS, K2ANR-W3PEI, K3EKO, W3AJS, EQS-K8BBI, HKE-W/VEUQ-VE3DU. DX::GI3OQR, G3SED

DEC 10::: Wx 28F, calm, moonlight, QRN S6/7. No Eu except G3LIQ Hrd/QSO'd BB. PY2BJH "Star" of the morning QSO'd W1BB, K1PBW, W1WY-hrd by W2EQS. Other Ws on;W2IU-8EOR, K8VBL, IQQ, Wa8KNJ-9PNE, HXR-EZE 300

DEC 17::: Excellent conditions and hhe first FIRST TIMERS EU/DX Test went well. All EU/DX go QR for FTs except G3SED who did a splendid job helping FTers. First Timer G3VNR put on a creditable performance. Unfortunately W1BB/1 went off the air at 0610 when the whole town lost power/transformer blow up - got back 0745/G3VNR still going strong 449. K1PBW did a most excellent job QSOing 18 DX stations including FEN "First Timers"- That BEVERAGE antenna is doing real fine job Ernie!!! W/VEs;; W1BB, BHQ, DMU, K1PBW, Wa1IOY (Ex-K7DEK/Maury)-W2IU, K2GNC, ANR, EQS, CHO/1-W3MFW, DPJ, Wa3EPT-W7AVV, W8ANO-W9YWO-K3EKO. DX PARTICIPANTS;; G3s-UJE, SJJ, WO, CEG, TKN, QBG, POA, SED, RXH, RPB, UFT, OIT, VNR, BDQ, FTK

SXW, UKB, LIQ, USW, UKP, AMW, NOF, VMW, VBL, VHS USE MLO, HZL-G2WUT-DL6AT-DJ6TR-OK1AHZ-EI9J-GI3NPP -G3OQT G3QBG, G3UEG, G3UBW, Add to Ws/W1DEO, W2AQV, G3UBW sez "Condx Fabulous B4 FT test!!" W8ANO, de G3SED, "G3UXB worked K1PBW and was really thrilled to work his first DX!!!" - An EXCELLENT "TEST" all round

DEC 31::: Condx not vy gud E or W-G3OQT only TransATLANTIC to come thru. However PZ1AH put on a good show peaking 579 at times and QSOing W1BB/1-W2GGL, EQS, UWD-W3DPJ-K3EKO-W2RAA-K8CRJ, W8ANO-VE3O W9BKA. G3OQT QSO'd W1BB/1, W9UCW, W8HOW. Other Gs on G3UBW, VZY, ULL/a -- PY2BJH. Other Ws participating WalfHU, Wa1IOY-Wa2GSX-K9PAW, K9BKA, S-K8CRJ, W8HOW-VE2DDR-VE3QU. K6ANV sez - "My GOAL to work Eu on 160

JAN 7 ::: This, the first W/VE "First Timers" test wasxa "Wash-out" Condx very poor, in fact Test called off at 0600. No Eu DX Hrd by anyone. PZ1AH QSO'd K3EKO, VOLFB. DX PARTICIPANTS;;G3LIQ, UGF, RKH, TSA, UBW-GW5BI-HB9YL. -- W/VE PARTICIPANTS;;W1BB, DEO, NTX, MCO, WalfHU-Wb2VPS, W2EQS, RAA -W3AJS, RFA-K3EKO-W8GDQ, K8DHT/8-VE3CAG-VOLFB - "Dr. Joe" who did a splendid job remaining on, acting as Liason station. INTEREST High and FTers tests will continue by popular demand. Few "Violatoons".

JAN 14 ::: Wx Calm/Cldy/20F-DHJ339, WWV/N6-Cndx not too good PY2BJH was 449/559 QSOing W1BB/1, BHQ, WY, K3NPV. - VOLFB QSO'd G3BLQ. W1BB/1 QSO'dG3BLQ, SJZ, LIQ Hrd PZ1AH. Really a poor TEST.

JAN 12 ::: Not a regularly scheduled TEST - however the following DX was worked. W1BB/1: G3RPB, LIQ, VYF, SED -PZ1AH, PY2BJH-GI3OQR --W1WY:G3RPB -W2GGL:G3RPB, PZ1AH - Wb2OZW:G3RPB-W2EQS:G3RPB. Wa4PXP wkd G3RPB for his FIRST EVER European on 160!!! Congrats!!! W9PNE Hrd G3RPB/259, PZ1AH/349. PY2BJH. W8ANO worked YV1OB 589!!!! and with this strength some wonder if he is a "Phoney"????

FEB 4 ::: Wx clr 32F breeze-queer Condx - not much good -good up to 0330, then came back a 10 le after 0600. Second EU/DX FIRST TIMERS TEST. Congratulations to TWO first timers who made it G3VIY and G3VSZ both 000/110/229-quick peak 339. W1BB/1 wkd G3RKH, VTY, OQT, VSZ. K3EKO wkd G3ORP G3RKH drafted for "Liason" station did a fine job of coordinating matters. Tnx!!! VOLFB/Dr Joe did an outstanding job, QSOing 12 "First Timers" G3SKC, SYM/A, VZY, OXI/P, WGD, UMP, TTZ, WRF, OBF/A, XDV. and OK1ATP (Not a FTer) These were before the set TEST Time - at 0500 Band closed to Eu. "Joe" sez "It seems to me that the customary 0500 is not the best time for TESTS at this stage of sunspots. I propose for the next season's FT tests to start at 0000 - FTers work has been fascinating though

**** FIRST ANNUAL TransPACIFIC 160 METER DX TESTS ****

THE TransPACIFIC TESTS:: Have been received with a wonderful surge of participation and interest and many are saying they MUST be an annual affair!!! Much credit for their success goes to the JA boys - with a 'Big-Hand' also to our own "Cas" KA9AK for a wonderful "Show" - and of course the WEST participants who make them possible. JAS:::LBHG,CQJ,PIG,PVK,CYS,LQV,RST-2CLI-3AA, JM-4AH-7NI AO, KA9AK/"Cas" and assistant KA9ZZ/"Dick" and sometimes use club station Call KA9MF ---VK5KO - and SWL/Allen, who heard KA9AK and others. W/Ves::: W6YY, JU, HRG, AMP, BHZ, CQI, QHQ, GEN, AMO, Wa6TV Wa6QZU, K6ANV-W7DL, LNG, AVV, FP, VE7AKI-Add W6ITY. KH6IJ/Nose "Half way between"!!! Add W6ATM. Signals have gotten as far East as W6NWX whom KA9MF QSO'd Jan 28th - CONGRATS!!! and W8ANO/Hrd by KA9AK. Many West Coast/JAPAN QSOs have been made. JALBHG QSO'd DEC2; W6HRG, K6ANV, W6ATM, W7DL, KL7FRY - DEC 30: K6DVD, VE7AKI, W7AVV. Stalwart JE/160Dxer JA3AA/Shima QSO'd VK5KO 9/23-2003z 559/559;; 10/26 1940z 569/569;; NOV26; 1830z 229/339 -- KL7FRY 10/29&11/19 -- ZL3RB 10/21-1720z. 229/229 -- W7DOL NOV 10, 11, 12, 25 & CQ WW Test. 11/25; K6DVD, W6RW, W7FP, W7DOL, W7SFA, VE7AKI, VK5KO, KL7FRY. JA3AA se "Pse QSK 1910 Kes 1100-1400z" He covers 1802-4Ke and 1998-2000Kes approx. ----- JA2CLI, who is very interested 160 meter DX and is reputed to have 160 BEAM in CQ/WW wkd KL7FRY, W6RW, W7SFA, VE7AKI and first TransPACIFIC test W6HRG, KL7FRY, K6ANV, W6YY, W6AM, W7DL. His rpts averaged 559. WAS using inv VEE apex 105' NE/SW- Congrats "JUN" VFB!!! W1BB had the privilege of "Listening in" to the transpacific TESTS Dec 30 and Jan 13 on W7LNG's TAPE hearing clearly JA7NI QSO W7LN, JALRST, JALBHG Glg CQ, JA2CLI QSO W7AVV, JA3AA/VE7AKI& Otrs - JA7LQB QSO W7LNG, JA3AA Also QSO W7LNG. KA9AK/CQ & QSO W7LNG - JA4AH and an unusual W6CQI/ssb qso solid with JA2CLI/cw. Also JA2CLI QSO W7LNG. KA9AK was putting thru a signal 40 over 9 at times. Most of the JAs peaked 559 to 589. Lots of LORAN was heard but it did not interfere with the JA signals too much. ON Jan 20th W7LNG logged KA9AK JA3AA, JALPIG/569, JA2CLI/579, JA7AO, VE7AKI/599, JA3AA 589. JA3JM reports hearing DEC 2; KL7FRY/569, K6ANV/569, W6YY/569, W7DL/459 and WORKED NOV25 KL7FRY, NOV26 W7SFA Hrd VE7AKI/579. JA2CLI reports working NOV26 KL7FRY/579, W6RW/569, W7SFA/559, VE7AKI/559 - DEC 2:: W6HRG/559, KL7FRY/599, K6ANV/559, W6YY/559, W6AM Hrd. 339 -W7DL/449. DEC 30 SWL/Allen - who is doing a good job covering 160 sea "A complete flop here - not a single HAM-not even VK5KO- nevertheless this idea of TransPACIFIC test series was a happy thought and has already borne fruit at least on one date"!!! Add the following JAs JALCYS, JA2CXF, JA9LR, JA8CTU. CHEERS!!! To W7FP who worked 8 JAs in a row;; KL7FRY, (W6G a 'Pioneer' on 160 in this area for the last two years has returned to the States-sorry!!) NOTE!!! KA9AK wishes it known to DXers that 1992 Kes is the most QRM/free Fy to call him on. This is the best report W1BB can give, not being close enough to them to take part and cover each test personally - TransPACIFIC DXers are urged to turn in reports each TEST if possible. BEST Wishes to the West Coast GANG, the JAs and all the PACIFIC area 160 meter DXers - keep up the good!

**** SPECIAL ITEMS ****

MORE ON DAYLIGHT DX!!! ***W2RAA/Ed "And Co" are still conducting NOONTIME DX 160 meter TESTS for the second year. During NOV, DEC ed Hrd K9PAW/57, W9UCW/589, YF/456, CZT/459, PIH/459, Wa9EYY/479, KAUCQ/469, Wa6SQ/449. Fys 1800-1810Kes/cw. 1805-1815Kes/Phone. 12.00-12.30 NOON EST every SUNDAY. W1, 2, 3, 4s lead off at Noon w/5 Min CQ. W8/9/p use Odd periods - everyone is invited to take part. Ed sez one needs a Quiet QTH, Good Rx w/Mechanical Filter if possible, Good Ant. He uses 64' Vert, or Horiz Doublet over 250 ground radials and screen (35000' wire total!!!) HRO5/Rx, DX100/Tx. Max distance QSO'd 850 Miles. This DX about equals European Daylight DX worked. Send reports to W2RAA.

PACIFIC MARKER STATION WWVH ---- To get a good "Band Condition" Checker station in the Pacific has been a problem. However, I believe we now have it. Listen for WWVH (Hawaii) 2500 Ks, the fourth minute of every 5 minute period. He will give his station Identification in ICW and Phone while WWV QRXs. Then the 5 Minute WWV takes over. I plotted a beautiful "PEAKING" curve by noting his signal strength every 5 minute period for an hour the other AM while on sked with KA9AK. He peaked 1155-1205GMT. Of course this will vary with conditions and time of day. Should be a pretty good indication of how the band is to the WEST. In 1956/57 we used NHY in Lyette/Africa - de W1BB.

PARTS WANTED by CT1CO/Manuel!!! ---- Writes --"If w/HAMS wish to help us in a material way, if they would send some PARTS marked "Samples", in unsealed pkgs weighing 1/4 or less, there would be no trouble w/Customs over here -- such items as transistors, Rectifiers, Navistors, Special VHF & UHF tubes, 416B, 417A etc, transistor sockets, Ceramic Capacitors, Trimmers, LV Electrolytics and also Ta electrolytics, for Transistor Circuits etc - these and similar items are expensive and hard to find locally" --- Can anyone help Manuel????

ALEX ALEXANDER Ex/W6KIP-Now W6ML ---- Formerly VERY active on 160 - Obtained his 160/WAC certificate in 1964 working G5PU - writes that he missed 160 greatly but the noise/level is so strong that it has pushed him completely out of the picture. Back in 1966 W1BB hrd his signals 569 about 2/3rds of the way across the Pacific, one of the two or three times he was on that year - a happy coincidence, We all miss you Alex - and are sure sorry about that NOISE!!! Shouldnt have happened to YOU!!!

UNUSUAL TEST OBSERVATIONS de W9PNE-INFORMATION WANTED ----- Brice was QSOing DL1FF on 1802 Kes with good signals both ways. Brice decided to try 1998 Kes. DL1FF could not hear W9PNE at all - not even a trace of his signal even tho 1998 was clear Fy in DL/land. So he went back to 1802 Kes - and signals all OK.. ANOTHER time, he tried the same TEST with G3PU and the same results. OK on 1802 by NIL on 1998. Would you think 1000Ke would make so much difference??? HAS ANYONE ELSE RUN SIMILAR TESTS OR OBSERVED SAME RESULTS????? ----- On the other hand - a very RECENT report from W0NWX Jan 28th says he couldnt work KA9AK on 1803 Kes but QSY'd to 1992 and BONGO!!! FIRST/EVER W0/KA9(JA) QSO This case might have been partly due to fact that 1803 in KA9 is quite QRM'd, whereas 1992 all clear

WELCOME HERCILLIO/PY2BJH NEWCOMER on 160!!! ----- Who opened up Nov 26th QSO'd PZ1AH - hrd W1BB, W3AJS/1.2RAA, G3RXH and others. Used 25w Tx w/R4A - nw has T4X. Multiband Ctr Fed Zepp as inverted L Soil treated at 3 points to lower resistance-is at 3 ohms. Wks well TXing but reception the problem All sigs weak. Planning special Rx ant. "Either Ant the problem or sigs have been "One-Way" SA to U this summer". Sigs peak around 0400 - gone by 0530. QRG 1827 Ke. His brother PY2BKO will be on in future w/ T4X also. 42 Yrs old/Electrical Engr/Govt RR - also does lots hunting and fishing -hunts COTIAS, MACUCOS etc, red Deer, Wild Hog, Many Fowls. VFB Hercillio - wish we could hunt with you.!!!

GREETINGS to PZ1AH/Andre --- O.T. Ham from other bands, now putting SURINAM on the 160 meter DX map and giving NEW COUNTRY to many of the gang!!! Regularly on the band weekends. VFB/Andre/Tax!!!!

BEST EXPEDITION NOTES de JAN/DL9KRA -----*****----- POST EXPEDITION NOTES de JAN/DL9KRA!!!!!!

1. SENEGAL/W8CW:: QTH Westernmost point of Africa-200 Yds fm ocean -"Ant 300' #28 Xfmr wire strung fm highest point hotel to lower bldg - 3 hrs erecting - loaded beautifully w/small ATU/35w i 6KM6. Hd Supper-got on full of expectations - WOW!! QRN unbelievable -anyway Cld CQ - Cud hr mani Stns cld me - at 2300 G3RPB came thru fr FIRST/EVER 6W8/160 QSO -- then did not believe my ears when W1BB/1 with superb signal on 1824g came in fr FIRST/EVER 6W8/USA Contact. -- By now cud notice many unreadable/QRN signals - a real pile-up between those sordid continuous static crashes - nearly seem me CRAZY - was sorry for those I cud not identify. Following this wkd --NOV6 G3LIQ,RXH,SED,SZA, W8GDQ,W4BGO-second best sig fm USA,like BB, peaking over S9 -K8RNE,W0VXO,W2EQS,KLPBW,K2ANR,W1DEO - Cud hv wkld 30 stns except fr vicious QRN. In evening wkld GM3SVK,G3RPB,W0JIN -- NOV7:: K8BBI,W2IU,RA K3EKO,W0VXO ags,Na8EMJ. Found cause of QRN on flying out of Senegal !! An active INTERTROPICAL front fr of Cumulonimbus to 40,000 Ft. This meant MEGA WATTS and GIGAWATTS of QRN energy blasted onto 160 from only 350 miles away!! Will be back here again fellows however!!! de JAN (Expected bk this Spr

2. EASTER ISLAND/CE/PC:: "Used Chilean air forces radio station w/biggest antenna on island w/ Vee beam 300'/Leg,100' High - what a wonderful site and SIGHT!!! No QRN-Revq Cndx Excellent. Cud hv easily read sigs on spkr. Boy was W0VXO 599 moaning thru - FANTASTIC!!! Pity the boys didnt hear me well. Incredible sig strengths noted. Pitfall was QSB/long deep fades w/cycles of 2 to 10 Minute each. W4BGO 2nd best sig. KLPBW remarkably stable signal. No 2mc Contacts but listened & Cld. NOV17 Wkd W1BB/1,KLPBW. Hrd W9UCW,W2RAA,W0VXO,W2KHT -- NOV18 wkd W0VXO,SANO,K3EKO,KLPBW-Hrd. W8GDQ,JIN, K8CRJ,Na4PKP,W4BGO,W2RAA - NOV 19 Hrd K9XWO,W7DOL,K8RBI - NOV20/nll .

3. GENERAL REMARKS de Jan/DL9KRA -NOTE Carefully!!! ----- (A)"Many fellers wasted their time, especially when Cdx peaked, cld W8CW too many times, instead of sending their own. I already knew MY call - and they were Cld me - but DIDNT know THEIR call!!" (B)"Pileups were no problem as Fys spread over 3 to 4 Kes" (C)"160 IS a DX Band" (D)"Quite a yr fr me on 160 - first Eu in WW 160 contest score ---QSO'd VK3BM & ZL3RB in Month April/March. Probably new world record 160 phone SSB Entry CQ/WW/DX/Test -- Skeds w/ VP6JD & CX3BH failed in OCT -- CE/PC/W2EQS FIRST/EVER Sept - and th last two DXpeditions above. (E) CEPCZ Vacation/DX-edition JANUARY FIRST/EVER 160, fm that country/ QSO'd 1 and only contact in CQ/WW/160/TEST, PY2BJH - Frustration nt to wk otrs - but "Will be back" (F) FIRST/EVER DL/PZ1AH to Clinch WAG/160!!!-MIMI (F) "Xyl happy in spite of all this" ----- Many CONGRATULATIONS Jan - wonderful job - keep up the good work - ALL of we/160/boys appreciate many Mo

ANTENNA SAFETY LINKS de W1BB ----- Having in mind the possible heavy icing of antenna wires - as experienced by V0LFB last winter, over 1 1/2" diameter - and the consequent weight and possibility of breaking antenna and/or supports - and the extreme hazard, and/or impossibility of getting the antenna back up there in the dead of winter - a catastrophe for a 160 DXer like me - when I put up my Inverted Vees at the "Tower", by the Sea-Shore -- at either end of the Vee legs, I put a length of No. 16 Stranded Plastic covered wire between the insulator and the guy rope. The idea being that if extreme weight happened, this weak link would break and simply let the antenna END fall to the ground. Well-- this has never WORKED due to ice - HOWEVER the other night, as I was QSOing GI3OQR, there was a crashing sound and the SWR went up over 100 and W1BB/1 was off the air!! Investigation showed that a 20 ft long, 200 lb guy/rod on the tower, supporting some airplane warning lights had broken away due to rusting, heavy wind, cold wx, and the upper end fell against the NE Vee leg on it's way down. The Antenne SAFETY LINK on the far end simply BROKE - Fortunately - and the antenna end simply fell to the ground and was easily put up again by replacing the link. No damage whatsoever to the Antenna - very fortunate in the dead of winter!!!

SPARE TRANSMITTER de W1BB ---- Along these same lines - as the ANTENNA SAFETY LINK - having in mind that my Valiant Tx might KONK "OUT" someday at just the wrong time - in the middle of a NEW COUNTRY QSO, or the CQ/WX/160/DX/TEST for example, I purchased a 2nd hand VALIANT for a "SPARE", installed relays, w/one push button to INSTANTLY shift ALL CONTROLS/POWER/RF etc from one to the other including the Variac. This W1BB has tested out each week and shifts perfectly (Except once had a little trouble with dirty relay contacts in keying circuit). WELL!!! The other night, in the middle of a P21AH QSO - Darned if the Valiant No. 1 didnt quit -- pushed the "PANIC BUTTON" and was INSTANTLY on Valiant No.2 and my QSO with Andre not interrupted - it WORKS!!! Suppose it had been middle DX TEST!

***** MISCELLANEOUS TOP BAND ITEMS *****

G3PU/ERN LEADING O.T. G/160 METER DXer, always a LEADING station for many years has had some hard luck. 1966/1967 was working real hard/health not the best/had to get all sleep possible/couldnt keep up the taxing/sleep losing 160 skeds!! --- This 1967/68 Season is all OK, was looking forward to 160 BUT recent GALES took down his 70' mast on the Cliff Edge, and chances of re-erecting it this season are slim!! However, he has a much poorer half wave ant, and MAY give it a try - sez "Anyway at least I can listen"!! Sure vy sri Ern OM - hope next yr U'll B back with everything restored "As-Was"!!! G3TZM/BILL GIVES G/Land QRM SCOOP Bill lives 300 yds fm G3SED/Mike, sez he operates a bit under some difficulties on 160!! Using his VFB 160 & 6AM6/807(Miniature) Tx & 84' Long, 36' High, Inverted Vee, end fed. GIVES us helpful info viz "There are fish-fones on 1808,12,16,27,34,41,55 Kc. HI-FIX DECCA Navigation Beacons on 1825,80,90,1905 - a number of "Buxzers" on 1799,1825,1910,2000 - DEJ/1830.5 BEST Fys for Gs to wk on when band clear are 1820,21,22,23,24,28.5Kcs. That's it!! QRM from "Fish-Fones" here terrific-makes life difficult when QSO/DX"!! Thanks a Mc Bill OM - Sorry!!! REALLY "HARD-LUCK"!!! Herb/W/VXO returned from NY trip to find that a contractor moving his "Beam-Tree" had gotten it up - insecurely-fastened it weakly- and over it went inan unexpected wind ruining \$1600. worth of Tower/Beams etc - sez "My Ins. Co claims it was faulty workmanship - while the antenna Co sez it was high wind-doubt: if I can collect at all" - We're sure crying in your beer with you Herb - but like your "Never Say Die" spirit of continuing on 160 with the best ant possible to get up. Those photos all that wonderful stuff lying there on the ground twisted and broken sure are pathetic!!!!

THE "TOP" and THE "BOTTOM" bands??? K1DIR just got QSL crd fm CT1CO for his 160 meter QSO in 1963 - sez "Hv wkd Manuel on two bands, 50Mc and 1.8 Mc - This is a rare occurrence!! Congrats Bob. G/Land VISITOR G3SWH/Phil:: Enroute fm his ship (Ro-Opr) home for Christmas, stopped to see W1BB, also W1BB - had VFB!! visit with Herb. W1BB gave him a real "Whirlwind" tour of W1BB/1 and W1BB while shifting planes in Boston. ONE HOUR to W1BB, W1BB/1 and back to the airport!!! We QSO'd in 1965 - nice to see you Phil!!! QRP EXPERT O14AFI:: Now has new call OK1ATH - luck to you JARDY!!!

EDOC" ELASI W4NKD:: hopes to get on 160 and enjoy the "Fun" soon. 5Z4LE/UGANDA-E; G3RBP/ROGER:: Been hvg difficulty getting on 160 - License and rig problems - sez "Dont worry abt getting on at the earliest opportunity!! Being kept off of Amateur Radio, ESPECIALLY 160 for nearly 2 years, is like being forced to give up smoking!! I'm "Keen as Mustard" to get going on 160!!" - Best of luck Roger - that's the real 160 spirit!!! WELCOME LARKFIELD AMATEUR RADIO CLUB W2HAE/K2 NC/Wb2UKA on DEC 17th, Before first FT test - 290' BC Tower Ant loaded VFB. BUT strong QRM 1624-27(Too Bad) at first blotted out everything except EI9 then cleared and we wkd G3SED/589,RKH,PCA - however "Accessibility and physical discomfort to this tower site is dependent on the Wx - but we intend to give it further "Go" - Tnx WB2IQG).

ONE LUCKY HAM-NEWCOMER-W4CXE/Gary with DX/100 trimmed to 50w, right off the bat, QSO'd G3RBP to get a 559. Hrd P21AH, VO1FB and other Gs Nov.25th/67 - sez "1826 good clear fy my QTH" - VFB Gary/CONGRATS VK/awl-George Allen sez:: (DEC6) "Covering 160/no DX except KPH peaking 599 "Fantastic" at S.F.'s dawn dawn - pity no W6/7s on - cud hv hrd easily" Goes to show us one never knows when condx may peak!!!

BOB SNYDER Ex VS1LP is nw in TANANGER, NORWAY w/AMOCO OIL CO, bemoans fact that 160 is NOT allowed in LA/Land - a real tough break for "Dyed in the wool" 160 meter man like Bob US'n 160ers too!!!

WALLOY Ex/K/DEK/MAURY!! We East Coast boys are very happy to have an active "7" 160 DXer now with us. Maury uses T4X,HQ145 and 540' LW. QSO'd Gs,EI etc already - Welcome East and Best of DX Maury!! REAL "AM" DX on 160 when Willie/18GDQ QSO'd ZB3RB on 1876/1877 Kcs VFB Willie - Congrats!!! ZL3RB NEW PROSPECT FROM KENTUCKY Wb/F K (de Ernie/K1FBW) Bill interested getting started on 160 DXing with 325' vertical/ground system 17', 200ft buried copper radials and 50'x50' wire mesh screen, and tuning system at base that matches it swr, 1/1 - soon as he can "get Ready" we should be hearing a V signal from KENTUCKY -- Thanks for info Ernie., and Best wishes to you Bill fm the "Gang".

TR1 TO AUSTRALIA by W6JU/M - sez "The only real confirmed 160 man I met was John/VK5KO @- is retired with much free time and says he can arrange a 160 meter schedule at ANY TIME for ANY ONE if they will just write him - he is really anxious to accomodate" (Quite typical of John De Cure!!! The only other VK I met he can work 160 is Bill Sievers VK3CB - he hasnt wkd much DX due to Regv Conditions - but is retired and has the time" --- "I(W6JU) work with John W6YY at Mt. Wilson. We hv wkd JA and hope these transPACIFIC DX TESTS will continue every year." Tnx Mort!!!

B! de Maury

FLASH!!!! FIRST EVER!!! Pioneering "TRANSPACIFIC" 160 METER DX TESTS - announced.
 Because of the interest and very good work demonstrated by the Japanese Amateurs, supported by the JARL and their Government, (JA/CQ Magazine 9/67 are to be complimented on the JALBHG special feature "QRV-160" --- JA3AA on his splendid 66/67 Resume of activities, and JALCR for his regular news items etc.), and to increase fun and further interest in 160 meters throughout Asia and Oceania - this series of "TESTS" for the 67/68 Season is announced.

These will be similar to the highly successful annual TRANSATLANTIC DX TESTS, organized originally in 1932 through the foresight of W1BB G6FO/S.M and others, and held every year since.

DATES are DECEMBER 2nd, 16th and 30th. -- JANUARY 13th -- February 3rd and 17th - START of tests,

TIMES - as on Transatlantic Tests, must be set to embrace Sunrise on the Eastern End of the Path, or on the "WEST Coast", (S.F./L.A.), USA Pacific Coast, with allowance to reach further East into USA/VE --- and will be 1330GMT to 1600 GMT. --- DX who wish also to try the "EAST", or ATLANTIC Coast W/VE can start at 1130GMT to coincide with ATLANTIC Coast SUNRISE peak conditions.

During these TESTS special efforts will be made to establish new records.

PROCEDURE:: W/VE stations will call "CQ DX TEST" the FIRST 5 minutes of the hour, or half hour, and alternate periods thereafter - listening between times. -- DX will call CQ DX TEST, the 2nd, 4th, 6th 5 minute periods, and so on - listening between times. ADHERE to this schedule of calls and listening except when QSO is in progress. Use authorized frequencies. W/VEs WEST 1975/2000k - EAST 1800-1825k --- JAS, 1907.5-1912.5k --- ZL/VK and other DX 1800-1860k etc.

These TRANSPACIFIC TESTS should become as exciting for HAMS and SWLs alike, as the Transatlantics have been. ALL HAMS are reminded to be alert for unusual DX openings anywhere over DARKNESS paths, particularly at sunrise or sunset times at either end of the path - just as long as the entire path is in darkness, and at or near sunrise, or twilight at either end - this is when 160 meter signals "Peak" !!

REMEMBER - these are "TESTS" -- not CONTESTS !!! --- for pleasure in an unusual operating activity without competition, and to develop propagation information which makes a worthwhile contribution to the art of RADIO. You fellows who enjoy "fishing" for the RARE ones will really enjoy this! -- You'll have to give it all you've got - but when you make contact after many tries, there's nothing like the thrill you will experience!!! -- Akin, no doubt, to that of Marconi, DeLoy, Schne Schnell, Reinartz and Godley between 1901-1924 when they made their first L.F. DX accomplishments.

All HAMS and SWLs please send your resumé LOGS/Notes/Reports of TESTS to W1BB for logging and reporting to magazines. DX are encouraged, in addition to reporting to W1BB, to also send HOT and UNUSUAL results and news items direct to their own interested publications or organizations.

REMEMBER!!!! Keep exactly to your respective transmitting and receiving periods, unless in QSO. Set Your Clock accurately by time tick, just prior to each TEST.

It is anticipated that Earl/KL7FRY at Shemya Island, Aleutians, Alaska, as well as Nose/KH6IJ will take an active part in these tests, assisting and operating on the W/VE time periods, but cooperating in such a way as not to QRM the weaker and more distant stations on either side.

JAS known to have worked DX thus far are -- JALBHG, PVK, RST, CJQ, GIV - 3AA, JM - KA9MF. Other DX expected -- ZL3RB/Mick, VK5KO/John and other unexpected ones - which makes it most interesting.

These TRANSPACIFIC TESTS this season is a "Trial" activity, which will either be continued or abandoned, depending on results, interest and activity and wishes of the HAMS involved.

HAPPY TIMES, GOOD HUNTING, with the BEST OF DX, fellows!!! 73/Stew/W1BB *Stew*

BEACON STATIONS KPH/Pacific Coast/2045Kc, WNU/New Orleans Mid USA/2048/5Kc and also WCC/EAST COAST USA/2036Kc, 24 Hour CW Ship/shore Traffic stations are excellent for checking BAND CONDITIONS - have been used most successfully by many DXers already.

THUS "Tests" run from 5.30AM-8.00 AM W/VE Pacific Coast time ----- and 10.30 PM Saturday evening to 1AM Sunday Morning Japanese time

FLASH!!!! FIRST EVER!!!! Pioneering "TRANSPACIFIC" 160 METER DX TESTS Announced
 DATES :: DEC 2,16,30 - JAN 13 - FEB 3,17. --- Oceania/Asian 160 Meter Stations try to QSO
 TIME :: GMT 1330-1600 GMT W/VE stations.
 FYS :: W/VE - West/1975-2000k, East/1800-1825k --- JAS 1807.5-1812.5k -- ZL/VK 1800-1860
 CALL :: CQ DX TEST in 5 minute periods - listening between. W/VE lead off 1st period of Hr or 1/2 hr. Set clocks accurately. Keep to periods unless in QSO - similar to Transatlantic Test procedure. REPORTS:: to W1BB, also your favorite publications
 - de W1BB -

NOTICE
 JAMES

1968/1969 series 160 METER TRANSATLANTIC DX TESTS ---- Will be held the following SUNDAY evenings, from 0500-0730 GMT. December 1st., 15th., 29th., -- January 12th., -- February 2nd., 16th. During these "TESTS", special effort will be made to establish records and work new countries. ----- W/VE stations call "CQ-DX-TEST" the first 5 minutes of the hour, and alternate 5 minute periods thereafter, listening between. --- DX will call "Cq-Dx-Test" the 2nd., 4th., 6th. 5 minute periods, etc., listening betweentimes. Adhere to this schedule except when QSOs are in progress. --- Use authorized frequencies. W/VEs East 1800-1825, W/VEs West 1975-2000Kc --- Europe 20-1830Kc AND!!!! 1850-1860 Kc!!! --- 2L(3RB)etc. 1876 Approx. --- VK(5K)etc. 1902Kc approx. --- 1930-1970 (Unfortunate Band-ORM'd by LORAN here). NOTE: The USA East Coast band now extends from 1800-1850Kcs. However we are requesting W/VEs to keep clear of 1820-1830 during DXing periods - let us try to "Sell" this idea. If it doesn't work we may have to concentrate on 1841-1861 Kcs in lieu of the TRANSATLANTIC DX "Tests", held since 1932, symbolic and reminiscent of the original pioneering transatlantic crossings by Marconi, Deley, Schnell, Meinertz, and Godley 1901-1924, are "Lots of Fun" With sophisticated antennas and receivers, today's crossings are more frequent and one might say, "I don't need any more TESTS" --- however, this unusual activity IS Different, exciting, and a welcome change from "Routine" QSOs - one must be alert for unusual DX openings from most anywhere over a DARKNESS path, particularly at sunrise, or sunset time, either end of the path, as this is when 160 Meter signals "peak". Many make their "First-Ever" 160 meter DX during these tests. (ALSO, see special "FIRST TIMERS" tests below). Also, if you are looking for NEW COUNTRIES, now is the time. These are "Tests", not Contests, run for pleasure in an unusual operating activity, without competition. Besides the fun, development of PROPAGATION information, makes a worthwhile contribution to the art of radio. ----- SEND your reports after each test, to W1BH, for logging and reporting to the magazines. Send HOT or unusual results, news/items etc., direct to your favorite HAM publication if you wish - but copy to W1BH/DX/Bulletin, please!! ----- Remember, keep the test periods accurately - setting your clock by "Time-Tick" before each test.

SPECIAL "FIRST-TIMERS" 160 METER TESTS

The results for 1967/1968 were not as good as '66/'67 - due partly to lucking out - and getting poor conditions on test nights, also partly because more "First-Timers" are making it "On their own" during regular tests, and DXing periods - nevertheless "First-Timers" tests are again listed for this season as follows::: Europe/African "First Timers" (All others QRT/QRX) December 15th., and January 2nd. ----- W/VE/NA "First Timers", (All others Please QRX), January 5th. and March 2nd. TIME 0500-0730 GMT. --- ALL of those on one side, or the other, who have already "Crossed" the Atlantic, or worked Real DX on 160 before will ~~not~~ QRT/QRX - ie - stay off the air entirely. Unless on a Py that does not interfere w/DX "First Timers". This gives the QRPers, New Comers, Beginners, Neophytes, etc a chance for their "THRILL of a LIFETIME" - working real DX on 160!!! NOTE: That two of the "FT" tests coincide with the regular Transatlantic Tests. This should not hurt O.T.ers - to sacrifice one or two evenings to assist these boys. Only complaint heard about these tests -- "What do I do if I hear a rare and juicy DX I haven't worked before???" -- ANSWER: IF it IS a real rare NEW country, never worked before - work him QUICKLY as possible. get it over with and off the air - to give a clear field for FTers - OK????!!!! ----- If it happens that the "FT" tests do not go any better than last season, then in the future we may, try it like this. All FTers when calling CQ/DX, call "CQ/DX/TEST/FT/FT", then have it understood that O.Ters will turn to, give QZ, etc and do whatever possible to help etc. How do you think this would work out?? Comments???? Best of luck "FIRST TIMERS" - have FUN and much HAPPY HUNTING!!!

"SECOND ANNUAL" '68/'69 Trans-PACIFIC 160 Meter DX TESTS

ENTHUSIASTIC participation in the "First/Ever", inaugural 67/'68 160 Meter "Trans-PACIFIC" 160 meter Tests, by the JA, EA, W1VE and Oceanic/Asian DX Boys alike, together with the wonderful results achieved, and the unusual thrill of "WORKING DX THE HARD WAY" - has brought forth almost unanimous acclaim that "They must be continued" each year ---SOOOOOooooo..... Here they are!!! DATE: 68 November 30th. --- December 14th., and 28th. --- January 11th. --- February 1st and 15th. These are GMT starting Dates. (Jan 25/26 it is expected will be CQ/W4/160/Contest). TIMES::: GMT, will be 1330z to 1600z. Thus, the "Tests" run from 5.30AM to 8.00 AM Saturday mornings, W/VE Pacific Coast Time. This is 10.30PM Saturday Evening, to 1AM Sunday Morning, Japanese time. ----- As on the TRANSATLANTIC tests, these times are set to embrace SUNRISE at the EASTERN West Pacific Coast USA end of the JA/W Darkness path -- with some time allowance to reach further east into the IRL/Indian areas (Continued)

Trans-ATLANTIC and Trans-PACIFIC 160 METER DX TESTS in BRIEF

ANNUAL TRANSATLANTIC 1968/1969 160 METER DX TESTS

DATES:: Dec 1, 15*, 29 --- JAN 12th --- FEB 2nd*, 16th. *("First Timers" Dates also)
 TIMES:: 0500-0730 GMT
 Fys:: W/VE-"East" 1800-1820, - "West" 1975-2000Kcs
 EUROPE 1823-1830 and 1851-1861
 CALL:: CQ-DX-TEST, alternate 5 minute periods, Ws leading off. Set clocks accurately.
 Keep to periods exactly, unless in QSO
 NOTE:: "First Timer's" TESTS DEC 15/Ea - JAN 5, W/VE - FEB 2/Ea and MAR 2 -W/VE.
 REPORTS:: To WIBB and/or your favorite news media.

SECOND ANNUAL 1968/1969 TRANSPACIFIC 160 METER DX TESTS

DATES:: NOV 30, - DEC 14, 28 - JAN 11 - FEB 1, 15 GMT Dates!!!!
 TIMES:: 1330-1600 GMT Saturday - GMT Date/Time
 Fys:: W/VE-"West" 1975-2000Kcs. W/VE-"East" 1800-1810. JAs 1907.5-1912.5 Kes
 ZL(3RB)etc 1876 Approx. VK(5KO)etc 1802Kcs or 1827 Kes approx
 CALL:: CQ-DX-TEST in 5 minute periods, listening between calls. W/VEs lead off first,
 period on hour and/or half hour. Set Clocks accurately. Keep to periods,
 unless in QSO
 SPECIAL:: JA/SUNSET Tests --- Same Dates but 0730-1000 GMT/Sat or 11.30PM Friday, to 2AM
 Saturday, W/VE Time - and 4.30 PM to 7.00 PM JAST Time.
 REPORTS:: To WIBB, and/or your favorite news media.

IMPORTANT SPECIAL NOTICE de WIBB

ALICE, my beloved xyl/W1DQF, has suffered a severe heart attack. Fortunately she is making a steady, although slow recovery. In the coming months, and years, she will require a lot of help on my part, and someone with her most of the time, which is of course, GLADLY, my No. 1 Priority.

HOW much time will be left for my usual 160 meter operating, Schedules, Bulletin work, correspondence, etc., is unknown. Naturally I will be "Present and accounted for", as much as possible.

HOWEVER, Please keep this in mind, if I'm not on the air so much -- if this Bulletin is smaller, late, or omitted entirely, or if your letters are not answered promptly, or at all. Will do my best NOT to drop 160 activities, but only time will give the answer - undoubtedly though, they will QSB a lot.

SORRY, in more ways than one!!! ESPECIALLY for this lovely XYL, who has always encouraged our 160 meter activities, and so kindly helped many many times in getting out this bulletin.

de Stew/W1DQF

SPECIAL ITEMS

"160 REUNION" ----- Sponsored by "Barry W9UCW, at Mineoka Illinois, August 4th was a tremendous success, and a rewarding experience for about 100 attending 160 meter HAMS, who started arriving early Sunday AM, and the last one leaving abt 10.30PM! (W2RAA). Activities were discussed, DX, Equipment, Antennas, New Rules, Procedures. K9PAW brought his VFB mobile rig, W9SQE/Doe his 160 W transistor/Tx, W4GDH, W4DX, K8CRJ showed slides of equipment layouts. W9PNE who couldnt attend, sent me his Japanese Contact/Equip/Ant/Etc/ --- Bob W4DX Denniston, (Ex W4NVI) brought VP2VL LOGS and personally delivered QSLs to all entitled. All agreed Bob is VFB Booster for 160 and Couldnt be more deserving of the title "ARRL-President". ---- After lunch/Dinner, a general thinning out took place - but long serious discussions in hamshack took place between W4DX, W9YYG, K9PAW, K9YND, W2RAA, W9UCW reference riding noise problems in cities, vert vs Horiz ante, DX Fys, Rag Chewers Fys Etc. General consensus - than an effort should be made to move rag chewing above 1825 Kes leaving the botom 25 Kc entirely for DXing. VFB report/Barry - Nice Show!! We who couldnt make it are

NEW DX SITUATION ----- (Brought about by change in Fy allocations). HERETOFORE, with the USA 160 band 1800-1825 (East), Most DX could be in the clear of W/VE QRM by operating 1825-1830 Approx. with the additional spectrum 1825-1850 opened up to W/VE, DX finds no QRM/Free SANCTUARY there. signals in this area are subject to possible severe QRM. ----- HOWEVER, a Compensating circumstance, in that the 1850 LORAN has been moved to 1900, makes immediate frequencies above 1850 say 1850 to 1860, fairly good - but with some weak LORAN QRM on the East Coast w1-thruW6 - about the same as previously on 1825-1830. Actually the whole area 1850-1875 may be usable for DX. Time will tell the story, but if DX can move up above 1850, this for East Coast Stations might be better than previously as APPARENTLY, there is a big "VACUUM" left on and near 1850 by the moving out of the 1850 W Loran, which is we 160 DXers are fast and smart enough, could be filled by DX Stations moving in to good advantage. There is a "Fly in the ointment" however, in that W9, W/ get severe LORAN QRM still on 1850 and above, which would make it worthless for them. Therefore it is not a universal solution to the problem created. SO where could DX move that would also be acceptable to W9/W/??? DX has thought of asking all DX to move to 1990-2000 Kes - this might help - except it is quite probably many of the DX are not allowed to operate in this region. Also, if you use an antenna cut for 1800-1850 for transmitting, to receive on 1990-2000 there is about an "S" unit signal lost, (Per tests conducted by WIBB) unless you have a tunable antenna. The problem is what do we do??? It is suggested that this situation around 1850 Kes be watched carefully - and both the old spot, 1823-1830, and the new spot 1847-1860 kes be tried, to see which works out best. Also hoped that some can try 2000 Kes. It seems that for the time being, schedules and frequencies will have to be arranged specifically for best results - "Playing it by ear" - while we get some experience, and more ideas on what to do. HOPEFULLY, the non-DXers who would be operating 1825-1830, or 1820-1830 could be persuaded to QSY during the DXing periods by mutual agreement???? There's a pretty good bunch on 160 - this might WORK!!! Or the division of the band into CW and PHONE segments, and then reserving a portion of the CW band for DX stations. WHAT'S YOUR IDEA????????????????????

STATISTICS ----- An interesting summary of WIBB's 160 Dx activities since 1954 follows: :

1. SEASON	-- '54	'55	'56	'57	'58	'60	'60	'61	'62	*'63	'64	'65 ^Δ	'66	'67	'68
DX QSOs	-- 26	19	20	10	4	5	11	30	38	124	168	121	59	80	
CNTRIES	-- 13	7	4	4	4	6	6	13	21	29	29	28	24	31	

1. Indicates season with starting year, ie '54 is 54/55 Season.
 2. TOTAL different station QSOs Sep1-31AUG, No repeat QSOs with same station counted. Note that results seem to follow sunspot cycle somewhat.
 3. Total Number of DIFFERENT Countries worked. Worldwide activity is increasing yearly now.
- * '63 was first year at the "Tower" w/265' High Inverted Vee, at seashore.
 Δ WIBB was on ORIENT trip 3½ Months during most active part of the season.

HB9YL/Fred - Silent KEY: (de HBSNL) ---- "With consternation I tell you that Fred is "SILENT KEY" August 21 from heart apoplexy." -- Fred was a most active HAM in Switzerland on 160. Our deepest sympathy is extended to ANY, HB9YL, his lovely xyl, also a 160 meter enthusiast. For ourselves, we shall sincerely miss Fred and mourn his passing - to a new and better life however, where we hope there will be the equivalent of 160 meter DXing -- but here, WE will feel his absence deeply.

FALKLANDS VP8KF/John Wright ----- Expects to put this NEW COUNTRY spot on the 160 LI Map this Yr w/100 Watts. Prefers skeds but will do general operating too. Write G3SJJ for skeds. QSL/Mgr is G3TUV. This is a WONDERFUL occasion - here s hoping for some good openings - best of luck John!!!

GRENADA BWI VP2GBR/Dave (de K1OZR) --- Formerly G3UUR, Dave expects to be on 160 this season w/50w and variable Fy Vert. Dave w1 Be on 20 SAT/SUN 1800-2000s, 14200-14205Kc. 160 Fy 1822-1825 Approx QTH ½ Windward Islands Broadcasting Services, Grenada BWI. Heres another nice one - Luck Dave - To

VIKXO/KVA Herb/Virgin Islands:: ----- Is doing a most excellent job "Coordinating" 160 activities and spreading information, in the Carribbean area. Before he gets thru he will be getting some RAR places activated for we "Country Chasers". His VFB signal on CW/SSB is terrific here in USA, and he is working DX to boot. QTH: Quality Telecasting Corp of the Virgin Islands, 31A King Crees, St. John's, Santa Cruz, V.I. --- Wherever VIKXO/HERB is - there is a big boost to 160 DXing - To

NEW GUINEA:: ---- Was sharing up nicely for 160 by VK9GN who was preparing for Trans-PACIFIC Etc. - Unfortunately, for which we are sincerely sorry for he and family, sickness at home in USA called him back and all had to be abandoned. HOWEVER, VK9KS/Keith is going to pick up the "Baton" -- HAS an 1803 Crystal. Will be vacationing November and December, but on his return expects to be QTH an EXCELLENT Tx. QTH - w/ 120' Towers - should make it!!! Tax a Ma Keith - we'll b.c.s.u./160

ESPECIALLY by the JA Boys who by now have the JA JAA VFB 160 Meter DX Bulletin No. 5 Sep. 28, with the TEST Schedules and full information. Isajai Shima, editor and leading 160 DXer is doing a VEB coordinating efforts. If you can read Japanese, send for his bulletin, 1137 Furuichi, Habikino, Osaka, Japan. ** W7ZC/Dave has been active since Sep 1 w/500' L.W. & 14XB. Expects to hit the Transpacific HARD!!! ***** W6GEN/Dale looking forward to TESTS, Sez lots activity "West" w/ W7GLL, W6ANY, W6BT, W6AKO, W6ZFP, WB6JSY, K7PLR, K6CXE and many others. Says there are lots of JA/SWLs and during last CQ/160 TEST rec'd 16 different SWL reports. Luck/Dale-Nice!!! ***** W6AKO/Ken sez, "I'm all set w/much improved Ant. and will be in there "pecking" even the we in Calif w/ B 3DB down due to the new regs"!!! Sri/But betcha can do it anyway!!! ***** W6BT/Ed W6HRG/Frank sez "I am very interested and pleased to note that JA/SUNSET tests have been arranged this season. W7FP/Stan and myself worked KA9MF/Cas on the JA SUNSET path, back in 1966, 1130p PST Dec 17th. Signals peaked 559 on both ends for 7 minutes. Repeated this a week later/Dec 24. Dec 10 hrd hm bt ednt raise. In each case there were a number of W Coast witnesses BUT no one else could hear KA9MF except the station working him. W7FP could not hear him when I QSO'd, and I couldnt hear him while W7FP worked him. This suggests JA/SUNSET Dx conditions are VERY directional, as well as being of very short duration. There has already been lots of 160 activity here on W coast from stations with Drake "4-Line" Equipment". Excellent report Frank and CONGRATS -- apparently the FIRST!!! JA/W SUNSET/160 QSO!!!! ***** W6RN/Roger sez "With reduction in power to 1/2 old rating, W6 Boys are severely limited and the "Added" Fys we got are useless because of LORAN -- doubt if I can whip up much enthusiasm under these Condx" --(Give it a try anyway Roger! G/boys do VFB with 10 watts) CONGRATULATIONS your 160 QSO/QSL, Z8BJ and W6GTA/Q74 - VFB indeed!!!! ***** VK/SWL/Geo Allen w/ b active. Now hears KPH (SF) (Oct) Consistently 0200-0300PST, WNU (N. Orleans) peaks 5 7/8 9 indicating good path Condx. Geo is very keen and successful DX/SWLER. Happy season Geo.!!! ***** PEARL (M) NEWS Mag. "The Voice of the Far East Auxiliary Radio Operators" is covering and carrying TransPACIFIC TEST skeds/Data/News etc - VFB and Trx!!!! ***** WB6MCK/Al, plans for 1200' LW fell thru - must settle for 240', sez "Listened to W6VXO/7 JA Test Recordings - Fantastic!! Simply cant wait for season to start - I know I've found my "Niche" in "Ham" life for sure now - 160!! Best luck Al/Hope 160 "Pans-Out" VFB ***** SOUTH PACIFIC/VK5KO/JOHN -- "Old Faithful", will be active again!! Hears WNV/Colorado, WNVH/Hawaii 2.5 Mc regularly 449 & better. John once worked G6CJ/Du' Charman, of "Shadow Edge" theory note, on 3.5, 7, 14, 28 Mcs within 42 minutes and interestingly, G6CJ heard VK5KO Sep 13 '68 and is working to make it a 5 Bands now by 160 QSO/Luck Boys!! You can depend on John - if it CAN be done he'll do it!! ***** VK5BS/BARRY who has hrd W1BB, W8, W4, W6 during this SEP and is boosting 160, expects to be active w/50' Vertical. He and VK5KO vy gud friends - Cheers!!! ***** JALEHG/ART checks in - sez - KPH very strong SEP/OCT. Has new HOMODYNE Rx vy Quiet on 160. Is boosting 160 in JA CQ MAGAZINE for which he has the 160 section. Was FIRST JA/KL7 ever QSO!!! In 1966. CONGRATS/ART ***** W6CQI/Dick opened the season QSOing JA2CLI 349 7ampPDT, followed by W7FP at 7.30PDT. Was used TAB/TAX w/ single wire dipole - 160' Vert-80' Horiz. CONGRATULATIONS Dick!!! When W7FP QSO'd at 7.30 JA2CLI was gone at W6CQI who sez "SHOWS how narrow the "Window" is!!! APPARENTLY VFB Transpacific season ahead for 68/69.

SUMMER and FALL 160 METER DX

PY2BJH/Hercilio: --- has been on regularly, early part of summer - credit to him - keeping the weather "Hot". Had skeds with VK5KO & SE3JO. Jun/15 wkd GX1UL, PY3APL and W1IOY/449 @ 0825z -- JUN 29 hrd W1BB/1 579 MAINE 0330z Also JUN 16 549. 23rd Hrd also W6VXO/4 589, W3FE/569, W8ANO/569 between 0345-0530z. Wkd PZ1AH 0345. JUL7 wkd W1BB/1 MAINE 0600-0645 459/569 PY2 was 229-449. --- KS6CN skeds set up by W6VXO/4 June 22/23 1805 - No Results. W1BB/1, 2EQS, 3FE, 8ANO, 9NFL & Otr /Lard W1BB QSO'd G3ERN and G3XDK 7/28/68 --- VK3GU QSOs W1BB Sep 21st fm 1006-1035z his signals rose fm 399 to 569 then dropped out rapidly 1035z, BB was 459/569. A full half hour contact like this is unusual. Almost at EQUINOX time, Sep. 23. Equinox time is the time to QSO VK/2Ls etc best. --- FALL/G-SWL/IBALL (Bob) - Reported W1BB's sigs SEP18 0510-0522 3/1, 5/9 w/local TV and fish Tons splatter & Power Line WRM, also local HAMS Clg BB on BB's Fy. Trx Bob - b.c.n.u. Often/Hope. --- G3XDK "Broke the Ice" 349/459 1829Kc Jul 18 QSOing K1PBR/569 at 0300z - followed by W1BB who QSO'd at 0313 and also G3ERN 239/349 at 0350. A nice opening and good omen for this coming season. --- Hercilio PY2BJH QSO'd BB 449/569 until 0525z. PY2BJH 339/349 - Not Bad for SUMMER Dx - Eh??? --- VK5KO/John came thru 1827Kc OCT 8 220-449 for CONTACT with W1BB/449 through HEAVY local VK "Rag-Whew" QRM on BB's fy. (It is hoped VK boys w/ "Check" band for DX especially during EQUINOX and other TEST periods, so as not to QRM DX QSOs in progress).

MISCELLANEOUS ITEMS

EGCHO/Bill: Who did very well on 67/68 TransPACIFICS w/Ranger & 585' DW & 75A2, expects to be active again 68/69!! ----- G3VSZ/Gerry: is "Rarin to go" 68/69 with Ant raised 15' Higher and plenty of Grnd Screen. xyl sez "If you put much more wire under the Grass, we'll have WIRE GRASS"!! Luck!!

G3RRO/John: Who made his first crossing last year wkg W1BB/1, VO1PB & 2C4RB has spent many hours in living earth system. Anxious for DX aga 68/69. This shows what happens when you get that first thrill of a DX 160 QSO - you want MORE!! VFB/John. ----- "Lighthouse-Andy" GW3UDZ: Want to work a 160 station in a lighthouse??? The only one in the UK!! Look for ANDY, who QSO'd W1BB/1 2/18/68 using only 10 watts - has VFB LIGHTHOUSE QSL!! Sked or look for during regular operating activities

----- KH6LJ/KATASHI NOSE: Busy Boy!! In Japan this summer operating as KA2LJ. August went to VR2, Fiji - then Boston Mass USA at HARVARD U for winter - then back to Japan, summer of 69 - then back to Hawaii. Only trouble -this doesnt leave much time for DXing on 160!! Promises, (Thru W2EQS to hit 160 hard 69/70 season. Nose gave FB talk to NEDICC meeting OCT 5th. Is gg to write article on how to work k60 DX with a 50' Guy Wire for antenna!! What he uses in KH6. ----- G3RXH/Howard: DEpeditioned FX1 ANDORA this summer, carrying 160 gear along - but AIAS!! authorities would NOT allow operation there on that band. Listened in however - hrd Eu stns nut nil elsewhere. VFB try anyway Howard - keep up the good work!! ----- HF1R/Peter: Formerly 160 reliable, became scarce on 160 for 2 yrs, Now,account of having to travel a lot between Peru-Ecuador-Panama-Puerto/Rico etc Wkl 9.68 by BB on 20 sez "PLEASE PASS MY BEST REGARDS TO ALL THE 160 BOYS and tell them I promise to do my best to get on later this season" - vfb Peter-bona!!! ----- G3SED/Mike: Is home after a years absence w/new FB QTH on 450' Cliff overlooking the sea - still must travel some - but hopes to hit 160 often!!! ----- VK/SWL/ALLEN: Sez "much activity in VK land now on 160! --I am afraid some of the DX boys are becoming 'blaze' about DX, even on 160 - some dont turn a hair over a report from way down here" Sad but true!!! ----- G3CQT/Dick: of considerable G/DX activity and also accomplishment is still in USA w/xyl studying Computer work. Hopes to have reciprocal license, w/ suitable QTH/Ant to take part in season's DX - Fine!!! ----- G/Land "WIRELESS WORLD" Magazine: Thanks to John Claficotes, OBE, G6CL, and formerly Gen'l Secy RSGB 1930-1963 will carry 160 meter DX news in their Amateur Radio Column. CHEERS!!! & Many Tnx John!! ----- G3XAF/Phil: w/Base loaded Vertical & 300' Copper radials hopes to work some DX 68/69 - Sez "My appetite for 160 DX is really whetted - hope to have a go with balloon ant too"!! vfb Phil/luck!! ----- K1KSH/Gary: Ha. 160 ant 175' up and putting out a really terriffic signal - got 589 from DL9KRA, and w/VXO/KVA already - WONDERFUL!! Happy DXing!! ----- G3TZM/Bill: Author of vfb G/Land QRM Chart, and proba the only HAM in existence to see his antenna from periscope of submarine from 4 miles at sea, has wkd 20 entries/160 and hopes to up score considerable this 68/69 - is also vy much interested in "DAYLIGHT DX" on 160. ----- PY/SWL ROLF RASP: Establishing himself in a "DREAM" QTH atop a mountain overlooking Niteroi, The Bay, whole of RIO 2/Sugat Leaf & view towards open sea, Islands, Lagunas, etc with ZERO degress horizon all around -- will be absolutely QRM/Free - Only one neighbor a CBer who wks all of S.A. w/5Watts fr there. Access by Jeep only. Most importantly Hopes/Expects to have "HAM" ticket in 1969. CONGRATS Rolf - we'll be CN U on 160 -NICE!!! ----- WA1DWL/Dick: (17Yrs end-introduced to 160 by K1L77) NEWCOMER to 160 sez "I'm really happy with the fine oprating procedures and clean signals on 160, found on no other band - proud to be on - look forward to many happy years here" - FB/Dick. ----- K1LKV/KEN: w/RCA/Burlington - been all summer on 160 - found QRM like Comm'l operating - was visited by W3AJS - vfb evening discussing antennas - very interested in V.L.F. - has MacKay LW RX - gets GBR/GQD/NAA etc. Recommends reading "PROPAGATION OF RADIO WAVES AT FYS BELOW 300kc" - been looking for salt water Marsh QTH - found one site - only \$25,000. !!! Climbed 60' pine tree and got his flat top ready for winter -- last winter it got snagged at 20' all winter. - Best wishes Ken. ----- W3AJS/Ed: O.T. 160 DXer, had "160Vacation" fun in Maine/1 @ Bar Harbor this summer. Developed som theories regarding effect of sea fog and temp change on 160 propagation. Used 132' 40m Db1t 50' High w/Feeders Joined. Hopes B active 68/69. (W3AJS was hrd by PY2BJH last season) Hope U QSO him Ed w/ur 600' Center Fed Db1t Zepp. ----- WA4TXX/Jim: Is "Gung-He" to work JA & KA!! Hrd KA9AK last season 239. Now Has Inv Vee/160 - Ranger/R4A Tx/Rx. (KA9AK not on this yr - has left KA land - Hopefully KA9MF will take over but no word yet) ----- OK1ATP/Jarda: Has New Rx & w/1 QRV/160 this season - VFB/OM!!! ----- Eu/DX EXPECTED ACTIVE: G3VSZ/Gerry, XGC, VMW/Steve, TZM/Bill ----- W/VEars EXPECTED ACTIVE: WA2IZS, W3MDE/Jack/w.6146 (DXCC 318/334), WA4RGH/Pat w/ Inv Vee & 20m Tx. ----- W4BRB/Gene on w/32V1 Converted to 100w/160 been interesting KS6CN in 160 - reports KS6CN, with a little encouragement may be on soon!! right nw active on 80- and doing VFB. ----- W4VXO/KV4 Herb: CONGRATULATIONS!!!! First ever 160 QSOs with VP2GBR (who was using JOYSTICK ANTENNA), and PY2BJH/first PY/KV4 - Nice going HERB CONGRATULATIONS to G3ADH: Who with 10w and Inverted Vee, in very restricted location wkd W1BB 10/20/68. Ant used to carry his Rx 1 mile to base of wooden lattice tower w/Vee and set up for each operating period - this was rather "ROUGH" especially in the winter - sometime finding after all that effort that the band had gone out, or wasnt in, or QRM/QRM "Impossible" - EZE vfb Art

Py row
13!
1/21-69
W1BB

FEBRUARY 1, 1969 W1BB -- 160 METER DX BULLETIN -- W1BB 1968/1969 - No. 2

de W1BB/Stew ----- WELL!!! We started off this season with "Optimism", that 160 would have some pleasant surprises - and it HAS!! Conditions have been better than anticipated -- MANY MANY Trans-ATLANTIC QSOs, quite a few TransCONTINENTAL/usa, and even as far WEST as KH6GLU, who is on quite regularly and doing a VFB job indeed. Conditions seem ripe for VK QSOs, since VK/swl/ALLEN who is regularly logging "Marker" stations in USA, reports hearing VE3QU, K2GNC, W8ANC - also K2GNC has had VK5KO, "Faithful-John", 449 - all this between 1100-1200Z ----- Interest in the DXpedition angle is running high. DL9KRA/Jan, just completed his CE3CZ sojourn, working a few, although Condx weren't the best. PJ0CC & PJ0MM made wonderful "Shows" of their DXpeditions. "JAN" still hopes to hit CE0 & F08 this Season - has been to both places and made antenna/site surveys. ----- KV4FZ/W0VXO/Herb hopes to do some Island Hopping, if things can be arranged --- and of course "GUS", the GRAND-MAN of DXpeditions, is about to shove off - has 160 gear all set ready to go - 300 watts of it. ----- NEW COUNTRIES are showing up, or expected, viz PJ0CC, PJ0MM, VP8KF, VP2GBR, CX3BN, TF9AA, CE3CZ, ON4, 9A1VF, KP2BQ, CE0PC, TA2AE, ZB2AY, PY2BJH - and Goodness knows where "Gus" will show up!!! - And others!! ----- OF INTEREST this season, Eu Dx is working further WEST. W0NFL QSO'd OKLATH Dec22 - and there have been many W4, 8, 9, QSOs. ----- FIRST TIMERS nights:: European FTers Vy active w/big participation, & hit excellent Condx. Fr Example Dec15, 54!!! G's took part. K1PBW/Ernie made a "Killing" st nite w/his BEVERAGE ant. working 22!!! DX stations!!!, many of them FTers. W/VE interest in FTers TEST seems low however, and cooperation about observing silence for FTers, poor, and in future, we may omit the W/VE FTers TESTS. ----- HR9CM has established regular Fys 1853 & 1827 fr elg & is on OFTEN - QSI 1800-10, and 1930-2000Kcs. ----- W7ZC sez "Easterners" dont listen enough fr WESTERNERS which is probably true, and band is open many times when QSOs possible if folks on. W4LDM/Jack has come up with suggestion fr TransCONTINENTAL/USA Tests, which is being given serious consideration, fr next yr - any suggestions Gang??? ---- The TransPACIFICS, going slow but sure - lots of interest and participation, and while quite few QSOs hv resulted, condx hv not bn up to those over ATLANTIC path. Our attempts, and those of "Gas", KA9AK who surely made DX history last Yr - to get KA9 on 160 hv failed. Havent bn able get KL7 on either but are HOPING. ---- CQs Annual WW/160/DX/TEST, w/ Charlie/W2EQS as "Mc" is a GRAND affair - most upon us - here's hoping fr EXCELLENT Condx. ---- We hear many ANT tests over air. Verts, Vees, HOR, L, LW etc -- Consensus is that whatever the Ant, GROUND Radials, Screen etc pay big dividends. Balloon ants getting gud workout by KV4FZ, DL9KRA, K1PBW/S, & Otrs - have their advantages and DISADVANTAGES ---- YES, there's lots of "Spirit"/Interest and FUN, as well as just plain HARD WORK going on 160 this season - and there's bound to be more VFB results achieved, by the "Pioneering Spirits" found on good old 160!!!

HAPPY DAYS always - best of LUCK -- and HAVE FUN!!!! 73 de Stew/W1BB

FLASH ITEMS

VP2GBR/Dave/G3UUR - CONGRATULATIONS on "FIRST-EVER",;: 160 Meter operation fm GRENADA W.I. Using Inv. Vee 75' Apex, SX101 & 100w HB Tx, QSO'd W1BB/1/599, DEC 27 0400z rec'd 339 - then QSO'd K1PBW W2IU Dave deserves much credit for assembling sta. getting on air/under difficulties. Borrowed QTH receiver/key. Had Tx troubles but finally came thru w/ flying Colors and will be on to QSO all possible until his return to G/land March '69. Sez he wl leave some H&M there on 160 when he goes!!

"JAN" DOES IT AGAIN - CONGRATULATIONS DL9KRA for ANOTHER EXCITING CE3CZ OPERATION :: Opened up w/ 250 Watts on 160 to Inv. M "L" at 80' erected by friend Arnaldo/CE3CZ. Jan 11 QSO'd W4BGO, W2IU, W5MC W5MCO, K2GAL, W2EQS, W3FE, Wa4JVS - Hrd G3PQA, ZB2AY, W3FE, W9UCW --- Jan 12 Condx had deteriorated a lot but QSO'd W1BB/1, W8ANO and W1WY, possibly otrs. --- Jan then left ~~XXXXXXXX~~ for CE3 & F08 but not long enough to set up and operate. However surveyed antenna sites and QTHs for future operation, this Yr

CONGRATULATIONS to KH6GLU/Ed :: Who w/100w, 500' Vee Beam and HR050 is making real "Splash" on 160 out 'tha in Pacific, wkg JAS, W6,7,8,9,VE7 - also W3DPJ & K1PBW!!! Thanks Ed for adding this grand interest as a key "Half-Way" station in the TransPACIFICS - keep up the good work!!!

BIGGEST DISAPPOINTMENT OF THE SEASON!!!! To the 160 Boys was the failure of PY/DX DXpedition to St Peter/St Paul to come on 160 Nov 16,17,18 -- Plans called for operation on 1827/QSX1805. Nov 17 word came thru DL9KRA via PY/DX on /O, they would activate 160 at 0300/18th. W1BB QSO'd them on 10, rec'd this Msg. "SORRY OM BUT THE EQUIPMENT OF 160 DOES NOT GOOD WORK. WILL NOT BE ON ~~160~~ 160" Because of the pile-up on fy we did not take time to ascertain further details - however many who were QRI were REALLY shocked!!! & Disappointed. --- NOW, explanation comes via PY2BJH, Hercilio, as follows::: "Complete instructions were given Plinio/PY7ACQ regarding 160 operation & Antennas. W1BB DX BULL sent him airmail. Warned not to trust kite ant as predicted wind too light for it. They took 5 rigs including T4X/RAA & Bulky Generator. When ship neared St.Peter/St.Paul rocks, sea was very rough, Wx Bad - 3 Rigs, including T4X for 160 were seriously damaged, when they at last reached the Rocks, risking their lives. THEY also were terribly disappointed NOT to work 160 -- Hope PY7ACQ may operate 160 fm Fernando de Noronha Isl. Someday. He used to go there often" -- Tnx Hercilio. SALUDOS and CHEERS to Plinio/PY7ACQ and his group for this valiant try - we too are sorry for their sakes, as well as ours, but admire the courage, bravery and perseverance - here's hoping that someday they may go back again under better conditions and operate fm there on 160.

SPECIAL ITEMS

THE CQ/WW/DX/TEST on 160!! ---- The day before the Tests Nov 22 - condx were fabulous w/Eu emg in 59Plus. Next day, of TEST start Condx had dropped "Fair to good". Nevertheless quite a few QSOs ensued, principle of which was PJ/CC w/W1FJJ at key on 1827 Kc who QSO'd many many Ws Inc. W6GP, plus G3VUM and Hrd DL9KRA. G2PL wkd 4Ws. VK3QU was Hrd by VP8KF - CX3BH/Horace, QSO'd VP8KF for KF's 1st 160 QSO who then exchanged signals w/G3SSO. KF hrd PY2BJH and KV4FZ, vfb!! - Wa4IDM w/20w wkd KV4FZ, PJ/CC, W1FZJ/KP4 w/ 579 rpts!! - W2RAA wkd 5 stns, 3 Cntries w/PY2BJH & GW3FSP --JA2CLI wkd W6GP, ISA, QHQ. - JA3AA wkd W6CQI, QHQ -JA7CQB Qso W6GP. W1BB 6 Zones, 12 Cntries, Score 1044/DX VP5AA/W1WQC/"HAM" did very FB Job QSOing Wa4SGF, BGO-W1BB, K1PBW/8-W2FJ, GQR, 3MSK, 8ANO, HRV-VE3QU. Then he got home quick enough 25th to "wrap it up" working PJ/CC from home QTH/W1WQC. "Ham" is a very versatile FLY BOY HAM, with his own plane to go hither and yon at will - pretty nice eh???

PJ/CC CURACUSO on 160!!! The NNJ DX ASS'N boys and the Potomac Valley Radio Club Boys, deserve a big hand from the 160 gang for activating this rare spot!! Involved were W1FJJ, "Prime-Mover" on the 160 angle, W2ADE, W1TX, W1EOB, W1BIH, K1ANV, W1BCD, W4GF, W4ZM, W4KFC, YWX, W6PR, W7WJB. During the CQ/WW/DX/Test Nov 23,24 coming on 1827 at 0300 each night they gave MANY a NEW Country on 160. Using DRAKE T4X and LW Ant. They also (W1FJJ, K3NPV, W1TX) came on, day after TEST to give quite a few added Contacts, including W2RJJ for his first ever 160 DX, and W1WQC/"Ham" who just returned from CQ/TEST at his VP5AA Stn. Besides W/VE, N & S Americans, they wkd G3VUM. Hrd DL9KRA 0500, 24th and "6GP/579. Condx were quite gud and sigs averaged 559/599 both ways. THIS shows what can be done w/160 on DXPEDITIONS when the boys REALLY give it the "College-Try". CONGRATULATIONS to them and keep up the good work, They used 540' LW over Salt Water, making 59 160 QSOs - 6100 Total TEST Contacts with a score over 8,000,000 Points - probably an all time record - CONGRATS again.

PJ/AMM SINT MARTIN a NEW ONE TOO!!! --- Pandemonium broke loose about 0300 Oct 25th when Les/W9ZTD operating PJ/AMM limbered up 160 for the CQ/WW/PHONE/TEST by making a few "NEW COUNTRY" CW QSOs for the 160 gang. Among those known to wk them W1BB/1-Country #101, K1PBW/8, W2RAA, W2EQS-Country #62, W2ITN, Wa4SGF, RGH-W4BGO, Wa8ABD/9, K8DNT, W8GDQ, W9YYG. CHEERS!!! Congrats and Tnx to Stu Meyer's "DXPEDITION OF THE MONTH" Boys for this consideration. The actual PHONE Test, was plagued by severe QRN, but despite this they QSO'd many W/VEs incl W1AX, BB/1, K1PBW/8, W2RAA, ITN, ECI --

W3CN, K3HEY, W8GDQ, CI, K4CG-W/VXO/KV4-K5LJZ, W9YYG & Otrs. -- W1BB can appreciate the terrific QRN they were experiencing - having been Comm'l Ship's Operator in this area on 600 Meters in the "Good Old Days". You HVE to personally experience it to believe it -- MUCH Credit is due these boys for their persistence and making these contacts thru this murderous QRN!!! Tnx a Mc Gang!!

EUROPEAN TransCONTINENTAL 160 DX :: Plans for DX fm Eu to Japan, suggested in this BULL 2 yrs ago are slowly "Cookin". JA3AA, G3SED, DL9KRA/Jan who flies to JA occasionally, are trying to get some started, as announced for FEB2, and 15th. JA Stns QsX 1823-27, JA stns operate 1907.5-1912.5, from 2000 to 2200 GMT. Send reports to JA3AA or W1BB. No reports yet on Dec 14, 28 or Jan 11 Skeds.

TransCONTINENTAL/USA TESTS???? ----- Wa4LDH/Jack comes up with a good suggestion ---"To help some of the East Coast and West Coast boys get some of the DX States from each other, how about a few EAST/WEST, TESTS/USA, some weekends to help all of us up our "WAS" Totals, such as W6/W7 etc. Call "CQ EAST/TEST", and W1,2,3,4, Call "CQ WEST/TEST" and give the Fy we are QsX on???? VFB Jack - any other comments gang???. Congrats/Jack, 34 States plus PJ/CC, W1FJZ/KP4 & KV4FZ w/QRP, 20w-nest EXCELLENT. --(Note:: Try any Sunday fm 0800-1200Z. Call CQ DX Westcoast low end 1.8 Mc, 1800-05 and listen HIGH end 2Mc 1965-2000Mc. This has been traditional fr wkg E/W on 160, and both coasts usual give a listen/Try then -pretty early hours though!!! (See also W7EN Remarks herein, later). Hw????

"FOR GOODNESS SAKE"!!!! --- Sez W7EN ---"Tell the gang back East Coast to LOOK for us on 1975-2000 I knew I speak for the Gang Hr - many more QSOs would result if we were looking more for each other --- "A word to the Wise is sufficient" -- Lets have some comments boys re this EAST/WEST matter!!!

ATTENTION 160 METER FANS !!!!! So sez our friend Wa6NW/Marty Hartstein, 5349 Abbeyfield St Long Beach Cal 90815, who adds --- "Change any 80/75 meter dipole or inverted Vee into an efficient 160 meter antenna. Adapts within Seconds, right in the HamShack. Ideal for residential areas. TOP BAND SYSTEMS' MODEL 86ADP 160 METER ADAPTOR. \$4.75 ppd." -- Althe BE hasnt tried one, sounds like a very good deal for those who want to get on 160 the Quick and Easiest way from other bands. Marty, who became active on 160 this yr, an 18 yr old Electronics Major in College, sez "I enjoy operating TOP BAND Immensely using DRAKE TXE/R4B unit"- with one of the above ADAPTORS to his 80 Mtr Inv. Vee FE

SENDING VERY SLOWLY ----- VK/SWL Geo. Allen missed call letters of weak DX Stn sending S0000000000 slowly - Sez ---" This IS a big mistake I think. It is far better to send at a reasonable speed with plenty of call sign repeats - especially where the DX end is copying thru QRM/QRN/QSB" -- W1BB agrees!!! MANY is the call UNREAD -(Note C/First Timers)- UNIDENTIFIED because the station faded out, or QRN obliterated, before call or Character was completed. Another thing, weak/QRP, or any DX for that matter should send their OWN call either a 5, or 10 to one ratio, to help identification.

KV4FZ/Herb. (W/VXO) ----- IS sure "Going to town" on 160. Testing balloon antennas, etc etc. Puts in superb signal to USA -- Had "Round-Table" SSB Qse w/G3SED, ZB2AY 1821.5 Solid - in fact, w/ki ZB2AY every night for a week. Made Cntry #19 w/VPOMY. Hopes to go on his proposed DXpedition soon.

WE ARE INDEBTED!!! *** To Stu Meyer, W2GKH and his "DXPEDITION OF THE MONTH" for putting some rare spots, ON 160 - THANKS/Stu - and may we add??? "Keep up the good work"???? -- Stu hopes to activate W2GKH on 160 fm Raleigh/NC w/ 1/4wve Unipole/Inverted L fashion & wk sun DX - b.c.n.u.!!!

AUSTRIAN "WAOE" 160meter DIPLOMA ---- Announced by Willy/OELKU. --- For Eu Stns: Contact one Stn in all 8, OE Districts --- All stns outside Eu: Contact one Stn in each of 4 Districts, one of which MUST be an OE1,2,3,or4. -- Send QSL cards - Contacts may be CW/Fone or Mixed - Cost 10 IRC. Any QSO After Feb 19, 1964 valid -- Contact OE/V.S.V. Diploma Mgr, P.O. Box 999 A 1014 Vienna, 1 AUSTRIA, for full and further details -- SWIs also Eligible/Same rules. Many Tnx to OE Boys for making this 160 Diplema available - nice work!! NOW - whos' going to be the FIRST to obtain a DX Diploma?????

NOW HEAR THIS!!!! de G3SED/A - re:let TransATLANTIC DX TEST ----"Spent 3 1/2 Hrs trying to QSO KV4F3, NO LUCK!! -- NOW!!, a close friend G3SZA who lives only 2 miles away, has been trying for the past 2 years to wk Dx w/NO LUCK. However, he recently moved down the road, to a new QTH ONLY 400 YARDS from his old QTH. Erected an inverted L, 50' High, and came on for the FIRST TIME this Yr. The results??? BINGO!!! Log reads QSOs:: W1BB/1, W2RAA, W8GDQ, KLKSH, K1PFW/S VE3QU, W9UCW, W2GGL --- and!!!! KV4F3!!! Whom I Couldnt QSO - Not bad for the FIRST time on with 'new Ant/QTH-EH???? No less to say, my antenna system is getting a thorough working over!! Aint that the way Mike!!!

VP2GBR/Dave-G3UUR -GRENADA :: ---- Originally worked W/VXO/KV4, PJ/MM and KP4AST, three all time FIRSTS!!! all w/JOESTICK & 50w. Sez "Unfortunately, sigs tail off vey quickly after 700 Miles, & becuz of Mt. Top QTH have no good earth connection. Did get up btr ant and --SEE FLASH ITEM No.1

ZF1EP/DXPEDITION/160 ----- Weekend CQ/WF/Phone/Test/Oct25,6,7,8, - CONGRATULATIONS to these boys for getting on and in spite of many difficulties, working about a dozen E Coast Stns Incl W4RRB - VFB!!

160: one DX MAN's SALVATION:: --- Have you seen W4NXD, Doc Blasi's article entitled, "A GOOD NIGHT FOR DX" ??? - in "Gus's" - DXERS MAGAZINE #74, May '68, Pgs 17!!! IF you havent - you SHOULD!! Tells about friend of his who had to give up DX competition because of 'Incentive -- Licensing' - his inability to get EXTRA CLASS - though he tried - HARD!! - found solace, Challenge and thrill, and renewal of his interest working DX the 'HARD-WAY' - on 160 - a TRUE story!!!

MOBILE DX on 160!!! ---- Believed, FIRST EVER 160 Mobile DX - K9SBL/Mobile, Nov 27 - 0030z - QSO'd KV4PZ/ssb and at 0110, W9UCW/Barry w/HW-18-3/ssb QSO'd Herb 59plus BOTH ways - Congrats Fellows - That's VFB indeed for mobile - any other MOBILE DX been worked???

DX "SIGNAL ANALYSIS" FROM "WAY DOWN UNDER" de VK6/swl-GEORGE ALLEN I-6042:: ---- Ses, "Bn studying Comml DX sigs 14 Mos. -- Peaks around EQUINOXES show up well, as does our summer SOLSTICE. Strangely our winter Solstice May/June shows up vy badly, 26 out of 26 days were BLANK!, In June 21 out of 24 days were blank. Listened 241 Days thus far this yr - Hrd KPH 2045Kc 121 times, WNU 2045Kc 60 times. In NOV, WCC 2036Kc, 5 times, which suprised me, so far fm Equinox time. KPH has a probability of once every two days which suprises me considering the distance and fy" VFB Sec. Exce

FLASH --FLASH -- FLASH -- FLASH !!!! MORE de VK/SWL/George!!!! January 12th TransPACIFIC TEST Heard between 1120 and 1200Z the following signals - a MOST EXCELLENT Showing ---- VK5KO, WCC/359, KPH/469, W5HW/339, W8ANO/569, WNU/339, K2GNC/569, W8GDQ/579, W4BGO/359, W1??/239, W6CRQ/359, JA2CLI/349 -- "Willie's sig was BEAUTIFUL - Way above anything else" -- "This report will make our LAZY VKs who do not get on really feel badly" --- CONGRATULATIONS/Geo and ALL!!!!

K7DEK/WALIOY/MAURY:: re KX6 ;; On his way to duty in KX6 had planned 160 operation there. But REGRETFULLY informs us, the Commissioner in Charge at GUAM advised him "160 Meter Operation NOT authorized in these "TRUST TERRITORIES"of the Pacific Islands. Maury tried his best - real hard too and will KEEP at it hoping for a break. Will Listen and report sign hrd anyway. Sri/Maury/Tnx The.

HB9CM/Philo:: --- Has erected new 540' Full Wve Ant 55' High at Planchettes, (Chalet in Mts), also inverted VEE at Landeron 270' long, 100' High and is nw getting out FB!! Has established special operating Fys, 1850/1853 Sunday Mornings for Eastern W/VEs, at other times, either 1850/53 or 1825 approx. Will call CQ DX 1.8, 1.9 or 2.0 Mes. THURSDAYS 0445-0500 2Mc, 0500-0515 1.8 Mc. Sat Site/Sun AM expects B on until 0600Z. Philo is faithfully covering 160 very carefully this Yr.

PAGO PAGO, AMERICAN SAMOA, KS6CN/DAVE:: --- "Job doesnt allow much time fr hamming - but will try sum 160 QSOs B4 lvg hr April. Hv T4X & R4B & 400' IW. May be able to operate at ETV site 1700' ASL over salt water grd system - on 1803-1805 Kes. Will try make special skeds if requested" - Tnx Dave

REFERENCE "THE NEW DX SITUATION" - Brought about by the change in regulations, whereby our nice clear DXsection from 1825-1830 was turned over to W/VEs to operate in, thereby making a problem, and treated of on page 5 of bulletin No.1 ---- APPARENTLY there just isnt any easy solution. It isnt practical for DX to operate in the nice clear space at 1850/55, because while it is clear on E Coast, it is very QRM/Loran etc for W8, 9, 6s -- although HB9CM is operating 1850/53 for E coast DX --- What it apparently boils down to, is that we have to "LIVE WITH" and "WORK WITH" the QRM in this section - SAME as on other bands. Experience has shown thus far, that during the hours when DX is MOST likely, there isnt too much QRM between 1825-1830 - although at times, ANY Qrm is TOO much if it is on top of a weak DX Station. Possibly we can solve this problem, to the point where it will be "Livable", by tact and diplomacy and understanding with the boys that usually operate there. Discussing it with them - educating them to know that DX Congregates here, and getting them to listen for it and operate outside of that section. W1BB is willing to compose a friendly letter which we could send to stations heard there explaining our problem to them and asking their help. The point is, the DXing TIME is a small proportion of the time, and it is believed the boys might not mind at all QRKING and maybe joining in on the fun - possibly if we 160 DXers spread the word and enlist their help, this section will gradually become to be known as the "DX WINDOW" of our 160 meter band, thru which everyone can better enjoy the unusual priviledges of this band - maybe someday it could be set aside as such - if we start the ball rolling now, and keep pushing?????? Any suggestions appreciated as to how to solve this problem. We must remember that on occasion we DO also work DX btwn 1800-1805 - it's rough, but it is done - nevertheless, wouldnt it be a good project for us all to work towards this "DX WINDOW"????? Hope to hear fm many with suggestions.

XYL-W1BB/Alice/W1DQF-PROGRESS REPORT::: Was doing fairly well recuperating fm SEP-30 heart attack. Had Vy nice Christmas - but day after - severe diverticulosis attack - followed by pneumonia - in hospital 2 more weeks - home again now - slowly getting back to where she started from - still long way to go - she is very appreciative, and wishes to thank so many of you good fellows who were so kind as to send "GET-WELL" greetings, best wishes etc. Her spirit just wonderful - still pro 160!

HOW TO READ WIBE "Summary" 160 METER DX TEST REPORTS

For Example -- *WBGDQ: G2PL-GI6TK-DL1FF, "Condx VFB"/// WBGDQ is the station whose operation is being reported. Asterisk *WBGDQ, Asterisk indicates information is from actual report from WBGDQ. NO asterisk, means information 'Gleaned' here and there by WIBE, and accuracy NOT guaranteed. UNDERLINE, G2PL, DL1FF etc Indicates a QSO, or worked. - NO underline, means HEARD only. "-----" Quotes, means excerpts from WBGDQ's actual reports. Comments with NO quotes, are WIBE's comments. "OTHER PARTICIPANTS", Means those stations actually taking part in TESTS, but whose calls are not mentioned elsewhere in the report. If underlined, means they worked, or were worked as DX. OK???

*** 160 METER ANNUAL TRANSATLANTIC DX TESTS ***

THE TRANSATLANTIC DX TESTS thus far this season, have seen some very excellent Condx, and some bad condx - but the good predominates. Generally, DX has worked further WEST than usual, Participation is good, signal strengths UP, Interest VFB. The TESTS apparently give something DEFINITE to work for in DXing, and develops interest which otherwise might be lacking - similar to CONTESTS.

DEC 12: We lucked in on excellent Condx w/many,many Eu/Wve QSOs as far west as W9/Land. WIBE made 17 DX QSOs. KV4FZ wkd Eu. All had a "Ball" hearing, edding,working DX/signs up to \$89. Band out @ 0800Z, sunspots, or NO sunspots Condx Couldnt hv bn btr - Amazing!!! Portent God Cndx to cum. Many Eus FIRST Transatlantic Crossing. *WIBE/1: G3AZA,CHU,TSA,CFV,XGC,VMW,XAQ,AHI,RXH,RPB,MYI,SED/A,SVW,TKN,PU -- HB9CM,GW3BOC,-- G5TN,G8DV,G3ROO/a ----*K4BUJ:"Test was really great - Hrd G3GW,GM,G1 - Cndt wk - w1 Hv Inv. 1 60' H1 - 1000' long next" ----*W2RAA:G3LIQ,MYI,RPB,SZA,XGC,XHI,VMW,WPO,WFW,XAQ,CFV-G5TN-G8DV-GM3IAA-GI3OOR. Ed is going like a HOUSEAFIRE this Yr wkg any&all DX!! *W2CMS:"Hrd no DX-using vert & Horiz ant"/Angelo. ----*W9UCW:G3LIQ,SZA,CFV,RPB,SVF."Oct30, 1997 0630Z wkd KH6GLU) ----*K1KSH:G3RKH,XGC,LIQ,SZA,RPB,SED/A,AHI,TKN,CFV-G5TN-GI3OOR "Condx Unbelievable! First time EVER wkd 11 DX Stns in a row on ANY band much less 160"! ----*WALIOT:G3TSA,RXH,RPB,MYI,LIQ,OQR-G5TN-W6GEN ----*VE3DU:G3TSA,SED,LIQ,RPB,RXH,SZA,CFV ----*VE3QU:G3RFB,MYI,TSA,CFV,LIQ,SEA "Big problem hr is Bd 4600V line noise-cant get pwr Co Coop/yet. Ant 63' Base Loaded, Tower w/QUAD Viking II Tx,NQ17ORx Br.KW200QA 100w pep/160 Tx"/Mel. ----*W4NFL:"Hrd G3SZA,RXH S7 0645 bc unable get my sig thru E coast QRM" ----K2ANR:G3LIQ ----K1PBW/B:G3XGC ----HB9CM: WIBE/1,KV4FZ 569 ----*G3CFV:"It's nice to be back on TESTS agn" ----*G3SED/A:K1KSH,K1PBW/B,W2RAA,GGL,VE3QU,W8LQ,W9UCW,VOLFB and spent 3 1/2Hrs trying QSO KV4FZ/No luck!! * WIBE/1. ----*G6LK:WIBE/1,VOLFB/5 K2ANR,KV4FZ/589-VE3QU/579,W2RAA/579-K2GGL/569, many otrs 569. ----*G/sw1/Norman Smith:WIBE/1,WY-W2,FJ,FYT,RAA,GGL,FV,K2ANR,W2IU,K1KSH-W4SCF-WBGDQ-VOLFB-VE3QU-KV4FZ-W9UCW ----*VOLFB:G3TKK,SW,XGC,VSZ,TKN,RFS,XTJ,PKW,CFV,WFW,G6LK-G5AQ-TN-HB9CM "It's GREAT to be active on 160 agn" *****KV4FZ:ETS,G3RFB,RXH,TSA-PY2BJH "Eu stns peak hr abt 0630Z" ----*PY/sw1/RASP:PY2BJH-KV4FZ/579 - 0445-0600, "Condx seemed LOUSY" ---- OTHER PARTICIPANTS,W1TX-W4PHU-KSDHT-VE3DU ///G3PKW,VXM,VSZ,XTJ,WFW,RFS,002OR-EI9J-G8DV. ---- All in all a MOST EXCELLENT "SHOW" for TEST No.1

DEC 8: NOT a "Test" Night but WIBE/1 wkd G3VMW,TSA,LIQ,SED/A,MYI-OKIATP. --WALIOT:G3LIQ

DEC 15: TEST No.2 and EU FIRST TIMERS TEST --- even the wx bad/QRN hi on E coast, many DX signs popped thru and "First Timer" QSOs ensued. Condx WEST were Gud w/K9YWO QSOing G3RBP/a &G3PQE, etc. A vy successful Eu "Fter" night. K1PBW/Ernie put on a GRAND show w/his BEVERAGE Antenna which was fabulous in building up Weak Signals and cutting down QRN/Rain Static. REPORTS### *K1PBW:G3VTX,TSA,IGN,SED,RFS,TRF,UJE,TRF,VMW,ISL,GFG,RBP/a,VPM,XGC,ORY/a,POA,XHI,LIQ,OIT-2TN-8DV-HB9CM-OKIALG,OKIATP TWENTY TWO (Yes 22) DX STATIONS!!!! CONGRATS Ernie!! Your rig, and YOU, wkg VFB - V.F.B. *WIBE:G3TRF,VMW,GFG,TSA,XGC,RBP/a,OIT,ORY/a-HB9CM-OKIALG. *K9YWO:G3RBP/a-579!!! *VE3QU:G3PQA,PA W6,7. CONGRATS Mel-Ur sigs hrd by VK6SWL Quite a Moment - first VE3 Sigs Hrd in VK!! ----*HB9CM,WIBE/1,K1PBW,W2FJ,4YX,W4YZC ----*PY/sw1/RASP:KV4FZ/569-WIBE/1.569-K8BBI/569 ---- PA/sw1-NL216 WIBE/1/559-K1PBW/569-W2CF/449-W2FJ/449-KV4FZ/449, Retired power sta engr Rx SRL46 w/160 Convtr and INDOOR JOYSTICK!!!! ----*G6LK:WIBE,K1PBW,W8ANO,W2BP,FJ-K2CAL-VE3EK hrs ----*G3SED:WIBE/1,VOLFB-VE3QU-W2IU-K1PBW-K2GAL "Reference these FIRST TIMERS tests - certainly GOOD SUPPORT Hr - but 6 "Non"-FTers operated -hrd 15 stations never hrd trying fr DX Before" Trx Mike. ----*G/sw1/Tball:WIBE/1. ----OTHER PARTICIPANTS::W1DWL,K1KSH,W2EQS,BVN,KH-Wb20ZA,UZE-W,DX,A IX-W8ANO,GDQ --G3VUF,VX TNO,VSJ,WGD,CFV,XRY,VSZ,XTZ,H2L,TKX,XLW,XPE,ADH,BRE,XJB,XLP,XSC,VIP,XKD,XIF,XYB,XIP,XJB,XFC,XLM,XDM,RIG,XLW,PKS --If you dont believe there a LOT of interest look at these Gs, particularly the X Call also G2PWA,ALG-5AQ-6LK and PY1NEW.

DEC 22: This was NOT a TEST Night - lots of QSOs made, Condx favored W3s/8s - W3FE,W8ANO "Went to town" ----*W4NFL/Jim sez "THRILL OF A LIFETIME" making my FIRST Transatlantic 160 DX QSO -w/OKIATP, 0630. Hv also wkd KH6GLU & VP5AA - hoping fr KL7 Activity" A wonderful accomplishment Jim!

DEC 29 TEST No.3: With colg gale blowing, lots of QRN, skip condx excellent - but QSOs difficult, readability poor. Nevertheless NEW COUNTRY VP2GBR/Dave/GRENADA appeared 1833k to put 10 QTH on 160DX map FIRST time ever - QSOing WIBE/1,0400Z - K1PBW,W2IU. Additionally 10 Transatlantic Stns were wkd by WIBE/1 and others. ZB2AY put on another FINE performance working many.

REPORTS: *W1BB/1: VP2GBR-ZB2AY-G3TRF, XGC, ORY/a, MYI, RBP, WPO, LGV, LIQ, SDV -----WB8ANO: XE2OK -----VP2GBR
 W1BB/1, K1PBW, W2IU -----G/swl/Iball: W1BB/1, K1PBW, W9YWO, KV4FZ -----PY/swl/RASP: W8YIG-ZB2AY-K1PBW-
 K9YWO-K80ZT-GM3BGX-G3XMC, MYI "Band not gud as 22nd - still nice" -----PY2BJH: W1BB/1-K9YWO -W9YIG
 KV4FZ/569 - W9UCW/449-Wa4SGF/349 "Cndx quite poor" -----HB9CM: K1PBW/229-W1BB --- OTHER PARTICIPANTS
 K1L, W1TX, W20ZV, W2EQS, IU --G3ULL/a, T3Z, V3Y, VMW, WPO, XMP, VRW, XIW, XM3, JZK, UJE, XAQ. Late Rpt de *G6LK
 : W1BB/1/579-K1PBW, W1EKI-K1KSH-W2BH-W9UCW-KV4FZ "Recorded W1BB and ZB2AM" Tnx Ted. Fairly gud TEST

JAN 5 W/Ve "First Timers" TEST: Cndx to Eu Not Gud - bt to West Excellent - lots of East & Central USA QSOs w/W6,7 but NOT ONE KNOWN EU QSO - UNUSUAL!!! So very little participation in FT nite by Ws consideration of abandoning W/Ve FTers nights next yr - any comments Gang?? FTers??

REPORTS: *W1BB/1: G3SED, RFS, ZB2AY, W7ESK, DOL/6-Wa7BOA-W6QJD ---HB9CM: KV4FZ ---G3SED: W1BB/1, W2IU-KV4FZ-VP9BY-HB9CM-ZB2AY-OK2ZU-VE3QU. "W/Ve FT Test complete "Washout"-Nil Dx Wkd - KV4FZ at time has a CRUSHING 599Plus Signal" ---G6LK: "Band Dead to W/Ve" --- OTHER STATIONS HEARD ON: W1DEO, K1KSH, W1PW, JJS-Wa1GKE-W2EQS, BVN, RAA-K2GNC-W3EJU, DPJ, FE, MGU, WGH, W1PBW/3-Wa4SGF, Y2C-W4MSH, GSH-5HW-W66QJD-W7BOL/6, DL/7, AVV-W8FB, K2Z-K8EEG, IQQ, MRB-W9UCW, BKA/8, W99EYI-K9GZK-VE3DN, DU, QU, EWY -- G3SPT, ERN, LIQ, BDQ, MYI CFV, RLF XQQ, WPO-DHJ/559. Apparently many on - but cndx not good to Eu. No FTers.

JAN 12 TEST No.4: Hopes were high for gud Cndx - didnt materialize, for Jan's 30Z DXpedition. Sat AM he Hrd G3PQA, ZB2AY QSO'd several-see p2- But Sun AM Cndx poorer/QSO'd BB&8ANO all-in-all this TEST "Nothing to write home about". REPORTS: *W1BB/1: CE3CZ, G3SED, MYI, PQA ---K2GNC: "Hrd VK5KO 1110z-11th-NO Qso", Sri! ---W3DPJ: "Jan 11 ZB2AY/359, My 569 - Cntry/19"-VFB!! *Wa2ELD: "This shud hv bn old "Call CE3CZ TEST" - No Dx!! --- *W3FE: CE3CZ-W7BNZ "Makeshift Ant fairly gud-but believe becuz of 3 long grnd reflectors"!! ---HB9CM: W1BB/1.119 "OKIATP seems to B another DLIFF, S9PLUS 3CDB - stronger than DHJ- a good thing for FTers in USA - His RXing gud too!! OTHER PARTICIPANTS: W1WY, DEO, K1KAH-W2EQS, GGL, RAA-K2GNC, GAL-Wa3EPT-W8ANO-K1PBW/8-W9BKA, YWO, PNE

JAN 19 Non TEST Date: Cndx only fair. Few Gs came thru fairly steady, G3RBP, CFV, YCU, G3UJE also and made quite a few QSOs. OKIATP, and HB9CM appeared briefly, then faded out -not too good AM

*** SECOND ANNUAL TransPACIFIC 160 METER DX TESTS ***

THE TransPACIFICS this season have not been as good as last season. While enjoying some excellent Cndx over ATLANTIC, same hasnt been true over PACIFIC - However the boys have done real well just the same. We are hoping that path will "Perk-Up" a bit!!! NOV 30/DEC1 TEST:

*KH6GLU/Ed, "Had a "Ball", QSO'd 21 W/Ves & 4 JAs, IRST, RQA, 2CLI & 3AA. USES Collins 5LJ3, Rx-6146BTx/80w-500" Vee Beam up 100" NE/SW @ Quiet QTH/isolated section MOLOKAI Isl. Sez E Coast shud use 1800-1803, Otrs 1993-1996 to avoid Loran. ---K1PBW/8 Ernie, w/Balloon Ant. 60" lead in, wkd VP4AA, W1FZJ/KP4, PJ4CC, KV4FZ, G3VUM, GW3FSP, XE/GEN, GI3OQR 40 over 9!!!!, G3SED/a, RPB, MYI, LIQ, XGC and DL9KRA (Much of this not PACIFIC, but included to show Conditions to East that same night) "It was an AMAZING opening". ---W7AVV: JA2CLI/s8-JA1RQA/s6-KH6GLU ---W9UCW: KH6GLU ---W6IVM: "Hrd a JA/129 under Loran-East Path OK-Fla/S.C. 34-7" ---W6JHO: Hrd KH6GLU, 5.5/8.8 wkg lots Ws, JAs-Hrs JA1RYA/449-IRST/449-1PIG/569-IRQA/559-JA2CLI/339-559 - Lots otr unidentafied Sigs hrd. Cld my arm off but NIL - must try counterpoise B4 next TP Test ---W7ZC: KH6GLU, JA7ABQ-th FIRST EVER JA/Utah QSO. Hrs JA2AA, JA6BD, JA1PIG, RQA, PVK-2CLI-KV4FZ ---W7FP: KH6GLU-JA1RYA, PVK, RQA, PIG, RST-2CLI-7ABQ-ED ---VK/SWL/ALLEN: "To quote some famous lines - "Not a sound was hrd NOT a funeral note" - Certainly true of DX sigs - NIL - QRN/Noisy-Missed out by one day - Day B4 G6 VE7SV's First Ever QSO on 160 was with KH6GLU!!! ---KH6GLU Hrd W1FZJ/KP4.

DEC 14/15 TEST: REPORTS: *W7ZC: KH6GLU-JA2CLI ---W6JHO: "Vy Poor Cndx/QRN Hwy/No JA" *W3DPJ: KH6GLU/339 Both ways" ---W7AVV: "NG for JAs-KH6GLU Gud" ---W7FP: JA7AO -JA2CLI ---KH6GLU: JA2CLI-W3DPJ-K1PBW "Wkd many W6,7-Hrd W9BQM, 8GDQ, Wa4SGF, NFL - antr nite w/e sleep - Cndx poor W, Gud/E ---JA2CLI: KH6GLU ---VK6/SWL/ALLEN: W6QH, W6GEN, KPH/359, WNU/339 - Hearing W6s proves my contention when Comal's cuning thru with their omni-directional Ants - then some HAMS will get thru, IF ON!!! Hrd also W8ANO, GDQ 1130z". OTHER PARTICIPANTS: W6BT, ERS, AMO, STU-7ZC D

DEC 28/29 TEST: REPORTS: *W6JHO: JA2CLI/339 "His Big KW w/ Inv VEE really cums thru-NIL else-QRN High-Hv Bn improving Grnd System -rpts abt 1 1/2 S Btr - hope hv Inv Vee Nxt Yr. Hrd XE2OK *VL/SWL/ALLEN: "Useless hr - path not open-no sigs hrd except K2GNC Dec 31 339 - Markers hrd regly

JAN 12 TEST: *W6JHO: "Cndx vy poor - only Hrd JA2CLI/339. W6QH, W6NRK-W7FP, SLU also on. JA2CLI/Jun: As Mentioned BULL 1, Made FIRST 68/69 Crossing w/W6CQI/Dick/Oct 19 1408s, & W7FP/Starling 2-6146s 120w - his VFB Inv. VEE 105" Apex mtg on Microwave Relay Tower - Hv KW Sn - CONGRAT KH6GLU (VR3DY-KP6A) Ed-MOLOKAI Isl-ORV 160: 100w, HQ140/HRO-5LJ3 and TWO 500"/legVEE Beams up 100" VK3ATN per VK/SWL/Allen: Has terriffic sig fm his 152" Vert w/ 24 Grnd Radials @ here's hoping A will take an active part in 160 DXing this season, along with "Faithful-John" VK5KO. The CQ/WX/DX TEST: JA2CLI QSO'd W6GP, ISA, ITY, QHQ. JA7CQB/W6GP, JA3AA wkd W6CQI, QHQ - Vy FB Boys JALAS Just got ticket and wl be QRV soon w/150w & Inverted Vee (ds Wa6IVM)

KPH STUDY de JALPVK/Masa: sez "I watch KPH/2045Kc/S.F. thru spring/summer/fall. Summer vy weak. Fall/btr. Report herewith. My Ant/Pwr vy poor but think can QSO West Coast, if best chance taken per KPH sigs. I finish University spring/yr wk electronics Engr/then NIL-160/too QRL" Tax Masa. Bore this LOG of KPH is a "Masterpiece" and maybe in interested Masas would send U a copy" - Luck!!

Ex "K/Cas": Nw in Vietnam has bn trying get 160 going agn this yr in KA9 land but cant get a "Rise" out of the boys 'tha nw. - We sure miss "Cas"'s VFB 160 activity - Tax valiant try Cas ON.

**** MISCELLANEOUS TOP BAND ITEMS ****

Ex EP2BK/VS1LP Etc BOB SNYDER/LA4AD -- @ Tananger Norway w/AMOCO OIL Co. "Wud like get spl lie. spot fy/160 fr TESTS altho only all'd 10w - hr Cs loud and clear- no otr DX yet" Bob is itching to get gg on 160 - but "Special Permission is almost impossible to get - Sri Bob/Miss 'yuh'!!!;-----

Q3SED/Wike-CONGRATULATIONS took unto himself vfb xyl, nw moved QTH to PORTCHESTER whr due her FB Cooperation-bk on 160 quickly & During CQ/TEST wkd 16 W/VEs -- not bad but sez must further improve ant system - sez "Wasnt it great Nov 18 sigs s9Plus 10 DEs - gives you kick at sunspot Max when god openings not easy to cum by"!!! RIGHT!!! ----W3FE/Tom "Sunspots hv reached peak '73-'78 & all w/ B scampering to LP fr DX" - Tom hd HARD LUCK - lost his two vy FB Masts & Inv VEE Beam terrific storm - towers irreplaceable (Moving to Fla few yrs) - makeshpt Inv Ls doing fair - but Inv V Beam was "Le Plus Ultra" - Sir Tom ---- CONGRATS W3DRJ/Tom: ZB2AY/359 fr COUNTRY No. 19!!! ---- ZB2AY: has QRT/returned G/Land - ~~W3DRJ~~ sri!! ---- UTAH de W7ZC/DAVE/UTAH!!! ~~W3DRJ~~ "Will b gld sked anyone needing UTAH, QSY 1800-10, 1900-15, 1975-2000. QSW 1975-2000. Hv 37 States myself. Sigs fm E/Coast weak-hr W8ANO,WLBB1, old friends visited hr/summer. AM fones bad/take up 50Kc - Bn on 160 since 1921- using 1000' LW w/"L" Coupler, R4B & 75A4" Dave w/ B gld to gve coupler info into random "As long as possible" Ant - S.A.S.E. W4m or WLBB. VFB Dave putting UTAH 160 DX Map. He is SUSTODIAN for UTAH "All-Counties" AWARD!! ---- W9PNE/Brice: Bn hvg bit of poor health. (Xyl also Hospital/successful operation)(Sri Brice) Cant hit "Wee small hours" often as wud like" - However he has bn doing pretty well w/short times on - QSO'd PJ/CC,VO1FB,KV4FZ,W1FZJ/KP4,W6,7-VP9FW-six Cs & DL9KRA - Wonderful!! for W9/Illinois - sez, since band changes 1825-30 VY QRM w/S9, AM,SSB,DSB. Brice has wkd 52 Cntries nw INCLUDING KA9AK/JAPAN - How's that!!! Congrats!!! ---- OK1HAM: How's that for a nice "HAM" Call??? CONGRATULATIONS. Vlasta, OK/SWL-OK1-18705 who recently got this FB License. Al especially nice to see an SWL become a HAM. ---- CONGRATULATIONS MEL/VE3QU who was hrd DEC 14 by VK6/swl/Allen 1134z VFB. Mel's HQ17CRx,KW2000Tx,Vert/64' Base Loaded QDAD Tower Ant is doing FB Job on 160. (VK/SWL/Allen also Hrd W8ANO) (And K2GNC), ---- de W5HW/Ed: "Am on 160 nearly evry eve 4.30-11.00PMEST. Using tired 813z 2/135' Flat-top 65' Vert feeders - w/2-150' Counterpoises. Nw Bldg 4 sta RF Tuner fr Rx" - VFB!! ---- CONGRATS/BILL/K2GNC -- who also was hrd 339/219 Dec 31 by VK/swl/Allen 1142z. Allen used HRO Sr. Rx w/100' Inv L btwn two gum trees. K2GNC Hrd VK5KO CQing Jan 11 1110-1215z but no QSO - sorry Bill!! ----G20IT/Keith: Bk on air aftr long absence "They always cum bk" - Nw has FB "Harmonic", ANNA, "Pride & Joy", who soaks up lot of Radio Time - has 3 large balloon Ants & wl try out. VFB Keith/we'all missed U. ---- G3OQT & G3RBP/Roger fm Kenya Bk on Nw too. ---- VE3WH/Rev Jack Hill -- Located nr Lake Huron has tree supported ant of 300 Ohm twinlead ribbon, Marconi, per 16th Ed.Radio Handbook p430 - wks out fine and dandy - HAM since 1936

KH6LJ/Katashi Nose: At Harvard University Cambridge Mass fr winter bemoans that he cant get on 160 but sez will hit 160 real hard in 1970 to make up for it!!! We'all miss you too NOSE!!! ----

W6JHO (Formerly W6MCK) Al--Sez gg try Monopole ant & maybe Balloon supported wire on 160- Vy active in TransPACIFIC DX tests. ---- G6LK/Ted: Checking "Sunset" DX finds definite "Peak" on Cnrx. Has 160 "Trap" Ant. QSO'd ZC4 & ZB2 - VFB!! QRV 160 activities this season w/KW2000A - Luck Ted./Tax

G/S/L/NORMAN SMITH: Opened Season 17 NOV hearing K2ANR/449-K1KSH & WLBB/399. Happy Season Normal

W5DO/Ed: Active/Hrd JA2CLI 30/Sep!!! Has navigator final & 150' Ant 60' High - hasnt hrd much E coast DX yet - Luck/Ed. ---- de W7ASG/Joe: "Just another 'Old-Timer' (1930) back here on 160 to stay" - That's nice Joe. ----W9HDZ/"Van" -- "Wk DX on 80 VFB but cant seem to get out on 160 3100000000 am retiring 2 Yrs, buying QUIET farm w/PLENTY of antenna space" - VFB and Luck"Van" ----

GB3RSS w/G3XAO operating: Worked WLBB/1 OCT 20 to "Kick-off" the 160 season - got 339/439 Rpt fm BB - but not being happy with that - went outside - and found ONE SIDE OF ANTENNA GROUNDED & Down. put it back up - then wkd W3FE & Got 569 Rpt - using 10w - hw abt that!! Hi Alan!!! ---- W0RW/Roger O.O.T -- Sez "Hv Half Wwe strung along crest of hill, 50' high/seems to wk gud - Noise blanker on my very good eliminating LORAN hr on 160" ---- SINCERE REGRETS/JOHN CLARICOATS/G6CL: Formerly General Secretary of R.S.G.B. where he was an ardent booster of 160, now Secretary I.R.A.U Region I & Editor IRAU Region I Bulletin, Now conducting WORLD OF AMATEUR RADIO in Wireless World Magazine -- to you JHEN, our sincere regrets about your recent coronary thrombosis/hospital trip but we're all happy to know that you are recovering and hope to resume duties shortly - the 160 gang all wants to thank you for your loyalty to our favorite band, and support for it's activities.

GUESS THAT WINDS UP THIS BULLETIN FELLERS -- HAVE FUN always on 160 and b.c.n.u. Stev/RB

'INTREPID' - 'DARING' - 'SUCCESSFUL' -- THOSE ARE THE WORDS FOR THE HK/TU MALPELO all band EXPEDITION WHICH INCLUDED OPERATION ON 160!!! -- "CHEERS and SALUDOS" !!! ----- A real THRILL to all DXers but more especially we 160 boys!!! Many Many Many thanks are due Pres. HK3RQ/Bill, "Prime-Mover", LIGA COLOMBIANA de RADIOAFICIONADOS, W4DQS/Dale, and Pres/ARRL BOB/W4DX, these who especially organized 160 meter operations, the various Government Depts. celebrating 150th Anniversary of the Independence of Colombia, and the destroyer "PADILLA" personnel. TRAGEDY nearly struck when, during landing operations on the dangerous rocky cliffs, two men were washed overboard, and almost got dashed to pieces against the rocks, before rescue, requiring hospitalization for one. (Complete story will appear in QST and on films at various 'Conventions/Meetings', and maybe other magazines; so will hit high spots only herein) -- In ensuing excitement, generator got lost in dark, taking an hour to find - 160 rig had bum antenna relay/wouldnt work - so W4VPD/Enes's 20 meter rig was "Borrowed" - "Commandeered", or "what have you!! - ENOS wagnt happy!! Imagine putting up 700' L.W. Ant in Dark, but they DID!! Dale sez, "I loaded the ant to Tx, called CQ - it was thrilling to have K1PBW/8 come back 0615 Z - next was W3FE, then W1BB for his DXCC/160 Country No. 100 QSO!! After that Bob operated until band folded. W1BB had feed line failure in middle of QSO which complicated things!! Altogether 28 QSOs on 160 were made including W2EQS, W9PNE, W8GDQ and others - not too many - but considering everything, a MARVELOUS piece of DXing. MALPELO has now been conquered for 160!! A real resounding FIRST!!, FIRST EVER!!, that is. In view of the difficulties involved, it will surely be a long long time before this happens again!!! Bob/W4DX was able to contact his home station on 160 80 and 40 - Nice!! It was found that the 185', 160 Ant wkd btr than the 700 footer. More "Credit" to Bob/W4DX for stopping off at HK5EV on the way home and contacting on 160, K1PBW/8, W9UCW, DUA, W2TA, W4NFL, 3DPJ and others - most excellent - VFB GANG!!!

"FIRST-EVER" VP2KK/St. KITTS DXPEDITION A GREAT SUCCESS!!! ----- Herb/KV4FZ, Ex W4VXO, XE4VXO "Came Thru" with the FIRST of his anticipated Carribean "Island-Hopping" DXpeditions, when he flew to St Kitts and set up there March 13/14 QSOing 52 very happy 160 DXers, for a brand new and RARE Country!! Thanks to HERB -- ALSO to his lovely AirLines Hostess", xyl MONICA by whose position it is made easier for Herb to Fly!! Herb's job, to which he has to return the next day, in St Croix/KV4 made it a "one night stand" only. Herb says "This is only the beginning". He'll be back, and also there'll be more NEW ones!! Great Stuff Herb/Tax & Luck!! (This was W1BB's 104th all time on 160 "GUS" !! ----- Tried it from 2D3A. Hrd W1BB but no QSO. He was hrd in G/land by G2CFV 579!! But Gus's Ant didnt fire it USA/way, apparently. NOW!! Gus is headed for RODRIGUEZ w/Steve VQ8CC.

HERB DOES IT AGAIN!! VP2VI/TORTOLA BWI ON 160!! -- 25/APR w/ quite a few W/VE 160 QSOs - FB HF RODRIGUEZ ON 160!!! ----- On "GUS's" DXpedition to Rodriguez with Steve/VQ8CC making arrangements and handling the 160 meter end, ONE QSO ONLY was made, on 160, with G3XAQ/449 at 2321z Mar 25th. Same Date KV4FZ/Herb was heard 439 at 2342z. MAR 26/Nil -- Mar 27 QSO almost, but not quite, with W1BB who was heard 229 at 0142-0145z and 0148-0153. Steve's LOG read --"Heard W1BB rst 229 in QSO on 160". W1BB THOUGHT he was in QSO with VQ8CCR - He-HUM !!! CONGRATULATIONS anyway on ONE QSO, and due VQ8CCR and G2XAQ!! Special COMMENDATION and thanks to Steve, from all the gang for the work of getting rigged on 160, a dipole 50' high on 75' Towers, setting up, keeping skeds etc, all of which shows real devotion to 160 and the gang!! Thanks a lot Steve!! WHERE NEXT?????

EXCITING "CHRISTMAS DXPEDITION" By G3UPK/GIBRALTA as ZB2AY ---- Netted 29 W/VEs on 160 CW, and 6 on SSB, including KV4FZ/S9 plus 25DB for 2 hour QSO!!! Also VP5AA, W1FZJ/KP4. Furthest WEST, W9PNE. After trip to G/land Roger returned Mar 20th for 5 weeks, and has been burning the band up with many many 160 meter QSOs and outstanding signal. QSL via K3RLY. Tax Rog/VFB!!! A Real Interest Station on 160 NOW!!! W1BB HEARD IN JAPAN !!! ----- By JA2CLI/"Jun", Jan 26th. 0840-0850z, Ja Sunset Time. It was felt, by AUROREAL OVAL Research Scientists, practically impossible to get a 1.8 Mc Signal from W/land to Ja (W1/Land that is). Clem W1EVT, who has worked lots of ASIAN L.F. Dx believes, when condx are right, W1 signals could, and DO, bounce AROUND the AUROREAL OVAL and into JA land, like a billiard ball shot. Apparently JA2CLI, w/superb receiving equipment and QTH, has again proved that HAMS can, and DO, do the impossible!! NOW!! for a QSO!!! Hope, Hope, HOPE - but this seems impossible, as the JA transmitting frequencies ~~1907-1912~~ 1907-1912 Kc are severly QRM'd by LORAN over here.

ED - FIRST TIMERS" TEST FEB 2 -- Completely washed out by extremely poor Condx. Not a single DX str hrd across Atlantic by anyone, first time in 2 or 3 years - too bad - lots of FTers rarin to GO!!! W2RAA's "DOUBLE" HULA HOOP ----- "Goes to Town" - QSO'd G3CFV, 0720-50z, w/589x2 rpt CW & SSB. Wire hoop is 80' Diam and only 4' above Grad. Ed intends to improve on it using LARGE Aluminum conductor. Whadaya know abt that!!! See IDEAL for cutting man made and atmospheric noises - Nice work Ed!!

TA2E/ANKARA/"Hass" ----- Active on 160 - wkd 17 stas CQ/160 TEST - Hrd W1BB 569 Jan 18 also KV4FZ.

KENYA/524 ---- Keith Ex 2D7KH there fr 3 yrs nw - hopes to be on 160 next season w/ KW2000!!! vfb
"FIRST EVER" QSOs ---- HB9CM/KV4FZ, JAN25 - DL9KRA/PY2BJH - and DL9KRA/TA2E. Congrats T'all.

QTH of GW3UUE, "LIGHTHOUSE ANDY" or "ANDY THE LAMP" ---- As affectionately called locally, 20 miles West of Cardiff on S. Wales Coast, on Cliffs 100' high. Ant 198' long in 3, 66' sections, 1' in top of 180' High Lighthouse, W/500' Counterpoise, 6' High and buried radials. Home brew Tx & HQ170 Rx. ANDY put a most excellent signal into W/VE during 1968 TransATLANTIC TESTS. He became interested HAM radio 1960 by a 'Lighthouse SWler' talking it up!! Started w/ nothing but enthusiasm not knowing diff btwn resistor & Cond, but studied & made test OK, NO ONE had ever previously asked to OPERATE from a LIGHTHOUSE but after much Red Tape, the GPO issued license, and Nov 5 '65 was on The LF bands, esp 160 main interest. VFB ANDY - CONGRATULATIONS to a fine "SELF-MADE" HAM, and be sure to "KEEP THE BEACON SHINING BRIGHT" - and lots of 160 meter signals radiating therefrom.

SPECIAL ITEMS

REFERENCE "THE NEW DX SITUATION" ---- Mentioned page, 4 BULL No.2 has brought a number of favorable comments for trying to solve the problem by enlisting the "Cooperation" of other HAMS using the band, to establish the frequencies between 1825-1830 as a "DX WINDOW", "DX SLOT", "DX BAND", or "what have you", which will be recognized and respected as such by all of us. To start it is recognized that we may not be 100% Successful - but on the other hand, if we are only 80%, or even 50% successful, it is going to be MUCH Better than "Chaos" - but there is a feeling that we may go nearer 90 to 95% success - at any rate it is worth a TRY. To "Kick-Off" this program, WIBB has prepared a letter, as promised, which can be addressed to any station or stations heard operating 1825-1830 Kes, advising them of our "Problem", and endeavoring to enlist their cooperation, in a friendly way, for keeping the band clear of W/VE signals, especially during DX periods. AS many copies of this letter as you want, will be supplied to those who are willing to help, by keeping a LOG of stations heard in the band, Time, Fy, Meds etc, and sending them a copy of this letter, signed by themselves - simply write to WIBB - or if you only want a sample copy - let us know. This first draft may not be the best, so your comments, suggestions, errors, or omissions are requested. (Letter is too long- 2 pages - to copy in THIS Bull- maybe a later one.) This letter also points out that the very ones operating and causing QRM there, may themselves wish to take advantage of the "DX WINDOW" themselves to work DX, so that this program is a help to EVERYONE who may at one time or another want to work DX - and what HAM doesnt???? It also urges them to help too, by passing the word around to ALL 160 meter HAMS. WELL!! anyway, lets give it a try and see where we go from here. WIBB has sent out several as a "Trial Balloon" and they seem to be well received and to work!!! BUT for real success it requires that we get this information into ALL 160 METER HAMs thoughts, as soon as possible - we should start NOW - this summer - and maybe reap a good harvest this fall when the 1969-1970 DX "Season" gets under way -, OK??? We can thank CQ/Mag, John/K4IIF for already giving the idea a boost under subject of "THE DX WINDOW", page 67 April CQ Mag - tnx John. Now if we individually spread the word and "Talk it up", in a friendly and cooperative way at every opportunity, that should get the ball rolling real well.

"USA 500" A REAL BIG "FIRST" de W8GDQ/Willie ---- Congrats due Willie on making the "FIRST EVER" 500 COUNTIES AWARD on 160 meter phone!! BB has had the privilege of looking thru his "RECORDS BOOK" and believe me - THIS IS an impressive feat, all on phone! Represents many hours, and "lots of fun". Add this to Willie's impressive list of over 50 Countries worked from OHIO, and you have an exceedingly excellent 160 meter band performance - Congratulations Willie - Nice work!!!

EUROPEAN TRANCONTINENTAL DX ---- Congrats to HA5KFZ/Janos who reports hearing JA3BDQ at 2140a Jan 18 18 349/QSO calling CQ - wonderful!! Shows it CAN be done. VFB/Both!! (No other T/con Rpts Rec'd) Incidentally Janos won first prize and Second prizes in HA/Ham Exhibit for (a.) Receiver, (b.) R.F. Generator - also had 1st homebrew 200 MILLIwatt Transistor Tx, 28mc 9 yrs ago & QSO'd a W - also 1st Homebrew SSB/TX, 20w, 14mc 12 yrs ago - also "THERMO-BATTERY" 1931. Janos a real "Grass-Roots" Ham
CONGRATULATIONS !! VP5AA/TURKS, (W1WQC) FB 68/69 SEASON!! ---- "HAM" worked Ws 2FJ, BP, IU, CUC-3FE, EOP-4AQ-5GJ-8ANO, LRE, CZU-9UCW, YYG - AU, DX, NFC - Was, LSCF, LDM- JUS-1GXE -- Ks, 1PBW, LMO-2GNC-4HXW, ID IP - 9DUA, YWO. ALSO, look at these "FIRSTS-EVER" w/ KV4FZ, VE1ZZ, ZB2AY, VP2GBR, KP4AST - GREAT!!!!

NEw ALASKA???? KL7IR MAY BE ON 69/70 SEASON !! ---- So reports W4NFL/Jim, who sez his friend Martin has 700' LW, 300' up on Cliff. Hvg Rx Line Noise at Moment but hopes to resolve - VFB!!!

ANTENNA INFO de K7GCO/Ken "Judge" GLANZER ---- (Publisher of Antenna Handbook thru CQ) Been doing some thinking abt 160 ants. Came up with two Inverted Vees on one pole job, at rt angles to each other w/switch so fields can be rotated like turnstyle - but what "TOPS 'EM ALL" is his "MAPLE TREE" vertical Ant w/means of "Matching" coax line to the trunk or a limb!!! Ken sure is a prolific antenna thinker and "Tries 'em all out" himself -- not just all theory!!!

KENYA TO BE ON 160 AGAIN ----- Keith Hollow, ZD7AH will be in Kenya 3 Yrs approx w/KW2000 and is anxious to work 160 soon as he can get necessary antenna etc.!!! VFB Keith!! Let us know when QRV. (Keith tried 160 in St Helena after interested in 160 meter wk by "HAM"/W1WQC but got no Ans. BY "ZARD ELITZ" ----- BOTH of EB's 160 antennas down by heavy coatings of ice/snow up to 3" Diam, and heavy winds averaging 55 mph - gusting up to 80 MPH, was just too much. Home QTH Ant up since 1940, no previous trouble-had broken feeders - all fixed now. "TOWER" ant broke it's "Safety Links" only and let BOTH ends fall to ground before extensive damage - back up and in service next day. "Bless" these "SAFETY LINKS" !!!

MORE GOOD NEWS ON CE3CZ-JAN/DL9ERA ----- Sez, "Operation CE3CZ w/ be repeated every time I am in CHILI - the 250w rig remains there w/respectable inverted ~~3m~~ "L" ant 75' high put up permanently by Arnold/CE3CZ and instantly available. I'll increase rig to 1KW soon!! I Personally, via DL9ERA will handle all 160 CE3CZ QSLs" - Tnx Mc Jan - we're all "anticipating" !!! Keep up good work.

"MARKER" STATION WNU/NEW ORLEANS - 2048 Kcs ----- Via their Ch Engr F.E. GODOY to VK/SWL Allen, replying to George's FB Rpts on WNU in VK/Land we learn that WNU uses a cut doublet and 3KW to the transmission line. A nice propagation indicator to use by 160 boys all over the globe.

MARKER STATION OBSERVATIONS BY VK/swl GEORGE ALLEN CONTINUE ----- In 1968, 256 total observations made and heard KPH 131 of them - WNU 59 Days and WCC, 10 Days - Blank days 121. George uses HRO Sr. Rx - sez "W HAM DX always between mid Sept to Mid April - used to think only time was at EQUINOX, but WCC's performance coming thru 9 times in JAN up to 459 proves how wrong one can be!! QRN bad in this time of yr tho" -- Tnx ur vy valuable Observations Geo. - Believe Geo glad to send chart to anyone interested. (QTH-283 Amelia St - Balga 6061, W. Australia.

"FIRST-EVER" 160 HB/KV4 QSO!!! ----- Congrats Philo HB9CM/449, and Herb/KV4FZ/449 Jan 25 0600 Approx

CQ.WW.160.DX.TEST

AS we have said in the past - we leave the reporting on this to Chas/W2EQS and CQ Mag - however will list a few highlights that drifted in here. W9PNE 203 QSO, 50sects inc KV4FZ, VO1FB, Hrd DL9KRA. VK6/swl/ALLEN hrd W9ACT, W2ZC, W9PNE, 7DL/7, 6JTB fa 1116-1239z. Also JALWKE, 2CL1, 3UI and DL9KRA!!!! G/SWL/Iball hrd KV4FZ/579, VELEZ, W1WB, W2IU, 3IN, DPJ, 9AH --- W3DPJ/Tog over 32,000 Pts sez "Learned one must wk DX when DX is coming thru & leave W Qsos to later on!!! --- OKIATP/Yardey 17 Countries 12,546 Points - VFB!! --- CONGRATULATIONS PY2RJE/Mercille wkd IV1OB and DL9KRA two "FIRSTS" ever de PY/Land. Also QSO'd KV4FZ, W1WB/1, W9EWC, ZP9AY, VELEK, W9HP, W3DPJ, PY2PA, PE, BK0!! Nice work. (Also Jan 4, another "FIRST" Q1PZJ/KP4. --- OK1KU/Willet hrd W1WB/1, VO1FB, TAZE - made 68 Eu QSOs.

160 METER TRANSATLANTIC DX TESTS

This latter half of the season was not as productive on the TESTS because of the poor conditions setting in for about 7 weeks commencing about February 1st however it is interesting that the faithful took part in TESTS anyway and did the best they could. Both East/West Condx not too good.

FEB 2 ::: TEST No.5, and "FIRST TIMERS" Night, also ARRL PHONE TEST on - A pity DX Condx so poor - Not a single Eu hrd altho DHJ was 559 at times!! W/VEs settled down to ARRL Phone Test S-C, G/A a brand new one did FB- all QRT early completely washed out by Poor Condx - first time in 2 or 3 yrs when not a single Eu was heard. -- many FTers 'rarin to go' too!!! W/VE PARTICIPANTS W1WB, K1KSH-W2TA, EGS, TJ, K2GNC-W3FE, WF, NER, W24SCF-K1FEW/S W9UCW-W9WC, WFL-VE3DN. Wa4LDM wkd G/A, KV4FZ. EU PARTICIPANTS G3SGC, WPG, NFV, LLD, WCC, KAQ, UET, TYE, XTI, RFN, SAY, LMG-G2MK HB9CM, VK5KO-VK/swl/Allen sez "Nil" --HB9CM Sez "No Dx sigs at all altho lots of Cs FTersolg per rules" - G/SWL/Iball-"W1WB/449 only sig hrd in Eu, high noise, QRN, poor Condx. -- PA/swl/NL216 "W1WB/559 only other stns hra Cs-OKs"

FEB 16 ::: TEST No.6 Condx vy poor only OKIATP hrd in Eu-QRN vy high/stns did not stay on - band almost deserted - almost a complete "Washout" because of poor Condx. W/VE PARTICIPANTS W1WB, K1KSH-K2ANR, GAL-W3MSK-W4SCF-W9UCW, PNE. W9PNE wkd KV4FZ, XE/GEN. W1WB wkd OKIATP KV4FZ. EU/PARTICIPANT OKIATP wkd BB and K2ANR. HB9CM Hrd BB 239 sez "I'm trying valiantly to Contact 'JA3AA" - PA/swl/NL216 "Condx vy bad" - G/swl/Iball hrd VE1AKJ/239-K2ANR/449 after daybreak - VK/swl/Allen WCC/15 Mins. G3TSS, LIQ, CFV, VSZ-GH3YCR-OK1JTM also participated.

FEB 9 NON/Test night -Condx Fair OK1STU wkd EB--G3SED wkd BB, VE3EK, K2ANR--HB9CM wkd BB, K2ANR, W9PNE, VE3EK, W2EQS, UND, IRR--PA/swl"Condx Vy Bad-Nil" -G/swl/Iball hrd BB, VE3EK, W2UWD, YRH, TA.

FEB 23 ::: NON/Test Night ** PY/swl/RASP "Excellent morning/low QRN:::HB/569, Wb2MKF/349, W3FE/569 W9GDQ/579, W2BKA/S/459-W9UCW/579, W9TYG-HK/TU/449, KV4FZ/579, VE3EK/589. "Suprised/Pleased to hear Eu when apparently no W/VE activity DHJ/579, c550z, G3KDV/339 - nil on west coast Dx" - Tux Half.

MAR 2 :: W/VE "FIRST TIMERS" Test night - but apparently none showed up afterbad condx hv been hvg, and because QRN was "Out of this world" - W9PNE sez "WASHOUT-QRN Impossible" - hrd were BB, W2UZE, TA-K2ANR, BAY, GAL-4SCF-K81QQ -- EU/rpts - HB9CM "BB/459 only stn hrd" - PA/swl/NL216-Hrd BB only and W9PNE/449. Eu sides strong - aurora on band lately - CU Next Season"

SECOND ANNUAL TRANSPACIFIC DX TESTS

THESE, like all other activity have been plagued by the poorer conditions - as well might have been and was expected, at the HEIGHT OF THE SUNSPOT CYCLE (On the wane now - things should get better) Nevertheless the "faithful" gave a good account of themselves and are to be complimented for their perseverance. We have a few reports from the CQ.NW.160.DX.TEST as follows::: JA2CLI/Jun' wkd-VK5KO, KH6GLU-W7DOL/6, DL/7, AVV, FP, W6ERS, QHQ, ITY, JTB, W6IVM and VE7AKI. NICE work!!! ---VK/aw/ALLEN Hrd::: W6PNE, ACI-W7DZG, DL/7-W6JTB 1160-1239z, also JA2CLI, LHKE, 3UI and DL9KRA!!!!!! --- de KH6GLU/Ed::: "Vy frustrating. Hrd abt everyone VO1, KV4BB, LU, YV, VE7, JAs etc. Called and Called - cuint raise them. Guess my 100w hot snuff to cut QRM! Wl try aga this fall and winter and maybe sum this summer! Sri but that's the spirit Ed! "Never say Die" !! --- VK5KO/John wkd::: JA2CLI, VK3APN and W7DL/7 - Nice

LETTER de JA2CLI re W1BB SIGS HEARD IN JAPAN ---- "Am glad give you good news Stew. Culd hr ur sig 1803 Jan 26'. Looked for WCC/2096 @0835 abt JA Sunset time - Hrd Him and something on 1803, could copy easily QRM/QSB. However at 0844 WCC/449, you 129/229 w/QSB calling a W7. No other E Coast Stns -only W1BB Hrd and many W6,7, KH, VE7. Condx poor for WEA, W6ITY vy vy Weak - sorry Stew No QSO" --Hrd time checks w/W1BB Log -Tax JUN - you hv superb set-up, Excellent results, at MICROWAVE RELAY STN. Needless to say, BB/sri No QSO - this is a FIRST/EVER W/East Coast Stn being hrd in Japan.

"PHIL" de W6AMJ: ---"Well, the T.P. tests didnt go so well this yr. Last Yr was fabulous by Comparison I didnt hr a single JA on DEC 14, FEB1, or 15th - Band just didnt open - hope it's better next Yr

de W6JHO/"Al" --- "Condx poor hr in W6, lots Rain/QRM bad! But FEB 22 hrd JALBHG/339, JALRQA/229/339 when W7FP QSO'd, in addition to JA2NQG & JALPVK not hrd by me! My 120' MONOPOLE semi-vert W/Grand System seems to be wkg fairly well - nice QSO w/KLFBW/8. MARCH Condx poor to JA/land -- if anything is hrd at all it is always JA2CLI. 15th he was 449, JALPVK339 peak 1410-20 then out fast. W7FP QSO'd

de JALPVK/'Masa' --- "This season band condx vy poor. Many many JA boys were on for TESTS. New JA Island OGASAWARA prefix JR1. CHERRY BLOSSOMS soon - will be beautiful - I like spring - but DX end Masa attached his 160 DX Log for the season. He wkd W7FP, DL, DL/7, SPA, Heard: W5SO(T?)-W6CQI, ISA, ITY, QHQ, GP, JTB-W6SNV-W7AVV, DOL/6, ESK-VE7AKI. ALSO has a most marvelous LOG of KPH/2045Kc/S.F. Signals! Masa's Sister just became HMA JH1RWC, and his Father a HAM J8CA. VFB Masa - Sri u Not so active 69/

TRANSCONTINENTAL 160 METER DX TESTS

The European to Japan "TESTS" did not produce any worthwhile results - probably one big factor was the generally poor condx the latter half of the season - there is some question whether they will be "set-up" for next season or not - probably with so many other activities going on, it may be better to leave it to interested parties to make personal schedules.

The USA East Coast/West Coast Transcontinental TESTS continue to be suggested. W6JHO/Al for example would like to have some set up for 69/70 Sez they hear quite a few EAST COAST Stns when Condx r good but most seem to stay and listen only around 1.8 Mc - several others have suggested these tests. Further comments are invited - but here again, with so much going on with trying for DX COUNTRIES on 160, it may be a bit afield to set-up TESTS for EAST/WEST Coast, and we should concentrate on the DX, and here again leave it to individuals to set up skeds etc. ?????????? Yes?? or NO??

MISCELLANEOUS ITEMS

W6NPL/Jim:::QSO'd OKLATP, DEC22, 0630z. THIS is a real nice one way fm IOWA. Congrats BOTH!! Wishes EUs wud try 1802 occasionally - in spite of QRM there. WELCOME "AL" W2BP::: Your 1st season DKing/160! HAM 1932/ex comml Op 1939/3yrs/Xtra Class 1952. 'Believe it or not', Loaded up TV ant on 160! VSWR 1.5/1!! wkd gud! Nw has top loaded vert - located city/Pleasantville NJ w/gud grad syst -Made REAL SPLASH 1st season. 18 Cntries - 32 States and!! QSO'd PJ6CC & FG7TI/FS7 both on all 6 bands - CONGRATS Al - nice to hv u arnd!! W6ASCF/Ed::: Also newcomer/160-hd VFB season. wkd 28 Cntries since June '68 inc SSBx2 w/G3CFV & has tape ro prove it. For "WAS" only needs NEV. NH. RI & KL7. Excellent QTH ovr wet earth but problem w/nearby 67,000V pwr lnc QRM!! Pwr Co wkg on it -HOPE!! Uses TAX/RAA. Blessed w/luck finding ideal ant tt wks fb all bands (LF) a sort of inv "L" - anyway works!!! Concludes "I'm looking fwd eagerly nrt season & yrs to fellow on 160 - loads of fun & lots of FINE people on hand"-sure happy hv U aboard Ed.!! BRICE/W6PNE::: Hd gud season spite poor condx - included QSOs w/ZB2AY, G3PQA, YV10B, KV4FZ, XE/GEN, HR/TU, FG7TI/57. Tried valiantly QSO VK/ZL bt n - was hrd tho by VK/SWL/Geo Allen. Skeds w/ JA3AA-JA2CLI-nil. Trx Brice-FB!! WAALDM/Jack: Hd gud season/wkd 15 countries, 4 continents, 47 states w/50w & Inv V 50' Up. Inc GC31EW & XE/GEN. NOTE!!! Jack needs pwr supply M1070 fr ELMAC AF67 Tx - can anyone help??? W2HV/Ed::: In Hospit we are sorry to learn thru W2BAY - cards via W2BAY!! OK1KU/WILK::: CONGRATS on wkg ZB2AY/Ro 24APR o1c7-0128z both 579, also ssb 57 Willies 19th Country!!! Sez OZ4KPB/Karl 160DX Man - watch! V69GJ/ex G3PQA/John::: Arrived Bermuda recently/expects/hopes 2 B on 160 nrt season. Already bn listening. Hrd ZB2AY, DHJ, Ws Etc Wants buy good used Xceiver. \$ Cable/Wireless Ltc - Church St

HB9CMA BEST DAY:::: Dec 22 w/11 QSOs, and Feb 9 w/6 QSOs - other days no more than 4 - all w/VES
ROY/WITX BEEN IN HOSPITAL - SORRY!!!;;; O.T., active & Successful 160 (1932 Vintage Tx) DXer fm way
back after returning from P3@CC DXpedition - (Conn. Wireless Ass'n-WIBB Chm. & "Prime Mover") where
he 'obtained' the 160 meter operation - wasn't feeling too well - diagnosed carefully - had MOST
UNUSUAL intricate/serious heart artery operation - 14 'Live' blood donors, Dec 10 - Bn in Hospital
16 Days - nw out recuperating VFB - but 12 to 18 more Mos to go. All 160 boys send their 73 ROY,
and are very happy the wonderful results and progress - keep it up!! Hope b.c.n.u. on 160 too!!!

ALICE/WIDQF-xyl/WIBB PROGRESS REPORT:::: After serious heart attack Sep.30'68 doing "Fair to Middlin'
w/ slow recovery. Living quite normally except very weak - can do practically no work - has daily
auto ride when possible. She sends THANKS a Mc w/88s to the 160,boys for their many good wishes
and friendly get well wishes. Tnx Gang for your interest and kindnesses.

G3MDW/Arthur Robinson-Candy Cabin/Halifax/England VISITS WIBB;;; Arthur, Secretary of the Northern
Heights Amateur Radio Society - a wonderful fellow - who has probably done more to boost 160 in G/
land than any other, by circulating 160 Information, lectures, slides etc to many many clubs all
over G/Land gave WIBB a most happy and pleasant day when he visited and we chatted about 160 etc.!!

!!! "A NIGHT TO REMEMBER" !!! de WIBB

My 103rd COUNTRY (All time) -- 100th COUNTRY per ARRL/DXCC RULES

MADE IT !!! Thanks to Dale/W4DQS, and Bob/W4DX, via MALPELO, HK/TU DXpedition w/160 aboard. QSO'd
at 0641 briefly, and 0711 confirmed, Feb/23 for Country 103 "All time", and #100 ARRL/DXCC - CHEERS!!

WHAT a "NIGHT TO REMEMBER"!! for WIBB. In the middle of the first contact, things suddenly went
"Kaput", SWR meter against the pin, no radiation, "off the air" - GADS!!! What a time for a failure!
Just before QSL of contact with HK/TU was rec'd fm him!!!

CHECKED things quickly - indications were that somewhere in the 235' Coax between Tx and Ant, there
was a SHORT!!!

WHAT TO DO??? HOW to find it?? Could it be done quick enough?? In the middle of a dark, cold, windy
night right at the seashore, temp 33F, wind 25 MPH !!

HOWEVER, Grabbed flashlight, gloves, ear muffs, started up ladder on tower. There were 3 joints w/
fittings. Removed covering tape, uncoupled, inspected joints, one by one. LUCK!! The second one, abt
130' fm shack HAD shorted. Fortunate to find it so quickly. Hanging onto ladder with one arm
wrapped around it, holding flashlight in mouth, had to remove gloves, and fingers getting numb, with
pliers & cutters & Jackknife, cut the shorted joint out - stripped down the vinyl - made open splice.
WHEN I stripped the Vinyl, my fingers felt wet - looked carefully w/flashlight & sure emuff, water
was oozing out - quite a lot of it - between the Vinyl/Braid & the polyethylene center of cable.

Somehow, condensation had gotten in there - was running down inside into the fittings. THIS was what
undoubtedly caused the RF short. HOW the condensation got in there is something for FUTURE search.

RUSHED home - 1 1/2 miles - collected 175' spare coax, used for emergencies, field days etc, in four
sections, w/connectors already on ends. Rushed back to "Tower" - coupled cables together, up the
ladder again - dragging one end of it - the rest trailing down and onto the ground/snow/ice. Tied
Coax to ladder - made OPEN WIRE "Jury-Rig" Splice between the two sections., without connectors -
hanging onto ladder w/one arm - pulling ends together in front of the flashlight, where could see & work
on joint. This done, went back down - unrolled and coupled rest of Coax cable - out around
"tower", over ground, into shack, thru open dorr, over floor -- and hooked end which had connector
already on it to Ant. relay - THEN the CRUCIAL moment - tested it - OH BOY!!! SUCCESS!!! It worked!
With that DRY and new Coax, everything was back to normal - SWR 1/1, FINE and DANDY!!!!

WAITED for a break - HK/TU WAS still on - gave him call - he came right back!! (So did 2 or 3 other
guys, right on top of him. Apparently they hrd my 1st 1/2 contact & were still QRX on Fy, for THEIR
FIRST contact. One said "Only ONE QSO per station"!! -- Another "HOG", and still another "Come Now"!!

I could 'hear' I was very unpopular all right - but stuck to it - new countries are scarcer than
Hen's teeth now - might hv bn a real long time before the next one) THIS was a real important event
for WIBB - the 103/100th Country!! I did then get the "QSL" fm HK/TU, and QRT FAST - in favor of
the gang - but regardless I wasn't about to miss that one - especially after all the trouble I'd bn

AFTER the contact, I settled back in my operating chair - a bit tired - relaxed, took a nice rest,
re-living the whole incident over again - then took my pencil in hand and wrote these "Memoirs" !!!
Was even a bit PROUD of myself - at 65 yrs - being able to climb the "tower" at night, under adverse
weather condx, without safety belt which I usually always use, but forgot in the excitement, this
time -- and make emergency repairs IN TIME - about 30 Minutes - to get my 103/100th COUNTRY on 160,
and hit the "CENTURY" mark - a la ARRL/DXCC rules, all OK !!!

As I usually say - HERE's to -- "HAPPY HAMMING always" - especially if it is on 160!!!
b.c.n.u. this coming 69/70 Season!!! 73 de Steve WIBB

KA9AK/Cas::: Tried unsuccessfully to get KA on agn this yr bt no luck - Cas gg "BOOTSTRAP"
 fr yr - then "on the go" agn - hopes to get T&K fr traveling companion - Kope so!!! LUCK and tmr
 fr tt marvelous stretch at KA9 last season!!! **REGRETS TO PAUL/WL202W:::** On learning his oprtg
 was restricted becuz 'heart Condx'. We're all sorry Paul - Hoping "DOG" wl gv U the GA soon!!! Miss yuh
 especially on 160 - best wishes fm all the gang. **W7UJH/PAT:::** Has hd ant trble - no place to
 put it - trying interest his DAD, KHZELT in 160 - maybe!!! **VFB 'TAPES' FROM TURKEY/PA2E/Haci:::**
 Want to hr what the CQ/WV/160/DX/TEST sounded like in TURKEY???. HAZI made two 1 Hour tapes - one is
 most EXCELLENT! Can be borrowed by paying postage both ways & guarantee to return tape, fm QSL/sgs
 JOE CABERLIN/VE3ABG, Postal Stn "S", Box 35, TORONTO 20, ONT, Canada. Hazi wks quite a few on 160
 but no W.VEs yet. **FIRST EVER!! PA/swl DICK WILLIAMS NL216:::** Continues to send in VFB listeni
 rpts - SWLs adda lot of interest and valuable information to our 160 DXing - uses indoor JOYSTICK
 BR146 Rx 2/160 Converter. VFB Dick Tnx!! **KEVOR/Rick CROSSES FOND OK:::** QSO'd G3CFV MARS, G
 2XKH/MAR9, VP2KK/MAR14 and G03IEN/MAR15 How's TT fr FB North??!! **KLFEN/ERNIE:::** Although
 away from "HOME BASE" has done a marvelous operating trick on 160 this season. First as 1/4, Kentucky
 also 1/8 in Athens Ohio using vert BC Tower, balloon ants etc!! Netting himself a resounding "FIRST
 EVER", MALPELO/HK/TU on 160 -as well as other notable achievements including vy high score in CQ/WV/
 160/TEST. - See nxt yr wl B near nuff home (is professor) to operate 160 weekends fm home, in Conn.
 and he plans a pair of phased 1/4 wve verte as well as 2 or 3 wavelength IWA, high up, plus his FB
 BEVERAGE antennas. We sure are going to hear fm Ernie nxt season!!! **de F6JHO/Al:::** sez most
 consistent/reliable East Coast Stn Wa15GF, altho W6GDQ puts in tremendous sig8 Would like to see
 USA TransCONTINENTAL TESTS next Yr.!! **VE3F50/IVAN:::** Back on 160 Jan/68 after QRT since 6t/65
 for musival traveling job, w/QRP/5w wks 18 states - nxt yr wl hv 260w & now Rx & take part in TESTS.
 Great!! -"They always come back" **W3DRJ/TOM - NICE SEASON:::** 25 countries wkd - Latest 6Y/
 HK5EV,OKIATP, FY2BJH!! Tried fr "Gus" ZD2A, bt NIL-Gus apparently not on. Tom won IARC Contest on
 160!! **SWITZERLAND/PHILO/HB9CM:::** Has bn on regularly throughout the season w/ listening/
 transmitting skeds. Unfortunately Condx since JAN 25 hv not bn gud and there are no outstanding
 results - but if DX hd bn possible to wk - Philo wud hv QSO'd it!! Has a VFB sig in USA this yr.
BILL BRIGGS/K6ANV::: Moved to new QTH 1700' asl/Hill Top, (Typical Ham). He & Loren, K6DVD
 'Batching' together, quite active/160 w/Drake equip & 75' High Dipole. FEB 23 hrd KV4FZ/579!! "Old
 un... I was blue in the face - no luck - WISH you EASTERNERS would listen HIGH END!!! Our No. 1 Goal
 is to QSO Europe"!!! Best of Luck Bill/Loren. **CONGRATULATIONS OKIATP/"Just":::** who has QSO'd
 15 entries w/home brew 10w tx. 1st W-WIRE/1,2/9/69 **GUAL/RK6-MAURY/W. LOY/K/DEK:::** Returned fm
 1st trip there - still TRYING to get 160 Lic. - "Will return again" near future. Sri/keep trying!!!
BARBADOS or BERMUDA???? Was John G3PQA's question in early winter - it is BERMUDA - see bottom
 page 5 herein. **CONGRATS G3CFV/Frank:::** This season wkd 19 W/VEs, plus 19 OKs and ZB2BO, HB9CM,
 OK1KV, JA/CFW, VE1EZ, KP4LC, VO1FB, DL9KRA, OE5AKL and hrd many otrs - sez, "Jan 21st was the BEST 10ve
 EVER, hrd 160 fr Ws - K2ANR was holding SK101 "S" Mtr on the stop w/both his ants. Also wks W2RAA
 late as 0753 my SSB/his CW. K2ANR 2xssb 5/8 Both. A Wonderful year!! However because of housing devt
 development may lose my VFB ant" -- NO!!!! It shouldnt be Frank!!! **FLASHBACK/OKIATP:::** Made an
 unusual score DEC 22 QSO'ing W1BB/1, K1KAF-W2FJ, G, K1T-K2ANC-W3FR-W4ASCF-W5ANO, J1H-K5BBI, RRM-Na30JA,
 ADB-H4MFL. "Fine and Gandy"!!! **de W4BOLN/Don:::** "GREATEST THRILL in my life was working
 G3RFB, weekend after Thanksgiving!! Condx Great this yr. Use 75' Inv B "L" & 70w - arnd Exas hrd
 OKIATP, HB9CM, ZB2AY. VFB!! **WIDEO/HERB HAS NEW QTH:::** On cape Elizabeth "Beside the sea", @
 Portland Maine w/ Inv V up 110" at apex and large grid screen - hears very well, but doesnt seem to
 get out to South & West quite so well as from TV ant site on Killtop. Time wl tell - Luck HERB OK.
K2ANR/JOE-RIVERHEAD L.I.::: Really "Went to Town" this season. 19 Different Gs on CW plus
 G0, G1, OK, DL, HB, IV, ZB, ST also 9 DX/ssb QSOs - nice Joe!! **SORRY F6JHO/Al:::** Just started in en
 160 CQ/WV/TEST - wks W3DRJ for 369 @/20w & hrd a few JAs, JA2OLI & otrs 399 - then the Cal. Rain/
 flood came - into house and shack - had to QRT and bail - terrible job cleaning up!!!
VK5KO/JOHN'S 160 ANTENNA::: Blew down in 80 MPH wind - but has it bk up agn. Listen fr him
 on 1802 or 1827 w/VE sunrise time - john is 70 Yrs old, approx. The longest on, most faithful and
 perseverant VK ever to show on 160 - CONGRATS!!! Keep up the good work MANY MORE YEARS John!!!
MANY THANKS TO JOHN ATTRAWAY K4JH/GO BY COLUMN::: and FRANK ANZALONE W1TY::: for the super
 job they both do boosting 160!!! **DL9KRA/W1BB 160 WAC?:::** Jan has wkd W1BB fm 4 different
 QTHS FF3BV, DL9KRA, OE4FO and OE3OE. Sez "Maybe stw, we can make it from All 6 - a DL9KRA/
 W1BB "WAC" on 160" - sure hope so Jan!! Next?? **160 VIA SUBMARINE/G7ZEM/BILL:::** Has his QTH
 on Chalk Cliffs, 150' asl and in 1966 saw his 160 Antenna Mast from periscope of SUBMARINE 5 Miles
 south - unusual - a record - VFB!!! BILL has also done a wonderful research job on QRM conditions
 on 160 in U.K. - Congrats. **ADDED TO TAPE LIBRARY AT W1BB:::** a tape de W7LNG/Dud w/vfb JA
 sigs. Available you pay postage BOTH ways. **VK6/swl BERNIE ALLEN (Ex G/swl):::** Hrd VE3QU JAN

and SURE ENOUGH!!! Water was cozing out between the vinyl covering, and the copper braid, and the polyethylene inner section -- APPARENTLY somehow or other, water, or condensation water, had gotten INSIDE the coaxial cable and was causing all the trouble. Possibly where the cable rubs against the tower a break has been made somewhere and the water got in - it was too dark and time too precious to go looking about that at the moment. But it was WATER inside the coaxial cable that was running down into the connectors and raising all NED.

WELL!!! I made a QUICK, open connection, splice, and ran the 150' of new DRY Coaxial cable all the way from the Antenna leader, down the tower ladder, over the ground and around the tower, and into the shack through the door left ajar, over the floor, a real "Jury-Rig" and "Haywire" lash-up, completely bypassing the regular feed line for 150 Feet of it. HELD MY BREATH BREATHE when I put the transmitter on - but WHOOPEE it worked to perfection - SWR 1/1 as usual and all OK - and believe it or not - made this last maneuver/splicing in the bypassing cable, including going home and getting it, between 0641 when I first contacted you, and 0711 when I contacted you again. I worked liked mad - was afraid you would go off the air/QRT maybe - and who knew if I would work you the next night, or even if you would be there - to me it was plainly a case of "Do or Die"!!!

SINCE I had gone off the air in the middle of our first contact. I wasn't sure, as I said, if it was "GO" or not and wanted to double check. This QSO being my No. 103 all time on 160 and No. 100 per ARRL/DXCC rules was most unusually important for me - especially when new countries today are so hard to come by.

GOT out to the edge of the pile-up, hoping you would hear me all OK. Well, I called you at 0711 and stood by. Someone came right on top of you and said "ONE QSO IS ENOUGH" - someone else let out a "ROG" and someone else said "CUM now!!" -- I could see I was ~~unpopular~~ unpopular for taking up time for a second contact. Maybe some of these guys had been on when I first contacted you and were still QRX for you themselves - I could hardly blame them. They 'smothered' you for a while, but I got my report again 569 and your 449 to you OK -- but I QRT fast to get out of their hair!!

NOW, later same evening, as I am writing this - I am listening to you work 'em - LOTS of them - nice show - and lots more QRX for you - been a lot of publicity on your 160 meter operation - have spread quite a bit myself - written letters - QSTs etc etc.

LETS SEE - I did this jury-rig lash-up, up on the Tower, in the dark, with flashlight which I held myself, in my teeth, or in a pocket - holding onto the ladder with one arm, pulling the cable in to the ladder, and cutting the ~~SHIELD~~ vinyl off, baring the wire and shield, on two pieces, NO, one piece, I fixed one before I went up the tower, hands numb and freezing -- in about 30 Minutes - which included going home and getting the cable - climbing the tower, making the splice, then back down and running cable around tower and over ground into shack. Cant help but being a little PROUD of myself to be able to do all this at 65 Yrs age - makes me feel good -, and AFTER already working on it all day and evening too ~~MEANSY~~. But come to think of it - it was a bit risky - at 1.30 AM all alone - up on the tower in the dark - if something had happened, would probably be there alone until sometime the next day - before it was discovered. Maybe my sick xyl would have had to alert someone - but I took plenty of precautions - am used to climbing - except I was so excited and in a hurry I forgot to use my safety belt which I usually always do use!! Ho-Hum!!!

NOW do you understand what I mean, when I say I wont forget THIS one??!!!!

THANKS vert much Dale for alerting me to this new one, and for your crucial part - really do appreciate very very much.

YOUR own story on the DXpedition, will be most interesting - guess you had some troubles too - and I'm looking forward to reading it when the writeup is ready - musta been a real thrilling deal.

HERE's my QSLs - two for 160, and one for 20 - please QSP them to the proper place for answering - stamped envelope enclosed - thanks!!

HAPPY DXing always Dale -- and Bob - ~~ESPECIALLY~~ ^{spliced in section and coiled it up in} ~~when he was in the mountains~~ ~~troubled it/Steal it/Bother it.~~

73 de Stev/W1BB

Took down the

P.S. - Meant to get on again MON/am - but was a bit bushed and couldnt make it - then tonight we have another "Blizzard" blowing and cant go up tower to affix Coaxial -

OCT 21 1969

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop - 02152 - Mass.

HERE
R-1
"All The Latest"
on 160 For you
Happy Days

MAY MAKE
UP on THAT
PY UNIT
Someday

OCTOBER 15, 1969

W1BB -- 160 METER DX BULLETIN -- W1BB

1969/1970 - No. 1

W1BB/Stew ----- OPTIMISM!!! is the word!! for a wonderful 160 Dx season! - This is the feeling of all as this 69/70 period gets under way and starts with several GRAND Openings to VK/land and a "Humdinger" to Europe SEP 28th, when Ernie/K1PBW with his new 142' Vert, w/ 100 radials - some 133', some 350' long, QSO'd 17 different Eu ststions - getting 599 Plus 15DB from DL9KRA, and 599 from OKON... - W1BB/1/Maine worked 14 stations w/Horiz. Vee/no Cpse. Many other stations have been QSOing VK/land and Eu!! -----, While last season suffered a real "Dip" in accomplishments - what was done under the circumstances was remarkable in view of the fact that conditions were at highest sunspot activity, when 160 DX was supposed to be non-existent. Faithful 160 HAMS all over the world have proved that "160 DX isnt DEAD" ever!!! It has been thought this season could be poorer due maybe to "Delayed-Action" effect - meaning that whereas last year at the height of the sunspot cycle DX wasnt too bad, this year, a little after the peak, detrimental Conditions MIGHT have ACCUMULATED to make Condx worse. We hope NOT. We believe NOT. Will be interesting to find out - wont it!!! ----- Activity and interest are high - many more 160 meter stations on due to availability of 160 transmitters, (DRAKES etc) - DXpeditions are covering top-band more and more - reports flying of new countries to be on - and as usual PLENTY of operating activities are planned::: TransATLANTIC Tests -- CQ/WW/160/DX/Test - Annual ARRL/and CQ DX Contests, with plenty stations looking for 160 BAND multipliers, TransPACIFIC DX tests - for the third time. The first was good - last year poor - 69/70????? ----- We THINK, not quite sure yet - but indications are favorable, that the "DX-WINDOW" idea on 1825-1830 Kes is "Catching-On", seems to be good cooperation in many respects, which we all appreciate - but need more help from 160 HAMS to help spread the "Gospel" !! (Write W1BB) Of course, the REGULAR "Sunday-Morning" traditional DXing periods will be held every week - lots of stray and exotic DX shows up between "Tests" !!! Yep!! There's PLENTY to look forward to this season. ----- Send your reports/Data/HOT information/Special FLASHES etc to W1BB for reporting to Mags via this BULL, and/or QSTs de W1BB Sunday Mornings just before 0500z - also for quicker handling, send your HOT info direct to your favorite news media. COPIES of this BULL will be sent those supplying W1BB with 12 S.A.S. to active DX participants, and those supplying BULL information. Will try real hard to have no errors but if they creep in will be corrected on notification. ----- SOOOOOOOO, as we always say:: Let's "WORK DX THE HARD WAY - on 160" with all it's "Thrills-Chills-Spills" !!! Putting our stations in "Top-Notch" condition, developing our "Know-How", good operating techniques, and just plain HAVING FUN!!!

Best wishes for a "Top" season on "Top-Band" w/ HAPPY HAMMING always

73!! de Stew/W1BB and W1BB/1 --- b.c.n.u.

Stew

The 1969/1970 series 160 Meter TransATLANTIC DX--TESTS --- Will be held the following SUNDAY Mornings from 0500-0730 GMT. Nov 30th Dec 14th and 28th -- January 11th -- Feb 1st and 15th GMT Dates. During these TESTS, Special effort will be made to establish records and work new Countries. --- W/VE stations call "CQ-DX-TEST" the first 5 minutes of the hour and alternate 5 minute periods thereafter, listening between. --- DX will call CQ-DX-TEST the 2nd, 4th, 6th, 5 Min periods etc., listening in betweentimes. Adhere to this schedule except when QSOs are in progress. Use authorized frequencies. W/VEs, East 1800-1810. W/VEs, West, 1990-2000Kc. --- Europe 1824-1830 Kcs and 'Try' 1851-1861 This year - a nice clear spot. -- ZL(3RB/1AYG), 1876/1886 Etc --VK(5KQ) etc 1802 Kc approx. ZS 1930-1970 (QRM'd by Boran here). NOTE - the East Coast USA band extends from 1800-1850 Now. We are trying - with some success - to establish the band 1825Q1830 as a "DX WINDOW" - and it seems to be "Catching-on" fairly well thus far. These TransATLANTIC DX TESTS held since 1932 are symbolic and reminiscent of the original TransATLANTIC Crossings by MARCONI, DeLoy, Schnell and Godley, 1901-1924 and are lots of "FUN" too!!! With todays very fine antennas, receivers, "Know-How", crossings are much more frequent but there are still lots of "First-Timers" and the operation a welcome change from "Routine" QSOs. One must be "On the ball" for unusual DX openings from most anywhere over a darkness path, particularly at Sunrise and Sunset times, at either end of the path, as this is when 160 meter signals "Peak" !! Many work their "First-Ever" 160 meter DX During these tests. These ARE TESTS, Not Contests, run for pleasure in an unusual operating activity without competition. Besides the fun - development of PROPOGATION information makes a worthwhile contribution to the art of Radio. --- Send your reports after each TEST to WJBB, for logging and reporting to the magazines. Send HOT or unusual results, news/items, etc direct to your favorite HAM Publication if you wish - but 'copy' to WJBB/DX/160/BULLETIN, Please. Remember to keep the test periods accubately - setting your clock by "Time-Tick" before each TEST!

FIRST TIMERS TESTS

Because of the fact that EVERY Test is fast becoming a "First-Timers" test - and because of the participation in the special tests last season special "FIRST TIMERS" tests are omitted this season. All HAMS will be especially looking for the NEW COMERS and doing their best to help them!!

"THIRD ANNUAL" 69/70 Trans-PACIFIC 160 Meter Dx Tests

CONGRATULATIONS Go to the JA boys and the West Coast stations last Season who faithfully kept up the TESTS in spite of conditions that were not too good - conditions were poorer everywhere but seemed to hit the PACIFIC area the worst. WITH the apparent "Pick-UP" in conditions this season thus far it is anticipated things will go much better and we are going to give it another "GO"!! The JA Boys have indicated that they want to give it another whirl!!! SOOOOOOOOOOO Here is the "Dope" !! DATES::: Nov 29, Dec 13, 27 - Jan 10th -- Jan 31st and Feb 14th all GMT DATES!! TIMES::: GMT will be 1330-1600 gmt SATURDAYS. --- ~~DM~~ THUS the tests run from 5.30AM to 8.00 AM Saturday Mornings, W/VE Pacific Coast Time. This is 10.30 PM Saturday Evening, to 1AM Sunday Morning Japanese time. --- As on the TransATLANTIC tests, these times are set to embrace SUNRISE at the EASTERN or West Pacific Coast USA end of the JA/W Darkness path -- with some time allowance to reach further East into the USA/Canadian areas. JA Oceanic DXers who wish to try the "East" or ATLANTIC Coast W/VE, can start at 1130GMT, to approximately coincide with the Atlantic Coast SUNRISE peaking Conditions. ("This IS a Chalange!!). --- PROCEDURES::: W/VE stations will call "CQ-DX-TEST" the first 5 minutes starting the hour, or half hour, and alternate 5 minute periods thereafter - listening in betweentimes --- DX will call "CQ-DX-TEST" the 2nd, 4th, and 6th. 5 Min periods, and so on - listening in betweentimes. ADHERE!!!! to this schedule of calling and also listening periods, except when QSOs are actually in progress. USE authorized frequencies, W/VEs, 'West' mostly 1990-2000Kcs --- W/VEs 'East' Mostly 1800-1810. JAs 1907.5-1912.5 (We are sorry that these JA Frequencies are very much QRM's on the East/Central USA but steps are being taken to see if other frequencies may not be obtained - not rec'd yet). ZL3s etc 1876-86 Approx. VK/1802 SPECIAL JA/W 69/70 SUNSET TESTS are also suggested::: Last season it was found that there is a definite peaking condition around JA Sunset times, preceeding the USA SUNRISE times when pretty good openings are possible, and it is again suggested that enterprising HAMS take advantage of this JAPANESE GMT/JAST SUNSET Times are as follows::: Nov.1. 0746 GMT/4.46jast 00- DEC1. 0728GMT/4.28 jast. FEB 1 0807z/5.07JAST --Mar 1. 0836gmt/5.36P jast THESE would be 11.46p, 1128p, 1207a, 1236a "West Coast" USA/NA STANDARD times. Test periods suggested for the special JA Sunset TESTS is 0730-1000 GMT Saturdays, which is 11.30 PM Friday to 2.00 AM Saturday W6/7/VE7 time - or - 0730-1000 4.30-7.00PM Saturday Evening JAST

thirteen minutes before SUNSET time to an hour or two after SUNSET seems best. If the TWO tests in one night, the JA/SUNSET and the USA/SUNRISE together are too strenuous, perhaps some fellows can "Alternate" Doing the SUNSET test one weekend and the SUNRISE test the next - OK??? Last season there were SUNSET Crossings - lets see how many can be made this season. ALERT is the word for unusual DX openings anywhere over DARKNESS paths, particularly at Sunrise and Sunset times, at either end of the path - just as long as the entire path is in darkness, and at or near twilight or dawning at either end. REMEMBER these are TESTS and not Contests!!! For pleasure in an unusual operating activity without "Competition" ----- Keep exactly to your respective transmitting and receiving periods unless in QSO. --- SET CLOCK accurately by Time Tick just prior to each test. (WWV, WWVH, or Canadian 7335Kcs) BEACON stations too can be very helpful in checking Band condx. Try KPH/sf/Calif/Pacific Coast/2045 Kcs, WNU/New Orleans/MidUSA/Gulf Coast/2048Kcs - WCC/East Coast Boston/USA 2036 Kcs and also Hawaii 2500Kc WWVH. These stations are all on 24 hours a day sending CW, Ship's traffic lists, bulletins, wx etc. --- JALPVK/MASA has done a most outstanding job logging KPH April/May/June this year - anyone wishing to borrow copy of Masa's WEB report - write W1BB. ----- REPORTS should be sent to W1BB for logging. News Items for this BULL, reporting to Ham Mags etc. Also send direct to your favorite news media if desired, any unusual or HOT items!!! W1BB Sends best wishes to all for another HAPPY season of PACIFIC DXing on 160. We East Coast "Boys" are all envious and anxious to work JAs - however it is a hard nut to crack - JA2CLI hopes to be ready one of these seasons but will not be too active this one, to try and see if signals can be worked AROUND the AURORAL OVAL as he heard W1BB's signals this way, this last season.

OTHER ACTIVITIES ANTICIPATED

The CQ/WW/160/CW/DX/TEST in late January is always a WONDERFUL show!!! We hope for A-1 Conditions. The ARRL and CQ DX CONTESTS always provide great opportunities for rare DX Contacts, new countries and multipliers etc. EXPEDITIONS are more and more carrying 160 with them. Jan DL9KRA hopes to hit CE3 again also. As usual each season many unpredicted nice tid-bits come up unexpectedly. Like HAMS visiting foreign countries - or some new interest developing here and there. Keep an ear to the ground!!!

TRANS / A BRIEF on Trans-ATLANTIC and Trans-PACIFIC 160 Meter DX TESTS ATLANTIC
 DATES:: Nov 30, ~~REPORTS~~ DEC 14, 28. --- JAN 11th --- FEB 1st, 15th GMT Dates
 TIMES:: 0500-0730GMT
 FYS:: W/VE-"East", 1800-1820 -- W/VE-"West", 1975-2000Kcs Europe 1823-1830 & Try 1851-1861.
 CALLS:: "CQ-DX-TEST" alternate 5 minute periods, W/VEs leading off. SET CLOCKS ACCURATELY!!!
 REPORTS:: TO W1BB and/or your favorite news media.
 NOTE:: Special "FIRST-TIMERS" Tests are omitted this year. EVERY TEST is now "FIRST/TIMERS" Test

TRANS / P PACIFIC
 DATES:: Nov 29 -- DEC 13, 27 -- JAN 10th -- JAN 31st and FEB 14th GMT Times
 TIMES:: 1330-1600 Saturdays GMT
 FYS:: W/VE-"West", 1975-2000Kcs. W/VE-"East" 1800-1810Kc. JAs 1907.5-1912.5 Kcs. ZIs 1876/1886. VKs 1802 plus or minus a few Kcs.
 CALLS:: CQ DX TEST in 5 minute periods, listening between calls. W/VEs lead off 1st period on the hour and/or half hour. Set Clocks ACCURATELY - KEEP TO TEST PERIODS.
 SPECIAL:: JA.SUNSET, Tests Same dates but 0730-1000gmt/Sat, or 11.30FridayPM to 2AM Sat W/VE West Coast time and 4.30-7.00 PM JAST Time.
 REPORTS:: To W1bb or your favorite news media

PRELIMINARY indications this season are good both on Europe as well as South Pacific and Western Paths, and with the lessening SUNSPOTS a good season is anticipated for 1969/1970 with lots of fun and interest"working DX the Hard Way"!!!

"SILENT KEY" Sorry to have to report, my beloved xyl/Alice/W1DQF, passed away quietly in her sleep without pain or struggle, June 18th 9.00 PM, at our Country Home "Villa Mon Repos", (So named by her many years ago), Harrington Maine. She had just come out of the Hospital a week before feeling the best she had for 10 Months. She was very happy to get into the Country to see her flowers, shrubs, birds, wildlife and enjoy the quiet and peacefulness there - truly she passed on happy and at peace in her mind. Besides W1BB's losing a lovely wife, we all have lost an ardent 160 meter booster. She was always interested to know WHO was on, HOW things were going, and "What's NEW?" on 160, and rooting for more new Countries!! She always enjoyed our 160 meter visitors here, and knew many of the active 160 meter HAMS and STATIONS. de W1BB

SUMMER DX - CHEERS!! SALUDOS!! CONGRATULATIONS!! - NEW COUNTRY - "FIRST/EVER" - "TRUCIAL STATE"
MP4TAF/G3XAO/Alan - (Asia Zone 21) :: Alan's local friend G3WAH/Norm was telling him abt all the
July DX on 40 inc. MP4TAF/Derek QSO'd him on 40, set 160 skeds Sat Nite July 26th. Made contact
immediately on 1802 Kes, 2319-28, RSTs 449/459. Many other G's QRK but MP4TAF QSY'd 1825Kc and wasn't
hrd well. Coincidentally G3WAH contacted MP4TCN a neighbor of Derek's on 40 who walked over to
Derek(s giving him list of Gs QEZ/160. HOWEVER, Band went out at that time most unfortunately.
G3TSA did make marginal "Contact" though. More skeds are planned. CHEERS!!!

SUMMER DX - K2GNC/Bill sez "Band open to Eu early July arnd 0100z. Copied DHJ/269 many nights.
July 10th wkd Hercilio PY2BJH/569, Excellent QSO (Mine 449). Noise level low. QSO'd K4IA/KC\$ also!!

SUMMER DX - PY2BJH/Hercilio:: Has bn hrd & Wkd by several East coast W/VEs He also made first
PY/USA ssb w/ K1PBW o215 July 10. Hercilio says lots CX stns on 160!!

DXPEDITION/ST.LUCIA/VP2LZ- HERB KV4FZ:: Cheers and Congratulations again Herb - he sure keeps his
"Island Hopping" DXpeditions rolling. May 23, 1969, 160 Contacts were in this order. W3FE, W1BB, 2BP
8JIN, K2GNC, 2TA, K8DHT, 9PNE, Wa4SGF, 8GDQ, 3MFW, SHNJ, ANFL, 2PV. Herb sez best time was 0200z - after
That Condx deteriorated. 14 QSOs total compared to 55 from VP2KK St. Kitts. Nice trick Herb!!

DXPEDITION/NAVASSA - K4IA/KC4:: Thanks to "ALL the DXpedition Boys", but more specifically to
Dale/W4DQS and Herb Schoenbohm, KV4FZ/W4VXO who did the 160 operating - nice work!! Another FIRST
was made fm NAVASSA June 20/25 when USCG opened up this rare spot to HAM operations. Thankfully
the DXpedition did not forget 160 and many W/VEs were QSO'd for each of them another "New Country"
(W1BB's 107th) -- VFB and Tnx Mc Dale and Herb!!

HEYERDAHL REED BOAT/RAFT JOURNEY:: And while we are talking about that intrepid 160 meter DXer
Herb KV4FZ/W4VXO, we should mention that he has been keeping contact this summer with the epoch
making voyage across Atlantic by Thor Heyerdahl and his six man crew on the Boat/Raft Constructed
entirely of reeds. Unfortunately it had to be abandoned because it was breaking up - 600 Miles
fm destination - Herb's daily contact on HF was great assistance to them. Name of boat was "Ra".

"DX-WINDOW":: Due to liberalized 160 meter USCG/FCC authorizations, operation by W/Ve HAMS
is now permitted in the segment 1825-1830 which has always been so ideal for DX Stations to reach
into Eastern and Central USA, over the years. HOWEVER, Now W/VE stations in these segments Clobber
the DX unmercifully. Many alternatives have been discussed and tried, but none seem to work. It
has been concluded that we will try to enlist the friendly COOPERATION for which HAMS are so well
noted, requesting W/VEers to please NOT operate there during DXing times. Many friendly letters
and diagrams have already been sent out and apparently in most cases the boys are most happy to
help to keep this channel clear. Complete success is NOT definitely assured - but many DXers are
working on it - and we are HOPING!!! At least, we feel there may be a big improvement. HELP in
this endeavor by any and all 160 Meter enthusiasts will be appreciated in spreading the friendly
word. Write W1BB if further details, copy of letter, chart etc are desired!!! THANKS a LOT 888

W1BB out of "Drydock" now;;; After extensive repairs - something not entirely unexpected, since
Xrsys and tests have indicated this possibility since 1965 - Stew is out of the Hospital and
apparently all "Fine and Dandy" now!! Hoping to hit 160 DXing hard again this season!!!

160 METER DX SEASON "Opens with a BANG" !!! W8GDQ/Willie, led off Sat Aug 30 AM, working VK3GU
w/good signals BOTH ways!! W8ANO/Waldo, worked VK5KO. --- The JA DXpedition JD1YAB was not heard
because of terrific QRN on their Fy at both W8 and W1 ---- W3DPJ/Tom reports "PAST TWO DAYS" ~~W3DPJ~~
"FANTASTIC" !!! Aug 31 wkd @ 1015z, VK5KO 449h/559m (His/My) -- VK3ACA 559/559, VK3APN 449h/559m
(My first VKs). Then Sep 1 KL7IR 449/339 for my 50th state!! And 30th Country!!! CONGRATS/TOM!!
We are sorry to learn W3DPJ is moving to W6land Oct 1 and w1 b W6KWE - We'll miss you here Tom, but
HAPPY DAYS and the best of luck @ W6land - luck TransPACIFICs and dont forget the East Coast boys.
FIRST Transat;antic crossings apparently (For 69/70 Season - Sep1/Aug31) Sep7 G3VMB/WBB - Sep 14th
G3OLI/W1BB then Sep21 E1BB/DL9KRA, G3OLI, EI9J, G3MYI, G3VGK and others. W1BB QSO'd VK3XB, VK3KS Sep/20.

SPRING VK DX:: K1PBW/8, W8GDQ, W9PNE, W3DPJ, W9UCW Cooperated w/ VK/SWL/George Allen, VK3GU, VK3APN,
ing the spring EQUINOX running some "tests". K1PBW/8, W9PNE, W5HW were hrd but no QSOs. SALUDOS to
the gang for faithful dedication to these skeds.

1967/1968 vs 1968/1969 COMPARISON of results de W1BB:: In 67/68 W1BB wkd 80 different DX Stns
in 31 Countries. In 68/69 W1BB wkd 93 different DX stns in 33 Countries. Seems to say conditions
werent too bad for the High Sunspot Cycle Year! You never can tell about 160 - what it's going to
do. Intriguing and interesting - N'est Pas???

OM/xyl TEAM - VK3XB/Ivor and VK3KS/Mavis:: CONGRATULATIONS to this VFB 160 "Team" - sure is
wonderful and they are doing excellent job. 160 xyl is something rare and "Precious" !!!

QRM ON 160 de W2BP/Al: "For those of us who live amongst TV sets, there will probably be some QRM on about 1826 Kcs - the 116th Harmonic of the 15,750 KHz Horizontal Osc. (There's another birdie around 1810 and 1841 as well). It seems to be a matter that varies with the TV set - our own is not a 1 - but some of the neighbors sets do buzz - except early morning when they are off" -- Tnx Al very nice comment. (The 1826 one HAS caused lots of trouble w/hearing DX hr at W1BB.)

160 RADIOMETRY de W2CMS/Angale: sez "Hv collected sizeable amt radio wave propagation data related to 160 also AURORAL OVAL. Relatively new, enlarged model of media surrounding earth, is magnetospheric plasmasphere, solar wind etc. Most Interesting. Would like to construct 160 Radiometer to study weak 160 signals - If a serious DXer developed some of these techniques it should help a lot - wont someone describe how to build, in QST/CQ/etc???" -- VFB "Advanced Thinking" -- Mice - Tnx.

COAXIAL CABLE - "THAT NIGHT TO REMEMBER" de W1BB: Since good Wx has returned, W1BB has been able to investigate cause of COAX failure. About 15 ft above the coax fitting joint that failed, the COAX Vinyl covering had a crack extending around it - water got in thru the braid, between the vinyl and polyethylene center, ran down inside the coax covering until it hit the fitting - filled and backed up to the crack 15" higher - like a water standpipe - and with the filling full of water - the RF simply shorted out. What produced the crack is unknown, but possibly it was not supported enough, or it just might have been a flaw in the vinyl.

MORE ON BEVERAGE ANTENNAS !!!!

Ernie. K1PBW led the way last season with an 1100 ft long, Pointed NORTHEAST/Eu. "BEVERAGE" receiving antenna which showed excellent results!! Quite interestingly, this is the antenna PAUL GODLEY used in the "Original Transatlantic DX Tests", from Andressan Scotland, to pull the FIRST EVER amateur signals across the pond. ---- W1BB in thickly settled WINTHROP MASS never had room to install one -- although at one time I did try several hundred feet of wire tied to neighbors fences etc within the BLOCK with interesting but not too good results. ---- But this September, at my country home, "Villa Mon Repes", a 25 Acre Estate at Harrington Maine -- with chain saw/axe/10' ladder/tree clippers I hacked out a 1200' "Right of Way" up through our dense woodlands, and installed a BEVERAGE. ----- This consists of a single long wire, pointed in the direction you want to receive from (Europe N-65 Degrees East from VMR) and 10 to 15 feet high - Mine was actually 12 ft. I used #16 Plastic covered flexible war surplus wire hooked on nails or over limbs. (Would have been better to use insulators) (But since this was just a quick "Test", being at VMR just two weekends). --- At the far end the L.W. is grounded through a 600 Ohm resistor to either a good ground, or counterpoise radials. I used 4, 133' Radials laying on top of the ground. The receiver and simply goes to the antenna post of the receiver direct or through a V.C. - Receiver should be grounded. BEVERAGE works over any terrain, but best over DRY and poor ground terrain. It is also called a "WAVE ANTENNA" because it's operation/effectiveness is because of the successive wave fronts hitting it and building each other up. The antenna length is not critical, 1000' to 1300' being usual - the longer, the more directional - but lengths over 1200' dont give too much increase in performance, per Ernie who has tried up to 2600 Ft. --- The antenna is NOT resonant at any particular frequency. Fortunately I had excellent openings for my TESTS to "Try it out" and it sure worked "Fine and dandy". ----- What you notice first, compared to a resonant antenna, the usual half wave vertical/inverted Vee etc., is a drop in the SIGNAL level of about 3 or 4 S units. You also notice signals drop about 2 S units in the favored direction. This gives an improvement in signal to noise ratio of about TWO "S" units. (All figures are "Approximate", but are "In the ballpark") BUT -- you are able to read these weaker signals MUCH better because of the MUCH lower noise level. THEN the BIG advantage is that you can open the receiver gain up WIDE - - WIDE OPEN - it is not restricted by the noise level as it is so often - and bring in signals you otherwise wont hear at all. ----- Additionally I found that although it is most directional the way it is pointed - the far end - it also worked excellently in the opposite direction!!! But not as good as the forward direction of course. I had good chance to test it during QSOs with VK3XB/VK3KS and also listening to VK3RO. Even though their signal strengths were down two "S" units or so - they were MUCH more easily readable on the BEVERAGE. (Ernie/KBW has put up a second BEVERAGE, directional to VK land -(Envy Ernie with his wide open spaces!!) (W1BB I could bring MY beverage to WINTHROP!!!) USE of their directional effects, they also help greatly to cut out much more W/VE QRM. They arent too hard to put up - IF you have the space!! ----- This is most interesting too --- the following weekend Oct 5th QRM was TERRIFIC - all W/VE stations QRT, except W1BB/1/Maine - as I wanted to see what the BEVERAGE would do. With my regular antenna a horizontal 500' Vee 60' High QRM couldnt be read or QSO'd. BUT with the BEVERAGE, I worked 4 Europeans - the only QSOs that night - it's that good as a QRM "Cutter" !!! SOOOOOOO all we need now is plenty of space!!!

"160 TO THE RESCUE"

Albert Nevers, W₇TY, now a COMMERCIAL ships operator, WSUD SS "The Cabins", wrote W1BB as follows:
"New, you might like to know something you have accomplished through your 160 meter influence on
me - and I never get on 160 - but I had an example of it yesterday. --- A Filament Tx in my HF
TX shorted out on shipboard, so I only had the 500Kc (600 Meters) rig left. We were returning
from France and in about mid-Atlantic ocean. I got a very important urgent message from the
skipper to send to New York. I tried and tried right up to midnight to get that message off but
N.D.!!! Of course, every HAM knows that medium Fy works best at night and through your experience
on 160, you had taught me that the best conditions were at Sunrise. Therefore I waited until about
DANN in Mid Atlantic - and "Binge", Just before SUNRISE I got the message through V.F.B.!!!"

MISCELLANEOUS

FET OSCILLATOR GOES TO TOWN ON 160!!!: Credit to W3PQJ/Rd for CW working W2ITN/Dick in Gloversford
N.Y. from CHALFORT PA, about 200 Miles on 100 Mw, 24v-412 Ms. Ant. full Wve Triangle. This is
apparently an FET First!!! Also QRP very excellent!! ----- K8BBI: Heard by VK/swl/George Allen!!
W5RTQ ExKL7FRY: QSO'd VK3ARN, VK6NK, 1212z 1/2 Hr B4 sunrise fm Houston Texas, 579 Both!! Nice -----
"160 METER REUNION" @ Joliet Beach Club: W9KYW/Chuck reports that this years "Reunion" was a real
nice affair 80 were there inc. W9UCW, WSMTG, W8JR, W8GDQ, w/ many fine "Eyeball" QSOs!!! -----
GOOD NEWS - G3RBP/Roger-Ex5Z4LE writes: That he is going to Saudi Arabia (HZ) in about 6 or 7
weeks time and hopes to be active on 160 there - thinks can get license . VFB!! "CHEERS" Roger!!!
----- VK/swl-GEORGE ALLEN: Is very active as usual and - "DHEERS AGAIN" - hope to have his
license sometime early 1970!!! Always nice to have an SWL JOIN THE RANKS!!! Has hrd lots of Ws this
fall equinox K8BBI, W9BKA/8, K3MEF, W5RTQ Sez VK6NK wkd W9BKA/8 449 both, W2EQS, W8ANO, W1BB, W8GDQ,
K2GNC and others. George has a WONDERFUL SUGGESTION -- that will save time and make more QSOs in
the BRIEF VK openings. He has heard only one QSO in some openings the boys drag it out so much. He
suggests that old hands make a QSO with only ONE 'Over' each way, by sending signal report with the
FIRST call. If this is heard, then the QSO is half over!! Also irrevelent details like Wx, "Handle"
etc should be omitted. It is 'silly' to hear stations wasting time trying to get the "HANDLE" across
as they will learn better and make more QSOs in short time available. Sounds GOOD!!! -----
PA/swl -D. WILLIJSNS VERY ACTIVE: Hrd VP9GJ, VP9GJ, Many Gs, W2EQS, W1BB/1, VE1ZZ, K1PEW, and others -
Nice to have these SWL reports and hopes that they will be HAMS someday too!!! Trx DICK/Nice!!! -----
Wa4RGH/Pat doing FB!!! Writes "Looks like another FB year brewing for DX on 160 - wkd 3 New
Entries VP9, DL9, EI9. John/VP9GJ Comes in here like "state-side" stuff. My Inv Vee back up to 60'
level - was so excited wkg DL9KRA, EI9J I forgot about Gs and went to bed - guess you would say I
was satisfied"- GREAT!!! Sounds like Ernie K1PEW has really put up "THE" Antenna!!!" Yep sure does
----- TRANSCONTINENTAL DX TESTS W2BP/A1 and W2IU, K2GAL are trying to organize some tests with
West Coast boys this season - not much response/results yet but something may come up!!! Check A1.
----- NEW ZEALAND ~~XXXXXXXXXX~~ ZL/ZM.1 AVG/Tony :: Has a FB shack on his farm with two long wires 1
1200' Long ~~XXXX~~ and "Hear This" 130 Feet high!!! Another 500' and 80' High and is anxious to give
160 a WHIRL - using 1886 Crystal. Thinks ONE DX QSO on 160 - would be worth 100 on 20!!! Luck!!
----- VERY ACTIVE G. FRANK G3CFV: has been taping Ws and sending short tapes - VFB!! You can
expect to hear Frank on regularly -very keep and successful DXer!! Trx Frank. He wants QSOs from
KP4LC & KP4CK can anyone help?? ----- DL9KRA/Jan Rec'd lie. all OK agn and w1 b on 69/70!8
Sez DL/FCC vy particular & Selective abt 160 licenses. All'd only 10w to ant. He is sending Itals to
9X5SP a B.C. Engr. at DL/BC Stn Ki;gali Ruanda who may b on this season. EP2BQ possibly also.
Jan's 1st EVERS, KV4FZ, PY2BJH, TA2E and WAC/160 twice!!! Hopes activate GE3CZ during 69/70!!!!
----- HERCILIO/PY2BJH: Sez he w1 B active this season - VFB!!! ----- PY/swl/Rolf Rasp: Is in
G/land meeting many VFB 16-/JAMS - thence to Calif. W1 not b home PY much - too bad!! But sez those
"Eyeball" QSOs with many new hams at various places will be worth it!! Sure 'Nuff!! ----- VP9GJ/
JOHN: is going GREAT GUNS QSOing Gs, Hrd VK, PA/PN, DL9KRA & wky many Ws - sez " My areial really
isnt high - too much high angle radiation - have permission to put up new and btr ant. "Operating
from VP9 I am impressed by the helpfulness and Friendliness of most USA stations. Many times Ws
have QSP'd ,y call enabling me to QSO DX Stns" - Fine John - we'all sure happy to have yeh arnd!!
n has wok many more stns since above written too. ----- Wb9BUV/Chas: New Comer to 160 - uses
Viking Navigator 40w, 300' BC Tower WCSI - VFB!!! ----- VE3DU/Dave : Had 75A4 Trble last season,
thus a poor one/off air 6 wks - bt bk "Full Form" nw - luck Dave/b.c.n.u. ----- DL SITUATION:
Via W3FE/Tom & British "QMF". Apparently licensing for DJ/DL on 160 depends on DL Govt obtaining
permission/permits from neighboring countries. Understand Denmark is the problem. ----- DL/YA/Ham
160 license lasts until March 31 1970 - been sick - but hopes yo be en!! ----- DL/YA/Ham
WELCOME W3CNS/Jim: Who with Navigator, 30w, Collins 51J3 will give 160 a whirl this season!!

W3JW/Ernie "GOING TO TOWN" on 160!!! This summer Ernie been QRL putting up his 145' Vertical!!
Al Tower, plus 30', 2" Aluminum irrigation pipe - then 19' whip, at Home qth/Conn w/many radials
ends to hit VK/ZLs hard, and of course ALL 160 DX. Fm Sunderland Mass where his job is, he will
be wkg DX w/fabulous QTH and 1000' NE/SW LW and also 3000' E/W LW. We're sure going to hear fm
Ernie this season - sounds just GREAT!!! --- K3KPO/Doug::: "BB" was most happy and honored to have
Doug visit and tour W1BB/1's "Tower" set-up and home QTH as well as get-to-gether at the Boston ARRL
Conv/Hamfest w/W1DQF/Alice also. Tnx Doug - Come again!! --- CX2BH/HORACE::: Fully expects to be on
this season - especially during CQ/ARRL TESTS - a real Choice one - LUCK!! ----- Wa7KOZ/Kevin:::
is coming on 160 this season-VFB/Luck!! --- Wa1RGH/PAT::: Has a real nice season QSOing ZB2,FS7,6T
KPA,PJ,KV. The last 4 on SSB. "Real thrill working Roger ZB2AY!!" VFB and Best 69/70!! -----
TOM/W3FE MUST HAVE "SECRET WEAPON"::: Dale W4DQS sez his signal at HK/TU/Malpel/DKpedition "Rea
and Shoulders" over ANY other signals on the band. Congrats TOM- what's the "Secret" ?? --- K2GNC
BILL::: Hopes hv phased verts on JA/land for 69/70 Season. Likes "DX-WINDOW" Idea. Wkg w/5Z4ERR/KENYA
and hopes hv hm on 160 sn. Also sez ZD7AH/Keith gg KENYA Sn too - here's hoping!! --- Wa1SGF/Ed:::
likes "DX-WINDOW" Idea and wl help put it across. City finally washed off leaky insulators & nw all
set for Eu DX but esp to complete WAC/WAS. Needs Asia/Africa. Sez, next yr am not gg catch flu & con
sneak out in middle of CQ/CW/WW/DX/TEST!! Yea!!! Hope build 160 Ant Project w/3 1/4 Wve towers heli
cally wound w/ Hi-Gain phasing. Luck Ed we'll be listin!! ----- TOM/W3DPJ Moving!! To W6/land
this Sep. Expects W6/160 operation there. Sez "While visiting SF listened to 160 at W6ERS stn. The
low end is useless above 1810 due LORAN - fairly quiet below that. QRN is much lower than at W3/land
Has Calif ever wkd Eu??to your knowledge?? (No). Ex stns would hv to be below 1810Kc" We'll miss You
Tom - but luck with that new PATENT LAW FIRM job U hv Thr & tt Challenging QTH for 160 - that's the
spirit. benn - maybe U en help W2BP & the boys thr organize TransCONTINENTAL Tests!!! -----
FRIPES!!! de W3AJ5/Ed:::(1) The QRN on 1827 fm fones since this fy has been opened to us. (2) W3e
2000Kc band. The W6s,W7s seem satisfieid wk them bt no longer listen 1800Kc much. Suggests no stns on
on nr 2000Kc EAST of the Mississippi. (3) Complete absence of HAMS 1850-1890. -- We're all with you
Ed! Expects 2 B actate 69/70 w/new vert&Radials.Wkd GC3IEW this season. Has to travel lot-cuts DXing
--- W2HV/Ed:::Real O.T. fm days when call was plain 2HV, sez "Been 160 since 1964 and that is only
I wk nw!! ,Except 2 meters, mobile - wl be active this fall" --- W9CZT/Jerry::: Had tough luck
last season w/his house etc and couldnt get on - however fr 69/70 hopes hv top loaded vert and be ba
back in the fray agn. Is trying convert his Jr. op Wa9RJD to 160 also. VFB Jerry - cheers and tnx!!
--- W1BB enjoyed G3KFO Visit:::26May after Boston HAMFEST/ARRL Convention. Inspected "Tower",
Yacht Club QTH. Talked 160 a let-watched Memorial Day Parade and Landing of Apollo 10 - Best luck
Doug - nice 2 c U --- G3RBP/Ex 5Z4LE::: In G land nw w/RCA for a while- sez "I'll definitely be off
to DX agn, Possibly 5X5, 5H3, in yr or so w/new 160 Gear. Meantime wl wk what 160 possible fm hr when
get ant up" - sounds like future holds promise!! for us DX Country Hounds885 Tnx Roger/Luck/benn!!
--- W3IE ie, if we can last a year or so!! --- de W2BP/May 13::: "Night after Night I was ONLY Stn
this side Atlantic tt cld ZB2AY/Roger. We had QSOs April 1,2,3,4,5,7,18,22,24,25,26. A number of
times I was S7 and once we QSO'd sab Apr7. He has left ZB2 fr good but expects to show up fm TA/land
This is FB since Roger is "Gung-Ho" on 160!! Here's hopinh!! --- VK8APN/PETER/DX EDITOR W.I.A./100
FT VERTICAL :: Hopes b active 69/70 w/150w - Hope/Hope!!! --- SORRY!! APOLOGIZE!!! :: G3VUM did
NOT wk PJ/CC as rptd in Bul 2 68/69. --- MORE ON ERNIE KLPEW:::Sez, "Seemed to make abt 2 S units
duff on VK, when I added 70 more radials to the 30 already in" -- "Installed another BEVERAGE to the
WEST 1100' Long" -- "We need something like the "DX-WINDOW" on the VKs now!! --"There is a VK8 on
OAKLAND ISL (Per W8MIT), VK8KR hearing W/East Coast on 160 - might get interested 160 too!! --
--- W3DPJ did a masterful job stirring up activity to VK this fall" - Here's a good suggestion fm Ernie
--- Stateside stns when clg CQ DX should mention a fy they wl QSX tt is QRN free fr the DX - this is
the only way many of them wl be hrd thru the USA QRN!!

GRADUAL QSB FOR W1BB

DUE to the inevitable changes that come growing older - the "March of Time" - losing one's
activities such as visiting one's children, grandchildren, relatives, friends, the country,
trips, getting extra sleep, doing housekeeping, repair wk, Church/wk and the like - there is less
less free time for 160888 It becomes harder and harder to handle all correspondence and do BULL
Therefore, beginning now, W1BB intends to gradually scale down the "Paper work" while
keeping operating activity as near normal, as long as possible - maybe phasing out all except
operating by the end of 1970 .

I have certainly enjoyed this "FUN" all these years and naturally regret that any "Slow-Down"
such as this must come.

Best wishes to 'yall - and b.c.n.u. on "Good Ole 160" !!! de Stew/W1BB

Stew

February 18, 1970

PY/swl/Rolf:

THANKYOU for your letter February 1st - always nice to hear from you - and the interesting comments.

SEE Page 6 herein!! and Page 4.

REAL pleased with the nice report on MY signals - thanks a lot Rolf!!

Will be interested your further reports

Regards to PYIMGF and please give him the enclosed bulletin and ask him to look for me

HAPPY SWLing always

73/Stew/WLBB

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop - 02152 - Mass.

FEBRUARY 1, 1970

W1BB -- 160 METER DX BULLETIN -- W1BB

1969/1970 No.2

W1BB/Stew ----- WELL!! It hasn't been a bad season thus far - has it!! We've had some very excellent openings both Trans/ATLANTIC and Trans/PACIFIC - and a lot of DX has been worked - so maybe our optimism in October WAS justified!! INTEREST, and that's a good guide, is running high. Antenna, and ground work flourishing - especially BEVERAGE antennas, started in 1969 by Ernie, K1PBW, tested out by W1BB/1 in Maine (BULL No.1), has now spread to G/land by John/VP9GJ/G3PQA who "indoctrinated" Dick/G3OQT who claims "FANTASTIC results"!! Quite a few more countries are being heard from -- PJ2VD, YNAA due about April 15th, HS5ABD/Thailand, KL7IR, HB/CN/Lichtenstein Feb 14 and 15, VK6swl/Allen turned in "Super" hears, Gs, JAs, all Ws, DL, EI, 9X5, *JA3AA is planning Trans/EQUATORIAL Tests - wants Trans/CONTINENTAL Tests for 1970/71 - The JDLYAB OGASAWARA Isl DXpedition a tremendous success, wkd 43 JAs on 160, plus W7DL/7, W6IRH. JA3AA building EXPO 70 160 station w/ 1 KW to Vert Ant!!! 5ZALE/HZ Saudi Arabia, TA2E/Haci, 9X5SP, ZD9BM and others!! Globe trotting PY/swl/Rasp sent in FB list VFB hrs in PY. ----- The CQ WW 160 TEST promises to beat all records. Apparently DL9KRA/Jan and Ernie/K1PBW high men on the "Totem Pole" DX and W/VE respectively - but many other high scores/much activity/interest/FUN!! ----- The "DX-WINDOW" idea seems to be doing fairly well, although there have been a few "Stinkers" sitting there INTENTIONALLY and WILLFULLY, who should know better. The Mid-West Chicago area boys, W9UCW, YYG, Wa9EYY, K9PAW, YWO and otrs doing superb job promoting 160 and keeping window clear!! -- YEP, 160 is still alive, kicking well and 'Healthy' ----- NOTE that while W1BB, (BULL 1) sed this BULL would QSB - "Slow-Down", nothing was said about QRT, which we hope to avoid if at all possible by keeping some degree of BULLETIN or NEWS FLASHES going - although, as we said the work is tremendously voluminous now days, 3, 4, 5, or -sometimes more - long, nice, wonderful letters from the gang, a DAY!! ALL appreciated and read avidly - but they come faster than you can handle them, and the "Paper-Work" is like trying to shovel oneself out of a sand pit - SO, Keep 'em coming, BUT make 'em short and to the point and we'll do the best we can!! "BB" Does apologize that it is impossible now or in the future to Ans. every one in detail, and that this BULL is late -Sorry!! And it is possible we may omit the spring issue due about May 15 although we hope not!! ----- All the talk nowadays is about POLLUTION, of Air, er, land etc. We HAMS have it too - the POLLUTION of the "Air-ways", "Ether" or Ionosphere, or 'what have you' with MAN-MADE Electrical Noises - more and more of us have terrific "High-Line" noises etc etc and have to curtail 160 DXing because they cant hear 'em. WHAT??? Can be done about this?? Any Ideas?? SOOOOOOOOOOO... fellers, You'll find "All the Latest" we have here re 160, in the following pages. REMEMBER!!!!!! "A.B.C." "ALWAYS BE CAREFUL - we had one Tragedy, K8DHT/Tom got across his HV power supply - and that was "IT" - 160 loses a wonderful fellow!! Suggest sympathy cards to xyl! Keep up the HAPPY DXing on 160!! 73 de Stew/W1BB and b.c.n.p. on 160 8U

FIRST Test NOV/30th ----- This coincided with the CQ/WV/CW Test. W1BB unable to operate because of a giving trip/visit/Son/Skip/Austin/Texas, nevertheless took "trusty" R4A Rx, & w/25'W1/133'W1 "SNOOPED". Judging fm what hrd in W5/Land, FRI nite poor/Dx. Hrd PJ6CW (W2WQS), HR2HH/Hal, KV4FZ, VP9GJ. All W areas VFB. SAT nite Cdx btr altho nt really open. Hrd PJ6CW, VP9GJ, KV4FZ, HR2HH. QSOs hrd, know these on bt didnt hr them G3OLI, LXI, XVY, RPB-HB9NL-GW3XJC, KH6IJ (QSO'd K7RAJ), G3KAQ/a, G3TAD/a. Apparently DX has to push vy hrd to get into TEXAS!! Bt it was quiet there, and "The Stars At Night" ARE big and bright "Deep in the heart of Texas". ---VK/swl/Allen Hrd "WDL/7" barely audible wkg Ws, KPH(SF) weakly 1512z - JA2CLI 1159/1314z "Trying to extract life fm a Non-responsive" band" - W8ANO hrd NOV30.1137z. We owe Gee a debt gratitude his marvelous reception, patience, perseverance/reports/160 - Continue Gee!!! ---SPECIAL CONGRATULATIONS to FLJGD/Blake and crew: "Top" of "Next to TOP" all band high scorer wkd 10 160 entriss, 7 zones. Walt's helped lot. W1KV4, PJ6, HR2, GW, EI9, VE, KP4, G Most excellent w/poor Condx. W1BB recently visited Flake's "W" QTH w/ SUPERB ant farm hd vfb Coop. fm his lovely xyl/Children John/Lee/Holly - Nice Blake. --- W2EQS/Chas sez QRN due lightening storms in PJ6 terriffic. Ant fm brink 200' cliff to buoy anchored offshore!!!

SECOND Test DEC/14th ----- This was washed out by VERY POOR Condx - strangely so, since DHJ was "in" all the time 55/79. HR2HH QSO'd many Ws the, and G3IGW a few, that's all - nothing to brag about.

MON/TEST Date DEC 21st ----- "WOW!!!" Condx cudnt hv bn btr - many many Gs wkd by Ws K1PFW, 2GNC, IPE & otrs ALL did unusually well --DX sigs almost like locals in some instances!! ----- THIRD TEST DEC 28th Condx absolutely "STINKO" - "Nil"!! ----- FOURTH TEST JAN 11th Condx fair bt w/ lots QRN - but quite few QSOs/Gs wkd 13 by W1BB/1 & HR2HH, HB9CM, GM3YAA. HB9CM Hrd WaLSGF 549. WFGDQ wkd 3 Gs, HR2HH.

FIFTH TEST FEB 1st Condx only fair. Nevertheless G3HDQ, RFS, OQT, RKJ, LIQ, PU, PHO, OIT-2PL-FDV-OK2HZ made it across!! The "DX-WINDOW" was kept fairly well open!!

!!!! FLASHES !!!!

TRANS-PACIFIC DX TESTS OPENED WELL Tom/W6KWE (Ex W3DPJ) QSO'd JA2CLI/579/Nov21 Rec'd 559 --JA1RQA/559/Nov22&23, Rec'd 339/559. NOV29Test, JA2CLI/569 Both 1441-59z. Sez sigs in 20 min B4 sunrise - out 5 min after - nice work!! Tom also wkd EAST to VP9GJ/John/G3PQQ/559 Both, uses 250' LW, SW side hill. Tom sez on CQ WW @80Test WOW!!! Sigs unbelievably good- QSO'd JA1RQA, YAC, EIN-JA2CLI-JA3AA, UI-7AO and HS5ABD for FIRST EVER W/HS on 160!! A; so wkd KH6IJ, FF, RS, GLU-KV4FX-KL7IR-XE2OK/NICE TOM OM!!!

FIRST EVER G/VK6 QSO by Mike G3IGW DEC13&23-Bnd opa 1ghrs Dec13 VK6/swl/Allen recorded Mike peaking 589 then. VK6KO/John hrd G3IGW DEC15 - CONGRATS!!

RAWANDA!!! FIRST EVER DL/9x5 QSO DEC 23 '69:: DL9KRA/579-9X5SP/Peter/589, followed by another FIRST EVER!!! G3IGW/9x5SP, then G3OLI, LIQ. WONDERFUL!! Congrats to all. Peter was using Ant/Gnd and it is expected and hoped by all that he will be on regularly from now on!!

YN6 160 DXPELITION:: Planned by Wb9BUV/Chuck and W5QPX/Gil about April 15th. W1 also cover 89-10.

DL9KRA/Jan worked!!!:: W1NFL, DX RPT-9UCW, YIG Dec21 - band sure "reaching out" - Jan too!!!

ANOTHER "FIRST" !!!:: G3RFS worked 5Z4LE/HZ, (G3RBP) in Saudi Arabia - here's a wonderful "New One"!!!

ADEN/VS90G ON 160!!!:: QSO'd DL9KRA, G3SVK DEC 21 - Congrats all three of you "Lucky Fellows" !!

SECOND ANNUAL TRANS-PACIFIC 160 METER DX TESTS

FIRST!! See item No.1 under FLASHES, above. ----- JAPANESE 160 Meter BAND NEWS de JA3AA/Shima, This VFB issues/No9 (Mostly in Japanese) indicates JAs doing EXCELLENTLY keeping 160 active, covering both sunrise/sunset TESTS. Most actives, JA3AA, 2CLI, 1RQA--"HRD/WKD" - JA2CLI:: W6KWE, W7DL/7, W7RM, LNG, VK6NK, KH6IJ, Wa6IVM ---- JA1RQA:: W7DL/7, W6CHQ, XWE, K7YXS, 6VZA, W7RM ----- JELIA IR:: (JA1-6P1Z7s-w1) K6VZA, W6KWE, W7DL/7 ---- JA3AA:: K7YXS, W6KWE, W7DL/7. Otrs Active JA1AA, CYS-2PDK, 3HNV, JW, LDWR, 7DVE. wfb! This takes faithful PERSEVERANCE which these boys have!! Tnx Shima!! Shims/JA3AA has nice summary rpt for 68/69 season - a most excellent Job - if you wish copy - write him!!

GEORGE/VK6/swl/Allen:: Hrd JA2CLI, W7DL/7 KPH, (See "Way Down Under" Item) & deserves MUCH credit for sparking 160 in VK & Helping VK6NK activate!! Keep up the good work George OM.

CQ WW 160 TEST JA3AA reports:: "QRV mani DX/JAs. HS5ABD (HS3AL ex HY8IAL /Fred Laun) QSO'd JA1RQA, JA2CLI, JA3AA, JA3UI, JA7AO, VK6KO, 6NK, W6KWE, 7RM and 4S8GN/7. Using 200' vert w/Radials. Hrd DL9KRA. 4S8GN also QSO'd VK6NK but 4S8GN not hrd in Ja. TRANSEQUATORIAL 160 TESTS!!! JA3AA sez many VK still hrd JK in JA/Land:: VK6KO, 6NK, 3ACA, AX3APN, QI, TK and so NOW!! JA3AA is planning to set up some Transequatorial TESTS for 160. ---- JA2CLI QSO KL7IR 1/18 1247z 1802k. JA3AA QSO HS5ABD - Tnx Shima!!

"THE DX WINDOW"

W9NCW/Barry and K8IUA/Fred:: Have done some excellent work helping keep "DX-WINDOW" clear both thru their QSOs & talks w/these appearing there but also direct with FCC who promised "Cooperation" against "WILLFUL INTERFERENCE" - This with respect to some "Hard Nuts" - Nice work guys!!

TOM/W6KWE/Ex W3DPJ Sez: He ~~was~~ was hrd 85% skeds/FALL 'Equinox'-quite surprising - believes VK/ZL depends mostly on getting organized at both ends. Congrats/VFB!! He uses 250' end fed L" on SW side 875' hill!! ~~-----~~ VK/sw/Allen Sez: The band did not fold up /end ~~was~~ SEP. -- 6 dates in OC & 10 in NOV when Ws came thru on otherwise "DEAD" Band, K3MBF, 8BBI-W5RTQ-RANO, GDQ-WORKA/R latter was most persistent signal and W4BGO. -- "If gang had stayed 'with it' they would hv bn rewarded w/sum easy QSOs!! VK6NK is active/really gunning for DX. VPQJ confirms it was he I hrd SEP, 14. Things G ZLJAYG/ZMJAYG/TONY: Is QRV anyone who wants skeds w/50w, vfb ANY. Sez KPH averages 579 0645-0930z! Hrd W6FGY ssb 1995k 0750z, JAN 11 hrd W6KWE/449 1992 0712z, W1BB/559/1803/0730z - Wa9EYV/549/1804/0653z - W2IU/439/1803/0653. AX3ATT to be on band. Thx Tony!! ~~-----~~ CONGRATULATIONS G3IGW/Mike - and VK6NK/Geo for FIRST EVER!!!! G/VK6 QSO DEC 13 & 23 1.8Mc. Also QSO'd VK5KO/DEC 10 - Nice going!! FAITHFUL JOHN/VK5KO: Continues to be active on 160 - following DHJ & wkd number DX stns this yr. CONGRATULATIONS "Faithful George"/VKsw/Allen: who is "Sparking" the "Way Down Under" 160 effort. reports in detail (Wish space hr permitted full copy) TransPACIFIC and VK/G land DX. Also hrd W1HGT, W1BB, K1PBW, W8ANO, W4NFI, KPH, WNU -- also G3IGW, G2QD, EI9J, G3RFB, DL9KRA. (See TransPACIFICS!) TONY/ZMJAYG: Is QRV & ready skeds - w/ b on "Equinox" time MAR 14/15 Es 21/22, also FEB 14/15/ Has LW ants strung across valleys fm tops tall trees & w/ B using 1500' long BEVERAGE!!! 15' High which a B.C. Friend used to LOG 1000 US B.C. Stns - GREAT!! b.c.n.u./Tony!!

CQ WW 160 CW DX TEST !!!!!

Was a GRAND "DO", as always - but this yr especially as Condx were good!! Jan 24 a bit btr than 250 Some all time high scores expected - especially fm K1PBW, DL9KRA, G3IGW/a "A1H" and others. Of special interest were PJ2VD, W4BRB/VP7, HR2HH -ho did excellently. Otrs active rptg to FB were :: W1HGT/Ralph who wkd VK5KO. Sez "Nvr hrd so much activity - it wdnt be poss put any more sigs per Kc" ~~-----~~ W1DMD/John psd wk New State/New Cntry!! ~~-----~~ KL7IR/Marty scrounged real hrd - only wkd 11 points the - sort of "Dusgusted" but thinks sleep'll help that. Did wk J12CLI/459 not 339. Hoped to wk 50 States fm KL7 but sez "East coast contacts rare - both hv to be on the ball" A-1 for effort! W1ILC/CRAIG: vy hpy to hv QSO'd W1BB w/his RANGER & HRO50T & 620' 70' High Ant - nice Craig/LUCKY W1PB/KEITH SEZ: Nvr hrd so many W stns!! He did good!! ~~-----~~ G/sw/Norm Smith got an impressive list of HEARDS vfb!! ~~-----~~ KSTFG/Dick did fb "DX Condx superb Hr" !! Nv new ones PJ2VD, W4BRB/VP7, HR2HH. Sez TA2E on 160 agn now. Nice!! ~~-----~~ W8ANO/Waldo who has hd VFB season listened on SPACE and time doesnt permit a report on K1PBW's activities - ,but briefly - 315 Contacts, 64 Sectio 44 States all VE but 6 13 DX - KV4, HR2, CO2, VP7, PJ2, G, GD, EI, DL, HB, OK. 36 Cs, 17 OKs - 74, 112 Poin Much credit to Ernie for raising his 142' Vertical that was felled by Ice and during this through the, beastly cold weather - dont see how he did it!!

USA TRANSCONTINENTAL 160 DX !!!!!

W6KWE/Tom G. llagher (Ex W3DPJ) Anxious to work TRANSContinental DX and will arrange skeds with any one interested - time to be East Coast SUNRISE time. Wkd VP9GJ/John +co t 0520z NOV 18, & F2ANR/ Joe 0639 DEC12 for his 1st W2. ~~-----~~ VP9GJ/John has wkd W6KWE, W7BNZ, 6BERS A Nice Show!!! VFB TRANSCONTINENTAL DX SUGGESTION de K8DHT/Tom (Nw Silent Key):: "The 3rd & 6th/Minute of each hour should be devited to East/West - West/East DX. The EA'T of Mississippi boys call CQ 2Mc. The First 5 Min of Each 10 Minute period, ie 20-25, 50-55 after the hour. The WEST boys the 2nd half of these periods 25-30, 55-60 Etc. This system would allow maximum DX Testing & allow E/W Checks!!" (Clarification of the above - should read 3rd and 6th 10 Minute periods of the hour). WHOOPEE!!! HAINES ALASKA KL7IR/Marty is on 160!! (P.O. Box 6 99827) The good news came via VFBIA DEC 21 at 0200 with LL tel call saying KL7IR wu! B on 1802 w/50w using HQ180 Rx at 0400 and 1100!!! For 2 hrs each time lukiing fr W/VES - Great, "N11" at 0400/0600 but at 1100-1300 VFB. QSO'd Wa4SGW W8FGB, K1PBW, W1HGW, W8ANO, W2EQS altho sigs weak & QSB zero to 339 on East Coast. Marty is popular Guy to those needing ALASKA. W3DPJ wkd hm JAN 9 fr his 50th!! State - CONGRATS! W3FE also QSO'd/339-59 Jan7th . Marty uses 700' LW zeop up side of 1600' Hi Ridge back his house fm 80' High Cedar Pole. Hopes to hv more pwr & 200' Vert, maybe soon. CREDIT to Marty. He also hrd W9TYG JAN7 599 Put cwint QSO dye YYG's high noise. KL7IR also wkd KL7DJI in Fairbanks -, another 160 KL7!! W1RP's suggestion for those wanting to work TRANSCONTINENTAL USA Dx is two alternatives. Cover 2.0Mc from 0500-1200 GMT after the TRANSATLANTICS - calling CQ 2Mc or CQ WEST on 1800-1805 Kcs. Or, and maybe best - make schedules with stations there known to be active on 160 - that is if you need QSO Partly

GENERAL ITEMS OF INTEREST

ANTARCTICA - CONGRATULATIONS TO CX3BH/HORACE!!! for FIRST EVER!!! Authenticated Antarctica 160 meter QSO Oct 25/26 1969 when VP8JT was worked - VFB!! Horace also QSO'd VP1KF - Nice!!!

RECEIVING ANTENNA de VP9GJ/John-(G3PQA) ::: Sez-"I use a small inefficient Non-Resonant vertical, coax fed/sloping towards noise source and away fm the desired reception direction - forced to do this - but I find it gives at least 2 "S" units improvement on "Euf" sigs. The overall signal input is as low as to be near the 1 mw input of my Rx - but nevertheless the overall S/N ratio is greatly improved. I am not suggesting this as a "cure-All", what I have found, by any means, as obviously in some locations which have a combination of "Town" Noise and atmospherics NOTHING will work. Nevertheless it is worth a try and is capable, provided it is suitably sighted and adjusted of giving considerable receiving improvement to the average 1/2 Wve HAM set-up. VFB John & Tnx. NOTE!! Unfortunately, John, after doing a masterful job on 160 is leaving VP9 - HAS left - Sorry!! John has been active on 160 in G/land already and we hope he will be on some new RARE spot soon!! Hope!!

MOST UNUSUAL!! COMPUTER PRINTOUT de FY/swl-Rolf Rasp: W1BB has been very privileged to have a copy of a Computer Printout Summary of Rolf's Receiving/SWL Results, calls, times, RSTs, Dates, Comments of everything he has received there on 160 since 1962 - it is most unusual, interesting, and informative!! Rolf deserves congratulations on a MASTERFUL Job!! W1BB wld b gld to "Loan" this to anyone who will supply 1st class postage both ways - approx 50¢ USA

VP9GJ/John - G3PQA VISITS USA ::: Many Ws were delighted to have John "Tour/Visit" USA HAMS before returning to G/land for re-assignment to TA/land. -- First w/Ernie at his fabulous Vert Antenna QTH Then W1BB/1 Stew At his "TOWER" QTH (Where he worked several Gs) - Then with Barry W9UCW Chicago, and other HAMS there. Back to K1PBW thence W2IU/Sam and left for G/land the 31st DEC - would hv seen more, time permitting. ALL were most thrilled and happy to meet "Friendly John" who has put VP9 land on the 160 Map and made many many friends - all over the USA!!

SILENT KEY K8DHT/Tom Kloos ::: We were all shocked and saddened by the untimely death of Tom Kloos by electrocution on his rig. It was his birthday and per RCA company policy, he had the day off - was working on rig - apparently tried to open a stuck relay with a pencil and got across the HV. This is TRAGIC, and could happen to any of us - lets be sure to recheck ourselves on the "SAFETY RULES". If you havent them - send S.A.S.E. to W1BB for your copy. Sympathy cards to Tom's xyl are in order. She is left with two young children - a really sad case - we deeply miss an ardent 160er!!

CONGRATULATIONS Wa4SGF/Ed ::: On completion of your 160 WAS Jan/70. VFB Indeed. This is indeed a real accomplishment - especially from W4/land!! Now for WAC on 160 - best luck!!

HB9CM/PHILO - HB9CM LICHTENSTEIN ::: Philo is to be congratulated on his faithful coverage of 160 week after week, and many Ws have him to thank for their only HB QSO on 160. We hope that his DXPELITION from Lichtenstein FEB 21/22 Sat/Sun 0430-0730, using 1850-53 Kcs primarily, with alternate Fy 1827, being QX 1800-1815, but principally 1808-1815 Kc will work out well. This has been QST a lot of times and we hope all the gang get in on this!!

"WHEN GOOD 160 HAMS GET TOGETHER" ::: During my recent visit to W8GDQ, Willies QTH at Wellington Ohio (W1BB's visit that is) on my way to TEXAS, Willie and Myself, and also W8ANO/Waldo and K8KRN, RNE DHT were all so delighted to have "The 160 Boys From Chicago" area, W9UCW/Barry, W9YYG/"Moose", K9YWO/Denny. K9PAW/George and Wa9EYY/Gregg stop in for the afternoon and early evening. We were really "Impressed"!! They got up early - drove 700 Miles round trip in one day to visit us NOV 23rd working mobile 160 enroute. Local 160ers K8KRN/George, K8VNE/Bob and K8DHT/Tom also came over BARRY W9UCW put on a VFB antenna slide show and described his "Research" into "Most used antennas on 160" - which we hope he will publish some day. Many nice "Eyeball" QSOs. Much "Shutter-Bugging" 160/lore talk etc. Party broke up at 7.30AM when Chicago boys headed WEST, Mobilizing it on 1810 all the way. A real "INTREPID" days "DO" !!! W1BB enjoyed this warm and friendly "Get-to-gether" and appreciates the effort it cost these boys!! Thanks a MILLION, fellows!! Willie and his lovely xyl MARY were WONDERFUL host/hostess!! and we all enjoyed operating and discussing Willie's fine rig and versatile CW/SSB set-up - a REAL "Memorable" Day!!!

MORE ON THE "BEVERAGE" RECEIVING ANTENNA - "HOT STUFF" !! de G3OIT/Keith Letter 2/1/70 ::: Sez: I used a half wave INVERTED VEE until the time of the CQ WW 160 CW TEST, when Richard G3OQT, John/G3PQA and I pooled resources and operated a "Combined-Effort". It was then that I first heard for myself what a BEVERAGE can do and I was AMAZED!! I just would never believe that ANY aerial would make that much difference. We were enjoying copy at R5 of USA signals that on a normal half wave we could never hear above the European QRM. I only wish I were on good enough terms with the local farmers to put up a 1000' Westwards facing BEVERAGE. We also put up a BEVERAGE to the SOUTH based on information that there might be DX from that direction. Imagine me hacking a path through 200 yards of dense BLACK-THORN, with PQA behind me reeling out the wire. We had about 600-700' of wire dead straight pointing slightly east of South. We never used it. However the OQT Westward beverage worked VERY VERY WELL!! Tnx a Mc Keith/VFB!! (See W1BB 160 BULL No.1 pge 5 re BEVERAGE)

BALLOON ANTENNAS de G30IT/Keith:: Sez, For the CQ/WV/160/TEST we acquired some meteorological balloons and cylinder hydrogen. Despite the fact there seemed to be no wind, the balloons danced about - 2'x6" balloons - uncontrollably and had to be guyed with some light Nylon cord G3PQA bought. By this method we erected a 200' Vert, with guy some 450 yards upwind to keep it vertical. We just hooked the end of the Coax fm TX onto end of the vert wire - we wkd 20 USA stns in condx that were fard fm ideal.

ON USING TALL TOWERS ON 160 - de Wa/SGF ;; "As to the "BIG APE" Tower, I didnt use it after careful consideration and a little research - I decided it was TOO TALL!! and my suspicions were confirmed with a very nice, very technical 10 page letter fm W8GLX ART BULLER - it is a masterpiece of research and engineering worthy of publication dealing mainly with a 300' Tower I could probably get permission to use - 315' to be exact - in fact I tried this out - signal reports were GOOD but I had the NOISE problem 10-15DB Higher than normal so what I gained on TX I lost on Rx - I just couldnt hear them." Am sure Ed glad to help anyone with similar set-up!! Nice work Ed.

SAUDI ARABIA 5ZALE/HZ/Riger/G3RBP on 160!! Wonderful news to hear that Roger is on - watch for him between 0300-0400 GMT 1827 Kes especially weekends - here's a nice new Country for us!! Roger is an excellent 160 operator and if anyone can get out - he can!! Best of luck Gang!!

MISCELLANEOUS ITEMS

MARKER STATION WCG:: Is gone from 2036 Kes - apparently is shut down for good - TOO BAD!!!!

ZHV/Ed:: On 160 since 1964. Retired '69 - had call ZHV "Way way back!" Approves the "DX/WINDOW" idea - Happy times to you on 160 Ed!! ~~-----~~ W47KQI/Kevin has troubles!::: Sez I'm gg put up an enormous inverted Vee. My Neighbors & I arent on too good terms Radio/Wise. When they see this one gg up they'll probably accuse me of soaking up all the TV sigs on the block. Last week one of them told me MY radio waves were killing one of her trees - HMMMMMMMM!! ~~-----~~ CONGRATULATIONS WILLIE

COUNTRY No. 58 10/2/69::: QSO'd EI9J, 0530z/Paddy VFB!! (Also G3RKH, MYI) CAN ANYONE HELP WILLIE?? Willie NEEDS help - finds he also worked TI2BX Feb 13 1955 and never asked for QSL card - 'his would be his No. 59 - but TI2BX in book under different name now - does anyone know where TED

WESTLAK Ex TI2BX is now??%/%% Let Willie know!! ~~-----~~ K0DCP/TONY and W0BE:: Test out 160 w/Ranger & unt fed 100' Tower - hrd E Coast but no DX Nov 1st - band went out 0730z. Luck!! Has ideas for beverage or Sturber Curtain over ice on lake by Freezing supports into the ice - original idea!!!

G/swl Norman Smith:: Faithful as usual sending in very nice Hrd Rpts of W/VE Stns. SWling 160 really means getting up early mornings over there too!! 4 or 5 or 6 AM these frosty mornings - BRRRRRRrrrrrrrrrr - rugged people - eh?!!! Has Hrd W1BB/1, K1PBW, KV4PZ, W2GGL, W8ANO, GDQ & Many Otrs.

ERNIE/K1PBW SURE DOES FB:: With that FB Vert. Wkd 20 stns Nov 4th. Sez K2IXJ & W9BUV expected on w/bi; sigs - both to hv verts!! ~~-----~~ WILLY KRAUS/OE1KU:: Very active and faithful boosting 160 the "Club". Wkd 11 Eu Cntries this summer ~~ROBERTSON~~ OEs cooperating 1WN, PKN, 2EEL, 4KPB, 5XKL, 8UQ - vfb!

WIHGT/RALPH:: After a "sabatinal" of 2 yrs nw bk on knocking 'em off in fine style. VFB Season!! W6YY/JOHN IS BACK ON 160!! w/W6JU/Mort, expects to work what DX there is - have Inverted Vee apex at 375' above ground - WONDERFUL - last yr bad condx curtailed 160 - Best of luck!!

K2GNC/BILL:: His phased verticals working out quite well - surrounded by trees- notices performance difference between leaves on/off trees. (Does anyone hv info. supposed effect of trees??, leaves?? etc on aant performance??) He just returned fm ministerial trip VK/land - wanted contact VK/swl/Alle but ran outa time!! BILL apparently made 1st Transatlantic crossing this season - QSOing G3VMW Sep. 7th 0415z CONGRATS!! Believes "DX-WINDOW" a good idea and cooperating 100%!! Thinks it's working.

We need more support on this too O.M.s) Trx. ~~-----~~ W6GEN/DALE NOW W7CFJ TUSCON ARIZ!!! :: With new 160 Ant & all ready to go!! Studying for Phd!. LUCK and b.c.n.u.!! ~~-----~~ W2HVD/ED:: Moving rig down fm cold attic to warmer QTH - fb! ~~-----~~ HE9OM/PHILO:: Has two VFB Antennas/QTHs at

LELANDERON, Inv Vee to top Secoya Tree w/pole extension 100' High - PLANCHETTES, top of tree fir W8R 70' Hor Full Wve, Schedule of operations MON 0245-0315z THU 0445/0515, SAT 0545/0700, SUN 0545/0700 Tx on 1850 or 1853k QSK 1800-1815 VFB & Luck Philo. ~~-----~~ OK1ATP/"YARDY":: Vy faithful

160 OK Stn wkd ZC4AK-K1PBW W2IU-K3MBF-K1SGD during NOV/DEC, and a lot more since inc HR2HH!! Nice. G3CFV/FRANK TAPES!!!:: Many Ws are most appreciative of the fine TAPE RECORDINGS of TRANSatlantic signals that Frank has sent - they're just grand!! He expects to be off 160 for while though - dur

some sorry - Frank/Keep in touch!! ~~-----~~ G3XTJ/Edwin MAKES IT!! :: From swl/1956 to HAM, QSO'd VO W3AD/'68 Now makes his 1st Crossing to QSO W1BB/1 JAN 11 '70 w/10w & "Marconi" 130' long. Many many Congrats Edwin!! ~~-----~~ TOM/W3FE:: Hasnt bn on much this yr - vy QRL - bt QSO'd PJ/CW, VP9CJ, Y

YV5ANT -Nice!! Expects retire to vfb "ANTENNA FARM" in Fla few yrs - Congrats Tom. ~~-----~~ G/swl/BOB IBALL:: Continues his MARVELOUS reports - active year after year. ~~-----~~ W6ERS/VERN::

"Book lover and Mountain Wanderer" is doing FB on 160 - nw 40 States & gg strong!! ~~-----~~ PY2BKO/GUSTAVO (Py2BJH's Brother)::: Has R4A-T4X set-up w/46' Tower - top/loaded & W1 B on 160 Sn.

W9IN (EXW3EIS)DON:: Doing vfb Job on 160 - 5 countries THIS season thus far!!

G/swl/Norman Smith::: Continues to do an excellent Job SWling 12/28/69 Hrd W1BB,HGT,K1KSH,PBW, W8ANO,AH,GDQ,HM-W9UCW BKA/S-KV4FZ - nice Norm!! CONGRATS G3VXM::: Made 2nd Crossing 12.21.69. UNDERSTAND Ex W3DPJ (Now W6KWE) also made WAS by working KL7IR on Labor Day 1969. The work/Tom. EQUINOX is MARCH 17th this year - watch for VK/ZL DX during these times!!!

LATEST FINAL CLOSING ITEMS OF INTEREST

GM3IAA/JIM EXPERIMENTING::: With "VS1AA" Antennas. ONE, a half wave 255' with vy long feeders running roughly N/S - The other, also VS1AA 555' Long in form of Square. Hv found invariable over many years it is real hard work crossing Atlantic fm this site which is vy good for other bands. the 250' Half Wve is on two masts each 50' high and genuine power 11.2w - at INVERNESS SCOTLAND. It seems W Stations come thru vy much earlier in the South. Earth system extensive having over 1000' of radials buried few inches down. The 555' VS1AA gives excellent results to SOUTH.

PY/swl/ROLF RASP - BACK IN PY/LAND::: Hrd Feb 1st TEST W1BB/1,AW,HGT-WA4SGF,W8ANO,GDQ-W2GGL-Wa9EYI,G3OQT,RFB,OIT "All in all - a very rewarding morning. DHJ Peaked 459 at 0610 ---,and!!! "What have you dont to your system Stew??? I've NEVER heard you so loud in the whole last 8 years I've listened to your signals on TOP BAND. You were 599 this morning 0557-0700gmt!!!" Had F.Parch w/ KV4FZ/Herb - he is coming to Rio sn. PY1MGF w1 B on sn. Incidentally, this morning no PY or otr S.A. Activity hrd - they missed a fantastic opening - I have it all on TAPE and will keep it so you can hear it when you come to PY/land" Rolf says "MY stay in G/land was a marvelous success - Very thankful to Keith/G3RPM for "Taking so good care of me" - I had chance to see G3PU,G3OUV, VP9GJ Just bk fm VP9, G3NQF,UGK,KTJ,YVM,ERN,OQT,TZZ,IGW,SVK,RFS,SED,MYI,XAQ,XGC,XDV,RBP,XXF,VMK, G2PL,GM3KLA,G6BQ,OD5LX,VS6D0 (Sez w1 B on 160!!!), ZE3JO,G6ZY and VQ9JW QUITE a list!! I think the Gs are a VERY FINE BUNCH and I really enjoyed being with them. Rolf also Sez - "During my upcoming trip to USA I'll also try to meet as many of the 160 boys as possible Wa4SGF,W5RTQ etc etc" --- 160 is nw legal in PY 1800-1850Kcs and a KW!!! All 24 hours. More activity expected already on are PY2BJH,BKO,CSS and soon PY1MGF with 450w and next season PY1MAG w/1KW!! Tnx info Rolf!!

HS5ABD/Fred Lamm (Ex HI8XAL)::: Per W6WE/TOM::: Sez "I hv learned he operated BC Stn ant during CQ Test - a "one/shot" deal and wkd 2 stns in USA W7RM and myself. He hrd Wa6JPQ. Fred hrd W signals for about 20 minutes only, I hrd him though over an hour, peaked S7 to S8 He was on 1907. CONGRATULATIONS FIRST EVERS!!!! To TOM/W6WE, and W7RM and HS5ABD on the above accomplishments!!!!

W3IN/DON MCCLENNON HAS TROUBLES --- W3IN/DON MCCLENNON's DAD took sick during the CQ/Test and had to go to hos ital thus making Don miss much time - we are sorry for Don and Dad too. He nevertheless worked PJ2VD,GW2UPK,KV4FZ,GM3IGW,ETJ,DL9KRA,HR2HH,W4BRB/VP7,G2PL,G3OQT 44 states, 7 Province 285 QSOs Mult 60, 39,000 Points - sure nice work on a SHORT TIME deal!!

PETER PENNELL G2PL Has done well this season with his 42' Vertical TOP LOADED antenna QSOing K1PBW,K2ANR,W1HGT,Wa9EYY,W9YWO,W9UCW,W21J,W2EQS,Wa1CAG,VOLHN,W1BB/1,W1TX,K2IXJ,W3GM,KV4FZ, W8AH Wa8LRU,W8GDQ,K2BZT,HR2HH (Sez HR2HH also QSO G3OLI,OQT,G4CP Dec 7) This is real nice going PETER!!

GM3IGW/A TEST DXPEDITION CQ/NW/160 A WONDERFUL OPERATION/SUCCESS!!!! Congratulations to Mike Whitaker, G3IGW and his able Co-operator and ANTENNA Man Jim/G4MH on a superb Job!! Sez: Mult 30, 284 QSOs, 18 Countires 46,530 Points!! 38 TRANSatlantic QSOs. Got W3JKS/5 Texas who doubted out authenticity!! Hrd dozens of W/VEs wo couldnt raise - WERE THEY LISTENING FOR DX?? (Probably NOT Mike) We have noticed this before from GM. Our QTH is FANTASTIC. We hrd W1BB/1 QRQ working locals most of whom were well audible in GM. Main antenna 300' Vert. WHAT A BAND. WHAT THRILLS!! and what EXASPERATIONS too!!" --- we/all sure admire the FB G3IGW/a operation - nice work Mike/Jim!!

"DX WINDOW"::: While, as we say, this is working fairly well - there really arent enough of the 160 boys "Pushing" this idea with the letters and friendly persuasive cooperative talks with the stations heard there. W1BB has a letter and chart available to send to these fellows - and while this was publicized there has been practically no call for them to be used by the 160 boys. W1BB has been sending a lot out - and engaging in letter writing with some of the boys and has had good response - but it doesnt seem as though W1BB should do 99% of the work that way. Although as said earlier in this bulletin - the CHICAGO Boys have been doing a GREAT job. SOOOOOOOO how about rather sending out some letters and charts to the "Offenders", or sending W1BB a list of the Calls TIME/FY/QSO.with/Mode, etc (MUST b accurate) and I'll do it!! But lets work together!!!

LAST TRANSATLANTIC DX TEST No.6 Feb 15th::: Unfortunately Condx vy poor, although G3RFB,OIT,RCE, RKJ did "cross" and HR2HH/Hal was active - most stns shut down early because of poor Condx. WELLS!! We've had some VERY good ones, and some very POOR Ones - bout averaged out to a "GOOD" season????

SOOOOOOOOOO fellers - guess that is it for this BULLETIN 73 de Stew/W1BB

W1B1H

JULY 15, 1970

W1BB -- 160 METER DX BULLETIN -- W1BB

1969/1970 #3

de Stew/W1BB ----- Well folks, Here 'tix - BULL NO.3 - although somewhat late, for which I apologize most sincerely. The "Doc" and hospital had me in their clutches one way or another for 2 1/2 months - but all clear now! SOOOooo... here goes -- The 69/70 DX Season has drawn to a close. We look back on one that wasn't too bad either, everything considered. VP9GJ, (G3PQA) John sure put Bermuda in the lime light, making many QSOs and new Country for many. Then John topped it all off by visiting in person, many of the 160 boys viz W1BB, W2EQS, K1PBW, W8GDQ, ANO, the Chicago boys. ---- An amazing FIRST was scored when K5TFG/Dick, Lafayette Louisiana QSO'd EI9J, HB9CM, and G2PL March 21st - something NEVER before heard of. CONGRATULATIONS, (In capital letters) to Dick!! --- Many stations made their first ever crossings this season ---- The all-band CURACAO PJ0CW by W1B1H DXpedition although facing poor conditions on 160, did a very marvelous Job with Chas/W2EQS at the 160 key 11 hours all night to chalk up 11 QSOs thru the severe static - that's devotion!! ---- Then Gene/W4BRB got itchy to have DXpedition of his own and organized one with Wa4SVO to VP7 the dockmaster's office in the Bahamas made 187 contacts in 8 different countries including GM, G, EI, PJ, KV4, HR2, VE, W, VP2. ---- The "DX-WINDOW" Idea we think is really catching on ---- The HB0CM LICHTENSTEIN DXpedition by Philo, HB9CM and HB4ALF/walt, was a big success. ---- MARTY/KL7IR put Alaska on the 160 DX Map working W0NFL/Jim and others. ---- "Way down under" faithful Ex G/swl, now VK6SWL George Allen has been and is "Researching the Hell" out of 160 as to 'opening' conditions, Markers, Times, etc and has done a marvelous Job keeping the band alive. He expects to become a HAM himself one of these days. He'll be a big boost to 160 from this area. ---- ZM1AYG ran some special Equinox Tests. ---- The CQ/WW/160/CW, DX TEST was the best ever - see CQ for results ---- Activity on 160 has increased to the point where ARRL thanks to urging by Bob Chapman W1QV, Director, and others, is considering running a separate contest of some kind on 160!! IMPORTANT, Please send ARRL Contest editor a note telling them the kind of a contest you would like. Ideas will be scanned and integrated carefully before settling on the TEST. ---- Antenna tests have continued, the BEVERAGE Receiving antenna gaining boosters all the time. These and many other items still prove 160 a most unusual, intriguing and challenging band to operate. For a band at the low point of it's poorest sunspot time, 160 has done itself proud - with conditions improving now - after a good summers rest, we expect to embark on a real GRAND 1970-1971 Season on 160. ----- Sooooo, get everything ready to start next season with a "BANG" during the fall equinox about September 28th when conditions should peak. HAPPY HAMMING always, especially if it is on 160. 73 b.e.n.u. this fall

Stew/W1BB
Stew

160 METER "FLASH" NEWS ITEM

FIRST EVER LOUISIANA 160 METER DX TO EUROPE By K5TFG/Dick, when during a fabulous opening March 21st, QSO'd HB9CM/0530z, EI9J/0549Z and G2PL/0656z - is dick THRILLED!!!! and are we all too. This something never before done took patience, perseverance which again paid off. CONGRATULATIONS, with big capital letters too!! Nice work Dick!!

SPECIAL ITEMS

WLAW on 1805ke QSTs:: Caused lots of QRM during the CQ #W/160/DX/TEST, and does at other times too covering weak DX in this area. Feeling is that those Q^cTs are not paid much attention to by the 160 HAMS and might be eliminated, or move to another frequency - or cut out the QSTs during tests. This was particularly noted by W4RCH, W2RQS, W1BB and others and suggestions are being made to ARRL to see if frequency may be cleared, especially during special tests/

K1VIR/MARTY/ALASKA:: Worked by W4NFL/Jim 3/22/70 1000z peaking 579. Marty has been on regularly but with v. poor luck. Hears Jim frequently S5 or better. Next 70/71 season MARTY planning a new dipole 100 ft high on 160. CHEERS Marty, keep up the good work - many need ALASKA!!!

THE IOWA 160 METER PICNIC at Webster city Fair Grounds Iowa June 21st with prizes and 160 meter treasure Hunt, plus lots of 160 HAMS was a big success.

SUNRISE/SUNSET PEAKING CONDITIONS -- INTERESTING!!! We all know how wonderful is the peaking of 160 DX condx at sunrise and sunset and we have several explanations of this, including W1BB's. Here is a comment which appeared in 73 magazine July 1969, it being copied from the Veteran Wireless Age's newsletter March/April 1970.

One discovery attributed to AAVSO is the ring of ionization circling the earth at the twilight/Sunset junction. The University of Natal, South Africa, reported that there was no satisfactory explanation of the phenomenon, but Dave's theory is that it is caused by solar energy passing through the upper layers of the atmosphere and illuminating the D region from beneath.

LICHTENSTEIN 160 EXPEDITION by HB9CM & HB9ALF:: Was a good success under poor condx!! Philo "People of HB9 very kind and cooperative" - "This is a DXpedition I want to renew again, and not during the 1971 DX Test?? (Although I am trying to see if I can get permission to operate from "F" land!!) HB9CM operated 160 with special 811PP homebrewrig weighing only 2 Lbs, Pwr supply 1 Lb. Rx a PEARSON K293. Ant 80' high near center, ends 30' and 40' - 270' Total Length. QTH an ideal quiet dream spot a chalet on mountainside. HB9ALF/Walt covered ssb mostly on 3.7 7,14,21 Mcs SSE w/ SWAN 500" -- Nice work Philo. We're all ears to hear about possible "F" operation - that WOULD be sumpin!! Generally, Philo sez "Last season had some GOOD, some VERY good, as well as poor propagation periods. -TOP BAND for me has priority over all other bands. Pleased to have QSO'd 17 w/vs repeat QSOs, 15 New W/Vs Not Bad!! -- Now need OCEANIA for WAC. Incidentally from Lichtenstein in mountainous area did not notice the usual sunrise peaking." Congratulations Philo on a VFB Operation - Hope you make it from F next year!!

"WAY DOWN UNDER" Researcher VK6/a/w/ George Allen:: Has bn studying propagation conditions btwn USA and VK6 land and finds that two 1900 KC LORAN chains both in the gulf of Mexico, (The only 1900 KC Loran in the world) are reliable marker stations for USA HAMS on 160. Sez the situation with other LORANs is too confused to be of use - too many of them. 30 pairs of them on 1950, 26 pairs on 1850. Feels one could organize a setup based on the 1900 Loran sigs to give reliable QSO indications. MUCH credit to George for his scientific work on L.S Mc. He is now running summer tests at their sunset time between VK6GDK, EI9J and those Ws interested. During MARCH he heard K2ANR-W8GDQ, ANO, W4PU-K2GNC - W4NFL, W4ZVY. Keep up the good work George and luck to you on your HAM ticket exam coming up. Here's going to be a real DXer on 160 for us all!!

SURPRISING QRP/160 de W0RHI/al Keller:: Built a transistor rig using 3 lantern batteries gv each 18v total w/ 10 Mills collector current on 160 either 1802 or 1996. Sez "Suprising what can be done with such low QRP!! Wkd W/DX, II BE, RPT-K4WPK-W4RDS, ATT-K4WPK-W9DL, PIW, BKA/S-W2RQS-W1HOT. some a number of times 180 Milliwatts gang!! If you should hear a sig way down in the mud, give me a hard listen!!" AMAZING AL - sez also "My Zepp is too noisy on reception - so hv put up 5' doublet W/6" feeders. Intend to tap 52 Ohm Gable on feeders at different points and use the trap system of tuning! Quite an experimenter in our midst - sez if you are interested in QRP, write K8GEE/S for QRP Mag covering 5 watts and under. GREAT STUFF AL - b.w.n.u. QRP -Nice!!

SHIP/SHORE STATION HEARD FROM!!! Re Op Graham MERCER rptd W1BB/1 sigs 539. 4/12/70 0822/25z FORTPATRICK is one of 11 British coastal sites. Sez "Realize we hv no headache for "Top Band" DXers. However there is a necessary evil and keeps me in a job!!" (Headache? YES at times) Oper by Harold Mercury Rg, Aerial a series of verticals 130' high -- 50 MUCH THANKS!!

W4BRB/Gene::

W4BRB/Gene:: sure has a nice "Head of steam" up on 160! His account of experience w/ PJ/CW, Curacao affair - and then his own /VP7 DXpedition during CQ WW ~~W4BRB~~ DX Test this season, makes "Super" reading. Sorry room not available to print all. But firstly to obtain VP7 permission meant sticking close to the application via phone etc to obtain in time -- after getting location, had only 40 hours to get ready. Anyway we all know the super/Jeb. Anyway we all know the super job Gene did with center/fed 12TW wire, 40' High middle, 25' at ends from DOCHMA TER's office, at JACK TAR HOTEL's MARINA w/25 watts made 187 Contacts & 8 Countries. "This was more fun than a barrell of monkeys, but with normal time to get ready could have done better." Next yr for test test, vows he'll be back hr or some other DX QTH. Will probably use SWAN 410-C w/External VFO into pr of 6146s etc. For ant want a vertical at end of dock over the salt water!! (W1BB has tried this at Winthrop Yacht Club - it wks vfb!) Did not operate above 1825 Kc - that's a mistake/ Next yr will operate all fys. ---- Gene sure is a whirlwind of a 160 meter booster. In addition to 160 he came out Nr8 on 5B/DXCC!!! plus many other activities. Was with Chas W2EQS on PJ/CW DXpedition. sez Chas deserves medal for his faithful "Stick-to-it-ness" last Oct, operating 160 all night to chalk up only 11 QSOs - that's devotion - thru intense QRN. Wonderful stunt Gene - CONGRATULATIONS

CQ.WW.160.DX CONTEST

BOB, G/sw1 IBALL:: Never had such a good session since 1951. Logged 35 w/ve stns. Excellent Bob!

PJ2VD/Joeko/Curacao/Netherlands Antillies:: Did VFB w/ Viking II Ranger Tx, 75A4 Rx QSO'd 25 states KV4, HR, VP7 -Hrd PA/PN, EI9J, DL9KRA, OK2BOB, HB, GD, G etc but could not QSO the latter - Sri!! Congrat

GD3SVK/FRED CURTIS:: Wkd ZB KV4, W1BB, HGT-KLPBW, VO1FB, HN-VE1ZZ, W8AH-W3GM-K2GNC-W2FJ, W1TX, WY W2TA, GGL -- 33212 points - WOW!! Sure nice fm GD land.

WILLY/OE1KU:: Wkd 55 stns, 10 Ctries-2720 points. & New Country ZB2AY april 24th too - FINE!!

FRED LAUN/HS5ABD/THSILAND:: "For my 160 meter operation, QTH was Chiang Mai/ Northern Technical college, a vocational school run by HS3NT. They hv 1KW BC Sta on 1600 Kc. Since 1600 is close to 160 that it mite wk using his tower, HS3NT closeddown the BC sta two full days so I cid use ant for 160 test. Hooked coax to base of tower, no tuner. Rig was DRAKE T4XB @200w loaded easily on 1800kc, poor on 1900, NIL on 2000Kc. Found best place to operate for Ws just below JA Band. For VK used 1800-1805. There is an S9 Noise across band which is why I failed to hear other signals. CK5KO and JA2CUI most consistent - could be heard constantly for about 12 hours each day. I might try again next year. Ran test w/EI9J w/80m dblet at home QTH - NIL despite fact we're both 589 on 80. Home ant not good enuff for long haul. VS6DO & HS1ABR about ready for 160" - Tnx so much Fred well done!

PY2BJH/HERCILLIO:: "Been bad season hr - QRN- during test wkd PY2BKO, CSS, PA, PY1MGF, ZF9AY-KV4F2. Hrd K9YWO, W4AH, W8ANO. PY2BKO is using top loaded tower has made WAC this band. I will be using ZW2 during WPX Contest. GusZV2 met herb KV4FZ in Feb at Sao Paulo!! Nice Hercillio.

MISCELLANEOUS ITEMS

TRANSPACIFIC DX-Wa7ILC/CRAIG/569 FEB 14:: QSO'd JALRQA/579. Heard JA4AH, JA7AO, W6AMO, RW-7ZC also on

TRANSPACIFIC DX-W6MUV/Bill/Feb 14:: "Experienced a THRILL akin to that of my first/ever QSO, when I heard JALRQA near 1910 KHz"- Nice!!

USA TRANSCONTINENTAL DX-W6JHO/"A1":: Now using top loaded 50" vertical tuned 1997K, w/ 10 radials 25' Long. Use valiant. "Condx poor, high QRN - Hrd W5SOT/339 & HR2HH/579" /

EUROPEAN TRANSCONTINENTAL DX TESTS WITH JA:: JA2AA/Shima requests help in instigating some European DX Tests. Write him ISAJI SHIMA - JA3AA- 1-4-8 FURUICHI, HABIKINO, OSAKA, JAPAN. PS DO!!

CONGRATULATIONS Wa4RGH/Pat:: On 16 Countries!! ending w/ HR2HH JAN24 - also ur 39 States!!

W5SOT/Chas. Sez:: "I listen for Europe but nil so far. Always HOPING fr a spectacular." Yes, it is exasperating Chas, I know from listening from Texas myself88/Stew (SEE P2 ITEM # 1)

W9PNE/Brice:: Started late but did VFB wkg PJ2VD, KV4FZ, W4BRB/VP7, W9FIU/KS4, HR2HH, PY1MGF #58 Cntry. Hrd EI9J, OK1ATP, HB9CM, PA/PN - sez JA Fy has LORAN S9 - ZL fy QRM'd also badly.

W4DCF/TONY:: Finds BC348 Rx superios to 75A2 for 160!! W1 Hv 100w on 160 fm lake camp soon - VFB Tom

SILENT KEY W2HV/Ed:: We are so sorry to learn, via W2BAY, of the passing of Ed, a Royal 160 meter booster, after a long illness. He will be greatly missed by us all.

JIM: This season wkd VP9GJ, 4M5ANT, KP4AST, HR2HH, PJ/CW, DL9KRA/449, W4BRB/VP7, KL7IR, PY1MGF, PJ2VD for total of 27 countries - GREAT!! Congrats Jim - sez KL7AEQ hears DHJ in KL land, so th thinks KL7/Eu "Over the top" is possible. Was putting up vert in KL7 land when temp 30 below!! Ga/33 PY2BKO Heard by W3GM, also by PY/sw1 Rasp while he was in England

HGT/Ralph:: Gets around!! 15 DX QSOs in Feb., 19 in March., 1 in APRIL

W1BB/Bill: sez "Re BULL #2/Resolution -"The worst problem I find is SSB/AM buckshot --it just kills you to try copying someone with that stuff hitting you!! G30QT had the best sig in test. EI9J has the best ears in Eu, maybe the world" vfb/Tax Bill - agree re polution.

G3KPO/Doug: Who visited W1BB June 1969 sez still thrilled with his USA visit and his photo slides v popular with G/gang. Hopes to sell out, move to country "Antenna Farm" type QTH & duck a lot of TVI also. Tax nice ltr Doug - it WAS wonderful having you visit. He hopes to visit VE on his next trip!

PEACE EFFORT-KLKSH/GARY: Deserves credit for the conscientious and sincere work he is doing on the PEACE effort. One of these days - let us hope - for universal peace please!! And when it comes we will all take satisfaction in the bit we have individually been able to accomplish.

FRANK ANZALONE/WIWI: sez "Hv retired now -expect w1 hv more time on the air although at the moment very QRL getting WW/CQ/160 contest into CQ-Nice wk Frank- Congrats on ur retirement and all our best wishes for lots and lots of HAPPY HAMMING aw.

K1PBW/ERNIE: gets around - visited W8GDQ/Willie in May - had small hamfest, Waldo/W8ANO, K8BBI/Bob and Jules. "Cased" 160 in grand style.

TOP BAND SYSTEMS-"Marty"/W6NWD: has vfb gadget for those wanting to get on 160 "The easy way" using 40 or 80 meter antenna etc. His 48W/160 MATCHVERTER for dipoles and inverted Vee antennas - cost \$30.00 - write Marty for dope!!

W2BP/Al: after hvg his t4X and R4B "Swiped", now has them on air. sez "Was using Heath DX35 and HR0500 Rx. sez "The DRake runs rings around it -hv already added 7 new countries EI-GM-HR-VP7-W9FIU/KS4-4MIC-2F1CC - my total nw 27 -- VFB and congrats Al!!

W0NPL/JIM: Sez "Mar and APR spent sun/up times trying to wk VKs/ZLs but "NIL"

6YUJR/Bob/W4DX (de W0NPL) sez "Was suprised May 20 to hear 6YUJR/Bob on on 1805 Ke w/vfb sig. He wkd W6KUS, RHI, Wa4SGF and myself" NICE one!!

W4LR/ex W1JQJ/"Jake": WHO MANY OF US remember as W1QSL Mgr, is now at Melbourne Beach Fla with Ranger and AR88. He hopes to get going on 160-CHEERS!!! is nw also Wa4/Wb4 QSL Mgr which takes much of his time. Nice hvg u aboard 160 Jake!

CHEERS to K8YIG/Geoweighs one Lb per meter - sez "Stew-my weight is now 160 Lbs-mans I should hv good season on 160 doesnt it"??? Now aint THAT suppin new??!! Gluck/Geo.

TURKEY on 160E#?? John G3POA: Formerly VP9GJ who made such a splendid trick putting BERMUD on 160 -- is nw in TURKEY. Anticipates difficulties getting license and on - needs equipment and customs are the bog obstacle. Has heard WCC 379!! Here's hoping John - keep at it!!

OKIATP/Yardey: Just finished the season with a flourish worked W1BB/1.HGT TX-KLKSH PSW-Wa Wa4LNG-W2EQS, TA FJ-W3AJS BUR-W8GDQ W9EWC-VOLHN, FB-KV4FZ-W2GGL-- In CQ/W/160 Test 169 QSOs, 19 entries, 14,160 score. This is our most active OK station. Congrats Yardey and b.c.n.u. next 70/70

G/swl SMITH: Closes season w/ vfb list. MAR21/22:W1BB/1, HGT-K1PBW/1-W2BGL, QD-W3MPW-W8ANO HB9CM. W1 hv ant up to 70' next season - Nice Norm!!

NEW COMER TO 160/K6GKU/"Bob" vfb and also "Welcome aboard". Bob been HAM since '54, spent most time on 10 and 6 - now intrigued by the challenge of 160. (It IS a challenge too!!) is an electronics research engineer. Best of luck Bob!

WANT TO KNOW WHAT IS HEARD IN SCOTLAND???? by GM3YCB???:; JAN:W1BB, K1PBW VOLHN --- FEB:; W1BB/1, K1PBW, W1HGT, VOLHN --- MARW2MCH, EQS, BP, JPN-VP9LY-W9FIU/KS4 Serrana Bank SA 7/6 Nice sig, - AUITU-58ANZ/589 --- APR QUIL- K1PBW-GM3WDF/W4MP4TAF This is very excellent Stuart. and we'll be happy when your lovely xyl gets her ticket and onto 160!!

160 DXer G3ADH/Arthur: Quite versatile, as a member of the AUSTERFIELD social group, and only amateur in town - sponsored transatlantic HF QSOs between AUSTERFIELD and MASSACHUSETTS HAMS especially to commemorate the 350th anniversary of the sailing of the MAYFLOWER in 1620 to Plymouth Mass. William Bradford, pilgrim leader was born and christened in Austerfield, which is opening their arms to many visitors from the usa to view his home there and historic items. This is VFB and shows very original thinking. We hope it worked out all OK as planned. Nice wk Arthur!!

FLASH!!! HEAR THIS!! SOUTH AMERICAN 160 DX -By PY1MCF rptd by ROLF RASP who gives us the exciting news of some wonderful results. Enterprising PY/swl ROLF has generated enough enthusiasm that after recent schedules PY1MCF QSO'd EI9J & G3OLI; two RESOUNDING FIRSTS!!! Since then daily schedules go on with several participants both ends. There has been a 599 two/way QSO with GM3YCB. ROLF concludes that summer is the best time for EU/SA QSOs and suggests schedules be arranged for MAY-JUN-JUL 2200-0100z sez " I never hrd EUs so consistently winters" - 160 is now fully allowed in PY 1800-1850k and 1KW!! PY1MCF uses 2-4CX250b (Gift G3ouu) @500w. ANT HOR LW 1/2 Wve 45' High fed with tuner after 300 Ft Cpax - runs uphill-gets out VFB. PY1MCF was hrd by 2N1YG/1. Intend to improve ant. Wednesdays at 2400 PY1MCF and PY2BGH/Hercillio exchange Test info PY1G, CSS&LBTY Active. Presently Rolf in Calif exchanging notes w/V6KWE. Intends visit Wa4SGF on way back to PY/land. Mentioned in orevious BULL - will say again - his COMPUTER record of his 160 results since 1962 is really a masterpiece - you hv to see it to fully appreciate EU

Guess this winds up 69/70 Bulletin No.3 Boys

Lots of HAPPY HAMMING on 160 to you always!!

73 de Stew/W1BB

October 12, 1970

Rolf:

Here 'Tiz - "All the latest" on 160 for you

Enclosed is the missing July 15th Bulletin you requested.

See under S.A. report for your data

Isn't it nice that you and Kitty can have such good times in USA

Your training in computers is really a wonderful deal - gets you around many exotic places!!

Keep up the good work now on 160 and we'll be waiting for PYLME

HAPPY DAYS ALWAYS

73 de Stew/WIBB

OCTOBER 15, 1970

WIBB -- 160 METER DX BULLETIN -- WIBB

1970/1971 No. 1

Le WIBB/Stew ---- Here we go!! Starting the 70/71 Dx season, which looks very promising indeed!!
 Sunspot Numbers are decreasing, much interest seems prevalent - there have been good DX openings
 to hope, (although bugged by much QRN - but the QRN is becoming less all the time). Special
 emphasis seems to be on VK skeds with G/swl/Allen "Sparking" that endeavor, (See prediction Chart
 herein), a goodly number of Ws already having been heard. DX to the SOUTH, FY, etc seems ready to
 erupt with several new stations on. True to prediction, last season was a GRAND experience for
 all. Sunspots or no, exotic DX was worked. This season should be even better. Of Course we aren't
 predicting "Easy Pickins". Most DX is worked "The hard way", and you have to work for it - that's
 what makes it so intriguing - like Chuck Wb9BUV on his HT4CI DXpedition last year sed; "I cannot
 describe the thrill it was hearing those W Signals on 160 there!!!", --New DX is always a new thrill
 Jumping the gun have been VE1ZZ, K2ANR K2GNC W8ANO W8GDQ EI9J G3CZA Wa4SGF G3OLI ELHGT, WIBB and oth
 others. ---- Alaska is to be heard from this year, via K8IUA/KL7/Fred who is very "Gung-Ho" to work
 many Ws - See Herein -He has already heard W8ANO/Waldo, W8GDQ/Willie, K2ANR, Wa4SGF, K8RNE, W4NFL,
 W9UCW, VK9GN, VK5KO W1HGT, & Otrs. ----An old friend Gordy/VE2UQ after an absence of 3 yrs has cum
 back as VE5XU. There will be one or more DXpeditions on 'Top_Band'. New Countries. Many operating
 activities are planned; Transatlantic Tests CQ/WW/160 DX/Test - and a BRAND NEW ONE, The ARRL 160
 meter contest - see Oct QST p 92, for weekend Dec 12/13 (See Herein); the regular ARRL DX CON/Test
 with lots of stations looking for TOP BAND Multipliers. TransPACIFIC tests, while bugged by poor
 condx last season, will be tried again. First Yr was good--second yr/poor--third yr fair- nw cum
 70/71???? Here's hoping!! ---- The ~~XXXXXXXXXX~~ "DX WINDOW" idea is catching on - lets keep the
 ball rolling by spreading the 'good word'. ---- Of Course the regular Sunday Morning traditional
 DXing periods will take place EVERY week, since lots of stray and exotic DX shows up between
 planned activities. ---There surely is a long interesting season ahead. For quicker handling, send
 your reports, data etc to your favorite NEWS MEDIA for publicity. WIBB is going to cut down some
 on this but would like your hot news items for the bulletin - which is sent all news media. Copies
 of this bulletin will be sent to those supplying bulletin information. We'll try real hard to have
 no errors, but if for any reason they creep in, they'll be corrected upon notification. -----
 SOOOOOOOOOOOOOOOOO..... again, "Here we go" on 160!! our favorite band, with it's joys and trials,
 surprises, thrills, QRN, QSB, Sunrise/Sunset PEAKING, QRN and all, working Dx "The hard way" -
 However, any way you look at it - "IT's a Great Game" to the faithful and perseverant!!
 "Allez-Oop" - HAVE FUN!! and lets pile into another VFB year on good old 160!! Lets go!!

Best wishes for HAPPY HAMMING ALWAYS - especially if it is on 160!!

73 de Stew/WIBB

The 1970/1971 series 160 Meter Trans-ATLANTIC DX TESTS ---- Will be held the following SUNDAY mornings from 0500-0730 GMT. Nov.29--Dec.27--Jan.10 & 24th_Feb.14th GMT Dates. During these TESTS, Special Effort will be made to establish records and work new Countries -- W/VE stations call "CQ-DX-TEST" the first 5 minutes of the hour and alternate 5 minute periods thereafter. DX will call "CQ-DX-TEST" the 2nd,4th&6th 5 minute periods listening in between times. Adhere to this schedule except when QSOs are in progress. Use authorized frequencies. W/VEs East 1800-1810. W/VEs West 1990-2000Kcs. Europe 1824-1830 ("DX WINDOW" Fys, --ZLs 1876-1886Kcs -- VKs 1802-1805Kcs ZS 1930-1970. These Trans-ATLANTIC TESTS, held since 1932 are symbolic and reminiscent of the original Trans-ATLANTIC Crossings by MARCONI, DeLoy, Schnell and Godley 1901-1924 and are lots of fun. With todays new receivers, "Know-How" etc, Crossings are much more frequent, but there are still lots of "FIRST TIMERS", and the operation a welcome change from "routine" QSOs. One must be on the ball for openings from most anywhere over a darkness path, particularly at sunrise and sunset peaking times. Many work their first-ever 160 meter DX during these TESTS. And these are TESTS and not CONTESTS, run for pleasure in a most unusual operating activity without competition. Besides the fun - development of PROPOGATION information makes a worthwhile contribution to the art of radio. Send HOT or unusual results, news/items etc direct to your favorite news media if you wishwith copy to W1BB for possible use in 160 dx bulletin. Remember to keep the test periods accurately - setting your clock by WWV prior to the tests. Use 2500kc,5000kc,10,000Kcs WWV.

Forth annual 1970/1971 Trans-PACIFIC 160 Meter DX TESTS

CONGRATULATIONS again go to the JA boys and West Coast stations who faithfully kept up the TESTS even though conditions were not good - and resulted in some contacts. With a pickup in condx this season DX should be much better. The JA Boys have indicated they will be active, and via JA3AA herewith are the dates they have selected. DATES JA TESTS 7,Nov.- 21 Nov.- 5.DEC - 19 DEC -2,Jan - 16, Jan. - 6 Feb. - and 20th February. TIMES 1330-1600 GMT. Dates and Times GMT!!! Thus the tests run from 5.30AM to 8.00AM Saturday Mornings, Pacific Coast local time, This is 10.30PM Saturday Evening to 1AM Sunday Morning Japanese time. Similar to the Trans-ATLANTIC tests, the times are set to embrace SUNRISE times on the Eastern end of the path. It has also been found by past JA tests that this IS the proper time for QSOs. JA Oceanic DXers who wish to try the EAST, or ATLANTIC Coast, can start at 1130gmt to approximately coincide with the East Coast SUNRISE peaking conditions - this will be a REAL CHALLENGE, to beat the AURORAL OVAL effect that lies in between JA and W1,2,3, land. PROCEDURES, the same as for Transatlantic TESTS above - See above!! Using the 5 minute sending and listening periodswith W/ve stations leading off. Set clocks accurately and keep to the schedules as set. FREQUENCIES West Coast 1990-2000. JAs 1907.5-1912.5 W/VEs east 1800-1805 kes. The JA Fy is a poor one for the East Coast boys. We are trying to get JAs to obtain a fy in the DX WINDOW 1825 or so ZLs 1876-1886Kcs. VKs 1800-1806 Kes and occasionally 1825 Kes. ----- SPECIAL JA/W 70/71 SUNSET TESTS are also suggested. There is also a good peaking condition at JA Sunset time NOV JA SUNSET TIME 0746GMT, Dec 0728GMT Feb 0807GMT MAR/0836gmt These are 11.46,11.28.1207,1236West Coast USA Standard times Test periods suggested is 0730-1000 gmtSaturdays, which is 11.30PM to 2.00 AM Friday/Saturday W6,W7,VE7 time. This is 4.30 to 7.00 pm local JAST Time. Fifteen minutes before sunset time to an hour or two after seems best. Set clocks accurately by time tick before each test, WWVH or Canadian 7335kes. BEACON STSTIONS can be helpful for checking band conditionsKPH of Cal/Pacific Coast 2045Kcs, WNU.New Orleans/old USA/Gulf Coast 2048Kcs. WWVH Hawaii 2500Kcs. Wec/East Coast is only on 2036 now intermittantly and cannot be depended upon/ These stations are on 24 hours a day sending messages, ships traffic lists etc. REPORTS may be sent to your favorite News Media. and copy anything unusual to W1BB for Bulletin, W1BB again sends best wishes to all for a most successful Trans-PACIFIC DX season. We "East Coast" boys are all anxious and envious to work JA on 160!! But it is a hard nut to crack working thru or around the Auroral Oval which lies directly in the path for East Coast W1,2,3,4, stations!!

NOTE carefully - TRANSCONTINENTAL TESTS JA/EU

Per Shima JA3AA we also announce tries to QSO Europe from JA to be held same dates as the transpacific tests but hours as follows 2030 to 2200 GMT. Here are new "Workds to conquer" sin no one has QSO'd across Russia from Japan to Europe. Shima will have a real big antenna for the tests so the best possible effort will be put forward!!

OTHER ACTIVITIES PLANNED

The CW/WW/160 DX/TEST January 31st weekend is a wonderful show!! The new ARRL DX TEST weekend of December 13th will be a dandy. We are expecting DXpeditions to show up also. See re the ARRL DX TEST elsewhere in this bulletin!!

SPECIAL ITEMS

NEW!! A.R.R.L. 160 METER CONTEST!!!! Cheers and CONGRATULATIONS go to ARRL and their "Contest Committee" for recognizing 160 with a brand new contest ---Scheduled for Dec 12th/0001z through 13th/1600z, it promises to be an annual operating activity of GREAT interest. --- The idea is to contact as many different stations in as many ARRL sections as possible, for which 2 points is given for each QSO,,, and as many DX stations as possible, for which 5 points each QSO is given. MULTIPLIERS are one for each section, and one for any and all DX, and one for VES - total of 76 multipliers possible. Exchange is RST reports, plus ARRL section. DX will send RST report only. Competition is within the section, and non W/VE Countries for high score, for which certificates will be given. ARRL DIVISION High Scorers get special seal endorsement. Write ARRL for summary sheets plus operating aid No. 6. -- Submit dope score sheet and alphabetical listing of stations worked, to them before January 11th. % ARRL Contest Committee, 225 Main Street, Newington Conn 06111. LOG is not required unless requested. This should be a most VFB Operating activity - Cheers!

ALASKA!!!! NEW STATION ON KBIUA/KL7/Fred!!!! ALASKA!!! -----Just moved to KL7 to be instructor in University of Alaska --has Drake rig along and sez to tell all the boys he'll be on 160 this season with top loaded vertical trying for many Ws - CHEERS!!! With two KL stations on (KL7IR hopes to make it again this season) makes it very interesting, especially those wanting WAS. Luck Fred & TNK. QTH: Fred C. Rase/ Mile CHENA HOT SPRINGS ROAD/RAINBOW VALLEY TRAILER COURT, Lot #29 FAIRBANKS ALASKA. He is available for any skeds. He has already hrd VK5KO/1802/1045z/559/22AUG. - AX3APN/1803/0920z/559 - AX3XB/1015z/339 - VK3QI/359/1000z. Band opens 0900-1200z. Hra W8ANO several times. HERE'S A LATE FLASH!!! KBIUA/KL7 QSO'd VK9GN 1804Kc 9.27/70 1020gmt. THIS IS A "FIRST EVER" a brand new record!! CONGRATULATIONS to KBIUA and also VK9GN/Gene!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

SOUTH AMERICA to EUROPE QSOs de PY2BJH/Hercilie during June QSO'd EI9J three times, GM3WDF YCB - ZD9BN. (See Bull No.3 p4) 1804 Kes. Sez PY2BJH, SU, CSS-FY1MGF-ZP9AY active most every Sunday AM " 2200-0100z. Wonderful!! here's your chance for S.A. for WAC. Tnx Hercilie/luck. NOTE!!! FY/awl Rolf Rasp is in Calif USA w/xy1 until DEC so we'll miss his potent reports for a while.

TRINIDAD 9Y4NN Jim Pafford on the air!! Starting Sept 15th w/new TX & Vertical 160 ant. Here's a rone one for many. VFB Jim and best of luck!! (9Y4NN That is)

1971 EUROPEAN/SOUTH AMERICAN "TESTS" ---Since summer is, as proved by preliminary tests this June, the best time for N/S DX, Rolf Rasp, and "Paddy" EI9J have decided to held another "160 METER DX ACTIVITY PERIOD" June 1st through June 30th, Daily, so not to miss good condx, from 0000-0030z w/Ea listening 00-05,10-15,20-25 etc. Ex to use 1520-1830Kcs w/ other DX 1800-1810Kcs. Condx N/S during summer are at their best!! ---Rolf will issue a news letter afterwards to news media and participants giving all the dope. He requests reports wkld/hrd etc from all participants. Address Rolf Rasp Box 51-20-00, Rio De Janeiro, Brazil. FY1MGF will "Mc" The Tests and requests QSLs % same QTH. ---"Paddy" Says it is hoped PY2BJH, FY1MGF, QX5SF, CX3BH, ZP9AY, ZE3JO will be on because very fine signals come through in June - up to S9 at times. CREDIT Goes to Rolf, and Paddy too - for organizing these tests which should prove most interesting indeed. See elsewhere herein item "S.A./EU QSOs de PY2BJH" More on these tests later.

CONGRATULATIONS ZD9BN (GR2SM/Roy) FOR FIRST EVER ***** 160 QSO de TRISTAN de CUNHA, when on June 20th 1970 he QSO'd PY2BJH at 0145Z. Roy will be active this coming season and hopes to QSO many more DX Stations!! Has also QSO'd PY2BKO VFB ROY!!!

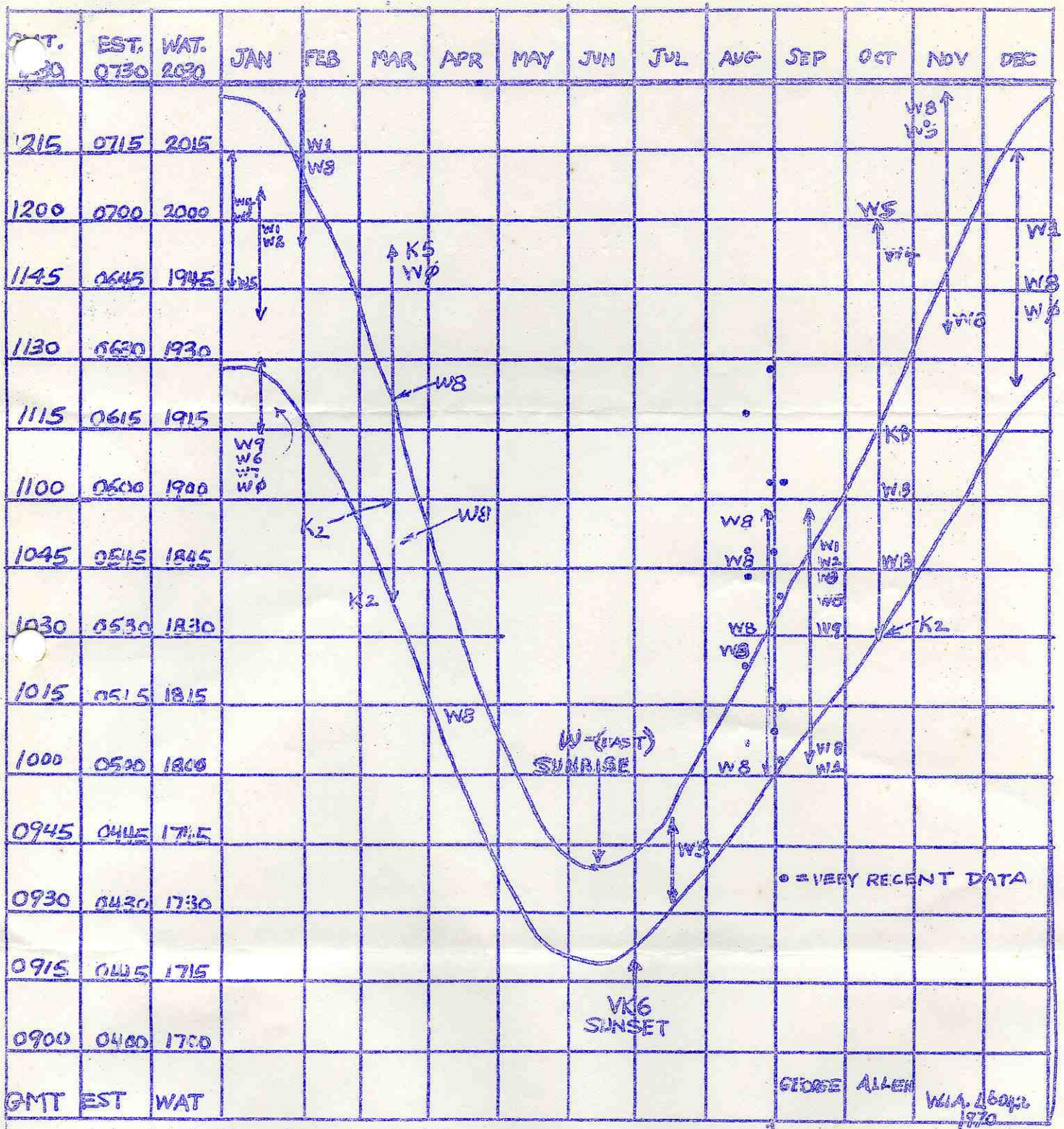
SOUTH AMERICA on 160 - PY2BKO/Gus tells us the following FYs are on 160. 1MGF, BTX, 2BJH, SU, BKO, CSS, EGL. FY1MGF seems to have best QTH and ant sez "I have QSO'd ZP9AY, DL9KRA, ZD9BN - FY boys are trying for VKs now. These FY Beys are bound to be very active this new season!!

SEASONS FIRST ? de W1NGT---QSO'd GM3YGH Sep 4th sez " Perhaps one of season's 1st DX QSOs" - YES believe it is ralph VFB & Congrats - Ralph Wld Summer DX: G3SED Jul27 - G3OLI, SZA, AUG30 - Got his WAS/160 certificate this summer - needs Asia and Africa for WAC. Sept 19/EI9J -20th KV4FZ & Others

STORY ON W4CI de W9BUV/Chuck:****Operated by him in April on 160 and wld W4DX/449-W4NFL/559 - W9UKW/449-W2IU/339-K1PFW/339 - W4LSCF/569. Also hrd W8ANO/559. Sez " I cant describe the thrill feeling it was, hearing these signals on 160"!!! (Same as early Wireless Pioneers - ed) ant 400' W, 25' High from hotel to Palm Tree on beach. Nice work Chuck - VFB88

LIGHTNING BOLT!! de W4NFL/Jim sez "In AUG my 160 ant got hit by lightning - the copper/steel wire disappeared leaving insulators laying on the ground. Lucky my rig wasnt hooked to it!! Amen!! Right!! Dont forget this little object lesson boys -- a word to the wise is sufficient!!!

FLASH - WH0CFEE ! de W6KHE/TOM Sep 13 QSO'd ZM1AYG, VK6NK AX3APN - 449/579. Skeds his sunrise /VK-ZL Sunset 1200-1400z Approx Sat & Sun. Great Stuff Tom - Keep it up!!



VK6-W, DX PREDICTION CHART BY VK6/SWL GEORGE ALLEN

We are indeed MOST fortunate to have George share this DATA based on his actual observations and studies of Marker and Amateur stations over the path. This has always been an intriguing path - now for the first time we have some "SCIENTIFIC" data. Let George speak for himself concerning it in the following:-----

SEE NEXT PAGE!!!

de VK6/SWL GEORGE ALLEN: "The graph shows VK6 sunset, and E.S.T. Sunrise times, plotted over a year, the latter based on Baltimore, MD. -- VK6 sunrise/sunset times duplicate every four years, so the graph should stand as a permanent DX time-table for this path.

"The area between the curves is the shadow-band, which is most critical for W1,2,3, - these districts being furthest from VK6 - and it is significant that, with two exceptions all DX from the latter lies within the curves, and therefore indicates when and at what times the path will be open -- given suitable conditions.

"It will be noted that the SPRING equinox, and summer solstices in VK6 appear the most favorable periods. The path does open at W to VK6 winter solstice, though no W Hams have been heard then -- possibly due to inactivity in W

"Each small square along the "X" Axis on the graph equals 6 days, and the W Dx has been marked in at the appropriate dates and times. It will be seen that DX seldom appears before our sunset. Also, where W DX is shown above the sunrise curve, this is because the districts are further West, and have a later sunrise - which gives them a bit more time to work VK6 than is available for East Coast Ws. A separate graph would be required to show all the W6 7, 9, and 0 especially in March, as the time-scale on the present graph is inadequate. No W dx has ever been heard at VK6 sunrise" (Very very fine George and thanks a lot from all hands) Now gang - you're all set for some VK/Oceania DX - best of luck - and again THANKS GEORGE.

MALPELO EXPEDITION -- I was very privileged at the Boston Hamfest National Convention to see the W4DK/Bob & W4DQS/Dale color photos of their memorable trip last season to Malpele. It is surely astounding that they were able to effect a landing on that 800' cliffy high and precipitous rock in the middle of the ocean, and especially to get up that 160 meter antenna and work so many stations. ALL Credit to Bob and Dale and their intrepid crew for putting a new important one on 160

THAILAND Credit to Fred Laun H55AD for putting Thailand on 160 and working two W6 Stations!! It was a pleasure meeting and discussing 160 with this intrepid adventurer at the Boston Hamfest.

FLASH - SAN ANDROS? Barry/W9UCW/NE/??? TO BE ON !!! ON 160!! Planned for during CQ/W/160 DX test Sat in 30 slots thru 1500z Sunday 31st. Steve K9CQV and possibly others going!! HK/AI and HK3AQ helping w/arrangements. This is a GRAND ONE!! VFB Barry!!

JA EXPO/70 de JA3AA ---- JA3KPO Station closed down with the EXPO Sept 13th with a VFB record of 70 160 meter QSOs with JAs, plus one with KR8AG, the Ruykyu Islands. This is a FIRST EVER !!!!!!! Congratulations the wonderful accomplishment boys!! JA3JM, AA UL DY -JA4DCG, CEO also QSO'd KR8AG who ran 150 watts & L.W. --KR8BY CF FA.GU w/ be active soon also --. JA3EXPO used FL400TX, 1KW, L.W.

RESOUNDING FIRSTS!!!! CONGRATULATIONS to VK9GN/Gene/W/IHW also W9BKA/S and K2ANR for doing the IMPOSSIBLE. BKA at 1055-1110gmt Sept 27th ---K2ANR 1015-1025 Sept 29th marginal signals. This is just plain WONDERFUL!!!

WAY DOWN UNDER DX !!!!!

ZMAYG/Tony had schedules with G3IGW/A11! Also w/PY1MGF & they hrd each other weakly. Also py2BJE/Hercilio hrd him twice but no QSOs. TONY is vy "Gung-Ho" and looking forward to coming season which is improving. Hearing US BC STns KV00/1170k, KFBK/1530k vy strong esp. arnd 0630z

PADDY EI9J Had listening sheds with VK6NH (VK6NK) at his dawn times 2245 approx ea sunset last june. Paddy hrd him june 24th 569 signing but no QSO!! VK6NK hrd onli weak unidentifiable sigs. Hopes to run more sheds next season and drum up more G Interest. These should be most interesting. Keep 'em in mind - DX to use 1800-1810, Ea 1825-1830k - Tnx Paddy - congrats your very nice work.

FIRST SEASONS VK/W Signals de VK, SWL Gee Allen aug 16-21 hrd Q4NPL K2ANR, W9BKA/S, W8ANO, WA4SCF -- Sep 1-3 hrd W8ANO, Q4NPL, W1NGT K2ANR between 1003 and 1118z. Sigs not too strong yet. Gee sez "A promising start - better than last yr this time!!" VKs on prowl for ws actively now.

WORKING ZLs & VKs de Willie W8CQD: " I found there were TWO peaks in the spring AT LEAST one about 0800z or so - used to work ZL3RB on that one, and then again at sunrise, around 1000z much better - The 1000 Peak much shorter & dropped off sharply w/daylight. Equinox not so important as time - could have worked all summer if band quiet" (W1BB has always maintained that DX to south is best in the summer. Sep 13 Willie hrd VK3KO 339 1058z - 1803k

de AX3APN "IN AUSTRALIA 160 IS COMING TO LIFE After the winter "Dead Season" AX3QI/Peter hrd East Coast 1000z" Tnx peter. Here's hoping for some QSOs (The AX prefix one to celebrate AUSTRALIA's 300 years since discovery by the famous explorer COOK)

SEE FLASH elsewhere! Where W6WNE worked ZMAYG, VK6NK AX3APN sep 13 449/479 CONGRATS!!!

W4BGO QSO'd AX3APN/1825k. Hrd W8CQD

~~FLASH!!!~~ 1020z 27sep K8IUA/KL7 & VK9GN QSO 449m2, peak S7 for FIRST EVER VK9/KL
W6MWE/Tom is certainly "Going to town"!! QSO'd VK3QI 2xssb 1805/1998 - K8IUA/KL7 K86IJ
VK5KO - AXeAPN - VK3QI WOW!!! He also hrd JA-AO. Is running listening skeds with ZS6BT 0344z
W7DOL/2 & TOM Both hrd by ZS6BT

MISCELLANEOUS ITEMS

- NEW QTH CHARLIE O'BRIEN W2EQS::: New at 190 Knickerbocker Rd. Apt 9 Englewood NJ 07631. Hope there's plenty of room for an ideal 160 ant Chas! He hopes to go on another DXPEDITION/160 this yr.
- K6GKU/Bob, newcomer to 160 expects to hv a @enset G66B and AF-67 on 160 w/top loaded mono-pole or IW Ant. - May try out a loop - Luck on 160 Bob!!
- GM3YCB reports June 20 PY1MGF 599. June 21, PY2BJH 479/0035, PY1MGF 579. Sez GI6TK whd 9G1/ghana. JA3AA hrd in London 569/no QSO--Roger G3UPK/ZB2AY g2 ZD8 ASCENSION Sept/Oct w/ try 160 -- ZD9BN wkd by PY1MGF --g24MO/G3TSL Mike w/ B on fu KENYA - Tnx Stuart - nice.
- UNFORTUNATELY KL7IR/Marty Will probably not be on this season. Equipment needed and has changed jobs & Vy QRL Other directions. He is sorry. So are we!! but we remember his FB Performances 1969/1970 Season. Very best of luck to you Marty. (Fortunate for us K8IUA/KL7 w/ be on this yr)
- CHEERS KL7!! K8IUA nw in KL7 and is operating 160 very faithfully and successfully
- SHELLY W3RGO former stalwart of 160 expects to be back this season after long absence - VFB
- Wa4SGF/Ed:::Nd summer except high QRN, CONGRATULATIONS!! has 50 WAS QSLs all ready - nice!! Ed plans lots of DXing this season. Has wkd 31 countries/has 22 QSLs. Anxious to wk VK & ZL - had new Jr jr operator in July - Cheers and b.c.n.u. Ed.
- G/swl NORMAN SMITH :: Planning new ant depending on his purchase of a lot of land with an ash tree on it!! Luck Norm he has bn getting about this summer - DX will be big relaxation. Cheers
- THREE CHEERS GORDY VE2UQ/VE5XU::: Back on 160 agn after 3 yrs QRT - w/ be operating fm BELL CITY MOTEL, Regina, Saskatchewan soon as he can get Rx and Tx set. This proves the old saying -- "They always come back" or "Once a 160 meter fan always one"!! This is sure excellent news!! Especially to have a VE5 on contests. Luck Gordy and best of DX to you.
- HB9CM/PHILO::: Has moved QTH: QRV and Vy "Gung-He". Skeds w/VK5KO, ZL3RB, etrs etc-anxious QSO Operating from Chalet now. W/ hv new ant at new qth sn. Philo is a faithful persevering 160 HAM!!!
- G/swl Bob Iball will NOT BE ON THIS SEASON::: Has sold his AR88D for a JR500SE which does not cover 160. However sn as pass Bob w/ get new rx and b back. This is a real loss not to hv his wonderful reports. Bob has been perseverant, experienced, faithful since 1951 - b.c.n.u. back bob!!
- K8IUA/KL7 Fred::: Is hearing 160 DX VFB -- W8ANO, W8GDQ, K2ANR Wa4SGF K8RNE W/NFL W9UCW VK9PH, W1HGT, W6MAV W7IC, W7DOL/2, W6ERS Fred uses T4x, R4B, w/70' Top loaded and worked VK9GN!!! Nice!!!
- AX6IZ is on 160 looking for Ws - has heard W/DX rst 559 - Best of luck OM!!
- FLASH!!! de VK/swl George Allen::: HEARD SEPTEMBER 5th K2ANR, W8ANO -- 8th. K2ANR, W8GDQ K8IUA/KL7 Wa4SGF -- 11th W8ANO -- 12th K2ANR, K1PEW W8GDQ, W9BKA/2, K8RNE W9UCW W/NFL ---13th W8ANO, K2ANR, VK9GN, W8GDQ, W4BGO W9BKA/2, W/NFL -- 15th W8ANO, W9BKA/8, W8GDQ, Wa9NKT, W/NFL -- 16th W8ANO, K2ANR, W/NFL also W6MWE who works ZM1AYG, VK6NK, VK3AFN. Geo sez "Tom" certainly has luck with his skeds. You probably remember that it was he that triggered off the dx last August. he's doing VFB!!
- FLASHBACK - de W6MUV/Bill::: Listened in Feb 1st, 15th. On 1st hrd W1BB, W2GGL, W8ANO, W8GDQ but did not hear any transatlantics from across the pond as hoped for

SPECIAL FLASH!!!!

~~66~~ AND RESOUNDING FIRST EVER was made when VP9GN/Gene QSO'd K2ANR Sept 29th 1034z
CONGRATULATIONS TO Joe and Gene for pulling this trick across - it is phenomenal !!

As you know from BULL #3 last season, W1BB has had some troubles, losing xyl & being in hospital off and on himself the summer and fall of '69 and spring of 70. In this connection, per "Doctor's Orders", W1BB must do with much less burning of the 'midnight oil! Accordingly it may be necessary to curtail somewhat the BULLETIN, as well as operating time on 160. We're going to do what we can however!!!

Wishing you all the happiest season with oodles of DX

73 de Stew/W1BB

Stew.

TransATLANTIC TESTS

2.

SECOND TRANSATLANTIC DX TEST Dec 27th::: Conditions were quite good except for considerable snow static. The following, (Plus others whose calls were not obtained) Stations made a goodly number of QSOs --- HR2HH, OA8V, OKLATP, DL9KRA, G3RKJ, G3SZA, G3OLI, G3XXF, G3OQT, G3ZES, G3YDX, GM3YCB. QSO lasted from 0500 thru 0800 peaking well at about 0700Z. Was known participating were --- W2EQS, DMB, FJ, W4QCW /4, W4PSF, W9DL, W9UCW, W8HID, GDQ, ELL, AMW, L3MBF, W2KWB, W1HGT, K1PBW and W1BB.

THIRD TRANSATLANTIC DX TEST Jan 10th::: Conditions were good allowing GM3YCB, G3RKJ, G3PU, OKIARF to have outstanding signals with G3OLI, GM3OXX & others coming thru up to 66.5z' also some W8/W9 QSOs - the W6s were coming thru good too. Was heard on were --- W8AH, ANO, DDQ, GDQ, K8BBS, K8FX - W3IN, W3AJS, WGM - K9DBV, W9UCW, W4QXY, W2RAA, BVN, K2LBB - K6DDO - K1PBW, W1HGT, W1BB. W1BB was baffled at home QTH trying to work weak signals in the noise level, plus oil burner QRM that completely wipes out the band every few minutes - just puts a complete blanket over the band periodically.

TransPACIFIC TESTS

KH6HCM/W7UXP - GARY ELLIOTT::: A Brand new station on 160 using 100 watts and end fed 1/4 Wve HERTZ. Was heard on East Coast during ARRL/160/TEST - keep an ear for Gary. Welcome aboard!! Has already worked 14 States including Del. and Md. - Wkd VP2VL also! Nice start Sez "w/256 entries and 39 zones wkd I need a new avenue of release and have found it on 160"! VFB.

THE TRANSPACIFIC BK PATH opened up real well already, pointing team outstanding DX Season.

JAN 3rd JA3AA QSO'd::: W4YLC, K6DDO, K6CEO/6 Dec 5th JA2CLX QSO'd::: KL7CL, W6DQX, K7WWR, W6KWE, W7DL/7, VE7UZ, W7DOL/7, W6QHJ, W4BIVM, W4YLC, W7LNG, W7DZO, N7YGN NOV 28 JA2CLX QSO'd::: K6RU, W7CFJ, W7RM, W7DL7. NOV 29th JA2CLX & JA7AO HEARD::: W4EX, KL7CL, W5RTQ. Japanese stations transmit between 1907z and 1912z Kcs. JA STATIONS listen 1800-1805, 1825-1830 and 1995-2000Kcs. Best times to try and contact JAPAN is an hour before our sunrise to a half hour after sunrise times.

Europe TRANSCONTINENTAL

A RESOUNDING FIRST!!

XXXXXXXXXXXXXXXXXXXX JAPAN JA3AA QSOs Europe DL9KRA A "First Time EVER" Accomplishment::: On January 3rd at 2157 gmt Isaji Shima JA3AA/579/1909Kcs QSO'd an DL9KRA/559/1827Kcs for a mighty resounding "FIRST EVER" !!! CONGRATULATIONS TO THESE MIGHTY INTERPID 160 METER DXers - GREAT!!! Another "New World" is conquered on 160, another barrier breached. Now that the European TransCONTINENTAL "Bugaboo" has been disposed of, here's HAPPY TIMES with many many more JA/EUs

SPECIAL ITEMS

THE A.R.R.L. 160 METER CONTEST::: The test went surprisingly well for a FIRST test. Lots of participation, many good QSOs with one or two stations having fantastic scores. From the DX angle a relatively few DX came thru from G/Land and a very few from the West. The contest is also disappointing to the DX - this being the only criticism, because there is no credit for DX/DX QSOs. Many feel DX should be allowed to work each other for points. Ernie K1PBW made 69,000 Pts in spite of coax cable failure that had him running around teseroung up and install 300' of COAX accomplished Sat nite early but lost some time on the air. Gary K1KSH Made 44,000 Points. W9END apparently has a tremendous score. Operating practices were good and an encouraging thing is that the "DX WINDOW" was quite well observed by most HAMS. Also it is felt that DX QSOs should be worth more than 5 points to cover the long time it takes to work a DX Station at least 10 points. W8GDQ worked 13 DX Stations heard 8 others. W3IN worked 19 DX Stations!! He wkd 46 states and 343 QSOs - GREAT!! A "Super" performance indeed. Sez a QRT at 1400z, advisable next TEST. G/swl Norman Smith heard KV4FZ, K1PBW, K4IA, K8RRH, W1HGT, W2FJ, W3GM, W3NNK, W4SGF, W4QC, W8AH, W8GDQ, W8ENC - fine Norm!

W1BB's SAD SAD STORY!!!! ::: W1BB started to install a new coaxial fitting on the lower end of the 100' line to the center of his inverted Vee AT THE "TOWER". All went well except couldnt finish before darkness, so "secured" coaxial cable near the base of the tower for the night. Couldnt get back to it next day, then that night and all the following day, a severe GALE came up and the COAX was torn loose from it's temporary fastenings, and hung free suspended from the BALUN at the center of the VEE. The severity of the gale flung the cable all over the place, ultimately blowing the lower 2/3 of it over and around a red warning light 1/3 the way down the tower from the top and out of reach. Every effort was made by splicing a rope onto it's lower end and trying to SNAP it out over and off the light, but though two of us worked on it for an hour - no results. The antenna cannot be lowered so it could be replaced at the center because of the tangle around the light, and when you do try to lower the antenna it remains suspended in mid air.

USING BOATSWAIN'S CHAIR ::: The only way it can be freed, is for someone to go up to the top of the "Tower" and lower themselves 1/3 way down on a "Boatswain's Chair". This takes an experienced rigger and one has not been found available as yet, especially during this cold, windy, snowy, winter weather so it will probably have to go until next spring or summer before it can be fixed. IN THE MEANTIME W1BB IS OFF THE AIR ::: and what operating is done is from the home QTH, W1BB, with his inferior set-up to the one at the "TOWER". A Horizontal Doublet 40 to 50' High.

160 METER CW DX NET//;;; de G3YMP Here's something new and different, Paul sez "Several local HAMS including myself are starting a CW/DX net on 160 trying to get as many DX Stations as possible to join. Fy is 1829Kc time FRIDAYS at 2200BST started Oct 2nd w/G3ZBF w/200' Vert. QNDV and many others. Operation will be with NET CONTROL stn calling CQ at 2230 QSX 1829 and 5 QSX 1800-1810. To check-in stations net will cover 1800-1810Kcs as well as 1829Kcs. HOPED for stations DL9KRA, PA/PN, HB9CM, 5N2AAF, 5Z4MO, OH1ST ZC4AK ZB2A and others. Lets give it a good try gang. If conditions are bad, NET will end w/final transmission from NET CONTROL at 2300. If condx good will be extended as desired. Speed 10 WPM suggested/ Lets give it a try boys!!

A NEW "FIRST" GM/YC QSO ::: when 21Dec70 at 0030z G3TWA Mike wkd 9Y4NN then GM3WDF/Stuart/569 QSO'd 9Y4NN/Jim/589 at 0045z followed by GM3YCB Stuart/569 w/ 9Y4NN/Jim/589. CONGRATULATIONS GOOD FELLOWS - understand signals were fantastic - GREAT Keep up the good work !!!

K8YUA/KL7 - ALASKA/FRED::: Has heard EUROPEANS!!!! G3RCE/A 459/589 1822Kc -----G3RKJ 569 1827Kc G3ZDY 339 1826 also W3FE 579. Also has hrd W1HGT, K2ANR, W3FE W5RTQ SBX, W7IC, KH6IJ, W6ERS, KWE MAV, W8ANO, W3RGQ, K8RNE, K7HQL, W4DE, VK5KO, VK3ANP, VK3QI, VK3XS & wkd CK9GN - a real nice string luks' good.

All Austria 160 "OUSV" CONTEST::: Was held saturday Nov 14th from 1900-2400z. There was a big turnout. OE1KU wkd 19 districts and 50 contacts for score 750. This was a similar contest to the new ARRL Contest except OE did not allow DX Contacts at all. This was a snappy 5 hour test.

A GOOD GROUND de VE2UQ/Gordy/VE5XU ;;; Sez "By the way I learned something interesting directly related to 160. In QSO with a REGINA VE5 Ham at WATROUS, Sask, Canada - about 120 miles north of here working for CBK Regina CANADIAN BROADCASTING CORP, REGINE station 540Kc. It was always my belief that salt CHUCK or salt marsh was the perfect GROUND. However he said WATROUS was selected as the site since it has the HIGHEST CONDUCTIVITY on the CONTINENT. Is saltier than Salt Lake and the antenna is on the edge of WATROUS LAKE, where the water is so salty and dense you cant sink if you go in it. Makes sense of course. I'M just wondering how this antenna would sound on 160!! HMMMMMM k...ow any VIPs in CBC??" Soun's good GORDY maybe you can go into business exporting some of this HIGH CONDUCTIVITY stuff to 160 hams all over!!!

"WAY DOWN UNDER" 160 DX

V /swl ALLEN REPORTS HEARING MANY W STATIONS::: Sept 15 - Oct 15th:: W6KWE W9BKA/S, W9UCW, Wa9EYY, Wa4UBB, W4NFL, W4DX, K8BBI, W8ANO, Kfx, VLN, HID. K2ANR, K2GNC, W1HGT, K1PBW K5TFG, W4EX W4GJO, Wa4SGF-KL7NFL - has now hrd 26 states and over 60 stations inc K2ANR and W9UCW on SSB. AND a further report for NOV/DEC Allen sez W activity has slowly declined because sunrise w/land getting later and the boys cannot get on before going to work. However, he had heard 36 Stns in 17 days which is a good record. On the circuit to Europe 19 dates were "Open" and VK6NK QSO'd G3RPE, DL9KRA, EI9J, G3LYW VK/swl ALLEN heard!! DL9KRA, EI9J, G3EKE, IGW LIQ LYW KMI MYI SED, GW, WDF, GM3YCB, OK1ATP, G3OLI using his 2500 ft L.W. ANT 40' High - nice work GEORGE!!

W4NFL/JIM DOES SOME GOOD LISTENING - AND A QSO::: Hrd VK5KO Twice, VK6NK four times and WORKED AX3ABR once and says also that a PETER DREW/VK/SWL using a 40" Square indoor loop heard Ws as follows. K2ANR/10-W8ANO/3-W9BKA/8/7 W9UCW/1-K2GNC/1-W4NFL/Wa9NKT-K8BBI-W6KWE-Wa4SGF-Wa9EYY W4GJO W4EX/2 (# After call is # of times heard) This was during Sept & OCT times 1013 to 1151z This is sure a nice list peter, with an indoor loop VFB. (Underlined calls made QSOs)

MISCELLANEOUS

OK1ATP VFB STATION AND VFB RESULTS::: Jarly has a VFB station with 3 receivers, two transmitters and a 300w linear. A 2x38m dipole 1/1 SWR at 1828k, also an 83m LW E/W. His record is 29 entries QSO'd and only needs AFRICA for WAG. CQ Contest Nov 29 14 Countries, 169 QSOs, 28ww Points!! During Nov/Dec Jarly worked W1HGT, ZB2A-K1PBW-PJ2CC-VK6NK-W4BGO-W4WHK, Wa4SGF-K4IA-W8AH-KV4FZ-W3IN, W4QCW, W8GDQ also heard W2FJ, PJ/FC-HR2HH Very nice going Jarly

HOORAY!!! OASV ON THE AIR!!! de W4QCW::: "I've just become interested in 160 and have persuaded my weekly sked station OASV to come on 160 also. Paul OASV has 300w and is using a base loaded 60' Vert. His first QSO was with KV4FZ dec 9th 2320z. He copied anfew calls in the arrl ARRL test but his conditions were poor. On the 27th we had a sked at 0400z. I was operating portable at HARRISBURG using WKCY's 270' Vert. We made contact immediately and Paul went on to Q 9 other stns between 0400-0600z viz W4QCW/4, W2BP, W4ZVQ, W4JZC, K1PBW, waAH, Wa4JVS, Wa4SGF, Wa4JZC, Wa5KYY. He will be active in the CQ Contest - QSL via W9GFF. This is a nice piece of work W4QCW getting him interested in 160 and on the band - Nice CHEERS!!!!

(9Y4NN/Jim/W4KXI WILL STICK WITH 160) 160z::: Sez " I find 160 to be a challenge. it is interesting and intriguing and it is "Different" to say the least. I think I will stick with 160!!!" Nuff sed. has heard a long string of DX and Ws "I just couldnt make my 10 watts reach usa however"

9Y4NN

MAY 4 - 1971

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop - 02152 - Mass.

RY SWL
and
PY I MGF
HERE 'TIZ
"ALL THE LATEST"

SEE ✓ MARKS

Happy Hamming
on 160
73! de Stew/W1BB
Always

MAY 1971

W1BB -- 160 METER DX BULLETIN -- W1BB

1970/1971 #3

de Stew/W1BB ----- SPRING Bulletin, Now Ready, No.3 !!! And Here 'Tiz with "All the Latest" that I have on 160 ---- The 70/71 DX season is History, and everything considered, it has been another "good one". For example, W1HGT made 324 DX QSOs with 106 different stations!! Who can say the band hasnt been good?!! ---- The San Andress DXpedition by Barry W9UCW/HKAI and Steve K9CQV, both assisted by HKAI was an unqualified success - many QSOs!! ---- Z8AY (GW3UPK/ZB2AY) Roger, has been making a big splash from Ascension Island working quite a few lucky boys!! Even a SSB/160 QSO with A1/W2BP ---- Rolf Rasp PY/swl and his friend PYIMGF have made a lot of QSOs. Rolf has instituted "TRANSEQUATORIAL TESTS" for Eu/PYs during June/July. ---- OKIATP/Jarda has been "going to town" w/Many QSOs including Z8AY ---- Quite a few TRANSFACIFIC QSOs have been made, (SeeJA3AA/EA7ILC herein) ---- The CQ/CW/WW/160 TEST made another record turnout, lots of fun!! Although condx not the best, especially the second night. see CQ Mag for results. ---- The FIRST ARRL/160 TEST was a "Jim dandy" ---- The Curacao PJ2CC DXpedition had bad conditions, but thanks to the faithful perseverance of Chas/W2EQS, a lot of W QSOs were made. ---- There have been many other interesting happenings - see Bulletins ---- YES, it has been an active and interesting year on 160 even though the sunspots did not dip as low as anticipated. ---- The "DX WINDOW" has been pretty good quite a lot of the time, although quite poor at others, nevertheless it is 100% better than no "DX WINDOW" (0000) (1825-1830Kc) at all. We do have a continuing problem of phone QRM, signals and splatter between 1800-1805. ---- The W6,W7 stations have been moved to the low end of the band due to LORAN changes. Some powers have been upped. ---- Tests with various antennas continue. K1PBW using vertical for transmitting and BEVERAGE for receiving. Some G boys with BALLOONS. The HKAI(W9UCW) DXpedition used a "Minooka Vertical Special" which worked VFB. Lots of others are being used/tested. BEST "all round" antennas seem to be high up inverted Vees or VERTICALS with or without top loading and lots of ground radials ---- Well, That's it - been a real VFB Season - now for the summer rest and recreation period. Then about next September 28th when the fall equinox arrives, pitch in with "Vim and Vigor" for another VFB season. It SHOULD BE for the sunspots are now dropping rapidly!!

HAPPY summer, HAPPY days and HAPPY HAMMING,
Especially if it is on 160
73 de Stew and b.e.n.u.

Stew.

SPECIAL ITEMS

SAN ANDRESS EXPEDITION BY Barry/W9UCW and Steve/K9CQV a HUGE SUCCESS!!!!!! *----- After a slow start due to missing a plane, (Not their fault) at Miami, arrived OK and were on as K9CQV/HK/AI day, Tuesday, Wednesday, giving many Ws their new country, using both 1996 and 1827. HK/AI was on for an hour Wed eve w/ 40 QSOs!!! Thursday was "Night out" on the town. Friday/Saturday the CQ TEST. Fri/Sat was fine but Sat/Sun a cold front with much QRN cut things up terribly. Nevertheless they worked a lot of Ws and some DX. All DX S5/8. Barry sez " I would encourage anyone going to these areas to use a vertical with that perfect ground - by the sound of Gene W4BRB/VP7 he found the same thing. We used vert "Minooka Special" ant, think he did too. On a 1/2 wve wire sigs and QRN were down. We would have liked a BEVERAGE for receiving. We are thinking of going again on maybe a TWIN, Baja Nuevo/Serrana Bank, 2 weeks deal, suggested by HK/AI who was a tremendous help to us. Would use Victor/HK/AI's boat probably". - "One thing for sure if I go back will surely take xyl & two Daughters - it is a paradise there!!!" Now follows, Barry's summary ----- "San address is a sea horse shaped Island, 7 1/2 miles long and 1 1/2 miles wide, located in the Southwest Carribean Sea, 480 Miles from Colombia to which it belongs. Our station was located on the northeasternmost point within 40 ft of the sea. We used a DRAKE T4XB and R4B with a P&H IA-400 linear at about 500 watts. The 160 ant was a top loaded vertical with a coil at 40' which resonated it at 1850 KHZ. A small coil at the base was used for Fy. changes and a matching coil was used to match the 52 Ohm cable. A series capacitor allowed it to operate on 1996KHz. The ground system used 40 radials of No. 18 aluminum wire and 30 to 60' long. 25 of the radials extended into the salt water. As an alternate receiving antenna for 80 thru 10 we used a 250' long wire 30' to 50' high running N & S and fed thru a universal "L" Network

SUMMARY OF OPERATIONS (1) K9CQV/HK/AI (QSL via W8GDQ) This call was first activated Mon eve 0000z only on 160 for the week preceeding the contest. Both CW and SSB Contacts were made monday, Tuesday and Wednesday evenings mostly on the lower segment total 99 QSOs ---- (2) W9UCW/HK/AI (QSO W8GDQ) Used only on 160 beginning friday eve Jan 29 2300z, and then thru the 160 contest weekend. Made 166 Contest QSOs including 36 states, VE1, VE3, KV4FZ, YV1OB ZD8AY PJ2VD HR2HH VP9BO, OKIATP HB9NL, PA/PA, PY1MGF W4BRB/VP7 Q88V and OK2BOB. Three QSOs before test, Total QSOs 169. --- (3) HK/AI (L via W9WHM). Victor operated our station under his own call on 160 for about an hour to give about 40 suprised stations a reason to check 1827 a weekday night. (4) K8HKB/HK/AI (Qsl W8GDQ) This was used on 80 thru 10 meters beginning Sunday Jan 24th CW & SSB QSOs on the 5 bands, total about 600. (5) W4KUS/HK/AI (QSL W8GDQ) same as (4) except 40 QSOs. NICE WORK FELLOWS!!!! As a sidelight, Ed/WA4SGF spent a whole night at Miami Inter'n'l airport, meeting, helping the boys who missed their flight, arranged to hv DELTA put them up at "Everglades". Took them to the TROPICAL HAMBOREE Sat AM. Met W4DQS who was great help too, HK1QQ and many others. Ed Especially went "All-out" and all are very grateful to him. He, Wa4SGF made first contact on 160 too!!!

CQ WW. 160 DX TEST ***** As usual was a wonderful "DO". Blessed with good conditions the first day, much DX was worked. QRN on the second day cut the rate of QSOs greatly, nevertheless, things were in full swing. CQ/Chas/W2EQS will report fully, while we here will record only a few items. The JAs 3AA, 7AO, 6VA, 7HQP & JH1KIH were vy busy. CR8AG was reported "On". ZD9AY & FB ZD9BM were on. K1PBW & W1HGT wkd VK6NK & Hrd UK3XB!! Willie/W8GDQ wkd this string::K9CQV/HK/AI, W9UCW/HK/AI, W4BRB/VP7, KV4FZ, VP9GR, VE4AH/W7 PY1MGF, PJ2VD, G3SED, YV1OB & Hrd 9L2NN HR2HH - Nice!! JOHN W6JHV/W7 WYOMING Gave a lot of the boys their last needed state for WAS while working 127 QSOs in 6 Countries using dipole 30' high. DX wkd W9UCW/HK/AI, KV4FZ, 4, KH6s, W4BRB/VP7. Nice John!! W3IN/DON in test wkd 19 DX stas including KH6LJ First Night of test FANTASTIC, second a disaster with S9 QRN only 1 contact per hour for last 12 hours. 264 QSOs 60 Mult 40,800 Points.

NEW ONE ON 160 - W4QJET Ray using loaded hy-gain tower wkd 92 QSOs in CQ DX TEST. " I was not exactly "Pro" in my operating, really enjoyed, looking forward to next year". --- OKIATP/Jardy 158 QSOs, 12,820 points VFB!! --- W0PSF/Larry, 201 QSOs, 44 States, 3 Prov, 6 DX. his 1/2 Wve vertical 4 DB better than 1200' L.W, --- TOM/W3FE:: who is getting ready to move to Fla worked some goodies VO, VP, VE4/W7 G HB, HR PJ. Av S6/7 Signals VFB!!! --- ~~XXXXXXXXXXXX~~ ----- OELKU/Willey made 85 QSOs, 3376 Points sez vy QRM. Now has two transistor portables and goes to the mountains every Sat/Sun, sez Nice Hobby -- HAPPY Times on 1.8 Mc wkd 12 countries!!!

REGULATIONS CHANGES!!! Effective May 1st FCC issues new set regs changing some Fys & Pwrs. Most important is the change from high end of band to the low end for the following:: ARIZONA CALIFORNIA * NEVADA * WASHINGTON. 19 States have had their power increased. The principle effect is on the West Coast where the change to Low end will cause a necessary realignment of the 160 meter TRANSPACIFIC tests. (Incidentally JA is trying to get a LF also for their operations, of 1825-1830 KC for the DX Window- S000000 everything may work out very well indeed - hope so. See mags for the full "scoop"

A NEW ONE !! COCOS ISLAND TI9CF !! Was around latter part of FEB, worked about 35 QSOs including W2BP/A1, Wa4PKP who encouraged him to get on, Wa4SGF, W4EX, W9UCW W2IU, K2GAL, W1WQC, W8GDQ and others. This just goes to show how exciting news can develop suddenly & Unexpectedly!!

SPECIAL "F.O.C." 160 METER AWARD Beginning APRIL 1st, Willie Windle F.O.C. Hon Secy announces a 160 meter sticker "AWARD" will be available for all F.O.C. Members who thereafter work another F.O.C. in 12 different Countries. This was made known at a party in his honor at 160 meter DXer W1PL's/Laci's house March 30th with other 160 meter DXers W1HGT/Ralph, W1BB/Stew present - besides lots of F.O.C.s. Willie is having a month's trip visiting HAMS all over the USA!!

TRANSATLANTIC

TRANSATLANTIC FROM IOWA!! de W/WFL/Jim!! "I never hv hrd the band open to Europe so often. QSO'd GM3YCB DL9KRA, Hrd EI9J EI9J/Dec 31 ----G3SZA/OLI//Jan 10 ---GM3YCB//Jan 13 and 17 Real Good!!!

DON/W3GIN WORKED, GM3YCB PY1MGF HB9CM VP2AGA//Jan 17th

K6DDO/Dave HOPES TO WORK TRANSATLANTIC FROM CALIFORNIA He hrd OK1ATP Dec 30 1829k 0535z thru Ioran then faded out. "Ja3AA, 6000 Miles is solid 569 so believe can QSO Eu if right fy at right time!!"

666STANDING 160 DXer OK1ATP/Jarvey:: Is working VFB Dx - w/ZD8AY 1/25, W9UCW/HK/ 1/31 and many others. His signals hrd by VK/swl George Allen for 5 days running. Made 37 DX QSOs in Feb. QRV Daily

TRANSATLANTIC DX TEST No.4 FEBRUARY 14th:: Had UNUSUALLY GOOD conditions to Eu resulting in many many good QSOs. W1BB with inferior set-up made 7 QSOs including DL/OK/G/VP2. Everyone had much FUN!

TRISTAN DE CUNHA ZD9BM/Roy ON TOO!!! Had half a QSO with Wa4PKP, Wa4PKP - keep an ear tuned!!

ANOTHER VFB G/swl REPORT de NORMAN SMITH:: JAN/24-W1HGT, PL, BB --JAN/31-KV4FZ, W5RTQ, W0YYG. MAR/7-W1HGT, EXI, BB-W2BP, Wa1EVZ, HR2HH, Wa4SGF, W1WY, W3RUQ, W8GDQ, W2KHT, W2IU. Norman expects w/low sunspot next year a few breakthroughs to the West Coast W6/W7. Norman has been faithful SWLer many many yrs

TRANSATLANTIC TEST No.5 FEBRUARY 14th:: Condition only fair resulting in only few transatlantics However PY1MGF in Rio worked a nice string W1BB, W4EX, Wa4PKP, W1HGT and K5TFG. Reporting heavy QRM PA//SWL - NL216 DICK WILLIAMS:: ARRL CONTEST//KV4FZ, K1PBW, W2DXL/2, W2FJ, W3GM, K2IA, Wa4SGF, W4YSD, Q W4AKW, W8GDQ, W/JIN, K/ZZH. DEC27::K1PBW, W1HGT, K4BG, K4PI, W4QCW, W8AH. JAN17::W1HGT. JAN30::KV4FZ. JAN31::W1HGT, K1PBW, W5ZAQ, KV4FZ --FEB7::W1HGT, W1BB, W2IU, W2BP, W2UEZ -- FEB14:: W2BP, W1HGT, K3ZUG, W4EX. FEB 15::W1HGT. FEB20::W1HGT, W2IU, Wa4SGF --FEB21::K3MBF, Wa4SGF, W2BP, Wa4PKP, PJ2VD, W8ANO, W1PPN. --- FEB22::W1BB, W1HGT, K3ZUG -- MAR7::W1BB, W1HGT, Wa4SGF, W2BP, Wa4PKP, PJ2VD, Wa1EVL, W1WY, K3ZUG, HR2HH, W8GDQ. Dick uses an indoor JOYSTICK antenna & Sammerkamp FR-DX-500 Rx. Swl W1HGT is best station this year.

HB9CM/PHILO REPORTS:: "Not very active this season QRL in East Pakistan - also condx not too good however QSO'd L4, W/VE stns March 20th an unusually good night during ARRL TEST. Receiving condx good at my new QTH. Had skeds with JA3AA, W6WNE, VK/VL but ND - however did hear my first VK station VK3SD!! Had partial contact with ZD8AY MAR 19. My interest not lagging and hope to hit hard 71/72"

LOOKING SOUTH

PY1MGF, RIO DE JANEIRO:: JAN17 wkd VE3QU, W1HGT, W9UCW, W8HID, K6CRJ, W2IN. Heard: W8GDQ, W5RTQ, GM3YCB/399. Sez "Hv QRM hr on 1st 5Kc, use use over 1805Kc in calling. Also note new QTH for QSLs which will be ALDO, BOX 51-zc-cc Rio De Janeiro, Brazil.

HOME O SPAIN, TRINIDAD, YLANN/Jin Pafford:: On w/Inverted Vee 70' High & ARC5TX/RX 10w on High Hill

CONGRATS W2BP/A1:: QSO'ing ZD8AY, 0115z, 2/FEB-5100miles for Country #32 GREAT!! Congrats ZD8AY also

De PY/SWL ROLF RASH:: Expecting his license now in a few months. Has noticed a lot of "One-Way" skip this season. His "Dream QTH" faded. They wanted too much money for it. But hopes to buy a home soon and will install a vertical since he feels they do the best job. He may even have a /1 QTH first. Rolf has been a very FB SWL - now to real HAMMING. The "Three-Horsemen", most active pys, Rolf Rasp/SWL, PY1MGF/ALBO and Hercilio/PY2EJH recently had a "Get to gether" to "Case" 160!!

CHEERS ZD8AY/Roger(G3UPK-ZB2AY GW3UPK) ASCENSION ISLAND:: QSO'd Wa4PKP For No.1, #2/K2GNC, #3 W2BP also KV4FZ and since has been putting Ascension Island "On the 160 meter DX Map" with a resounding performance and numerous "FIRSTS": ZD9BM/Africa, G3CYW/Europe, KV4FZ/N.America, Wa4PKP/USA and also QSO'd, the following thru FEB/20th. G3SED, LYW, YDX, OLI, VZY, XTJ, XHI, ORP, GW3VPL, E18H, GM3YCB, OK1ATP, PY1MGF, OK2BOB, W9UCW/HK/, EI9J, K2GNC, W1HGT. Roger says would like skeds with Asia and Australia. Transmits to Eu on 1803 Revs on 1827 --- To USA Tx on 1827 Rx 1803 & 1899/1997 QSL La Kerly Box 125 Simpsonville, Md. 21150. A wonderful show Roger- Congratulations. On 'til OCT and Roger expects to activate another and make rare DX QTH next year!!!

NOTE ZD8AY/Keith (W1BB):: is getting interested in getting on 160 - maybe soon!!

MORE de ROLF RASP:: Sez PY1MGF, Feb 14 to Apr 24th had 53 DX QSOs w/28 Different stations G7W/LU

STRICTLY TRANS-EQUATORIAL TESTS:: (See next page)

4.
STRICTLY TRANS-EQUATORIAL TESTS, Organized by Rolf Rasp PY/awl and EI9J!!! will be held daily during June between EU and PY and all Southern Stations 0000-0030Z daily. EU will Tx between 1825-1835Kc. PYs Tx 1800-1810Kc. If successful, will carry over into July. The summer months are best for N/S Dx Paths. Last year on similar tests, 12 different Europeans were worked by PY stations. EI9J was worked regularly. Active PYs are PY1MGF, PY2BJH, PY2SU and PY2BKO. This season should be a real good one. Send reports to Rolf Rasp Box 51-CZ-00 Rio De Janeiro to reach him before July 31st for writeup in Magazines. Best of Luck to all participants.
FIRST EVER SSB/160 ASCENSION QSO ZDEAY/#ZBP::: April 12th 0045Z sug 46 and 55 - Nice Work Boys!!!

PACIFIC and TRANS-PACIFIC

NEW STATION W6NJU/Gary::: On 160 - wkd 33 states, 8 Cntries now trying Trans-Pacifics - luck!!!
TOM GALLABHER W6KWE::: in CQ test wkd 7 JAs plus 9 other countries. Now has 18 Countries. QSO'd VS6DO!! (W6VSS made FIRST VS6/6 ever a few days before the test). TOM and W7DOL/6 were also Hrd by ZS6BT. NOTE THIS!!! Tom plans to put up phased vertical towers in Santa Cruz Mts to wk EU. Thinks it can be done again. (W6ML ex W6KIP worked G3PU in 1964!!! for a resounding FIRST EVER!!!) Thinks By boys must use 1801-1805 or 1997-2000 instead of 1825-1827 to get through.

W6AMO/Ken says ONE WAY SKIP::: Very pronounced this year with Eastern stations coming in good, Western stations poorly - observed on East Coast stations, also transpacific KH6 Etc. Ionosphere.
W6JHO/Al Hears well::: Hrd PY1MGF/339--W9UCW/HK/449,--VS6DO/339. Sez VS6DO uses 1/4 Wve end fed wire. Al uses 50' Top loaded vertical. Is looking for a 200 Watt final Can anyone help?? Plans to move QTH to 20 Acre property - then watch the 160 meter antennas grow and grow and grow!!!

SUPER-OUTSTANDING QSO JA3AA and W7ILC JAN 24th::: this Super-Outstanding QSO was recorded on tape when W7ILC's signals 579/599 QSO'd JA3AA 1414-1427Z. OUTSTANDING is the only word for it. (He also QSO'd JH1LKH/459 - his 559) BOTH are to be congratulated!! Shima uses 1KW and Rhombic antenna. Other stations active are JDIABI, JA7AO, JA7HQF, JH1LKH, JA6SA. What a thrill on tape to hear JA3AA rolling in 599!! Note W1BB has cassette tape - available to loan send 40¢ postage. W1BB myself take some personal pleasure in all this, since it was in 1966 that I visited Japan, and those JA boys and helped them get "Hopped up" on 160, Wonderful to see QSOs now so successfully being made. --- W7ILC has the most complete and factual logs imaginable, they are MASTERPIECES Through February and March W7ILC continued to cross the pacific to JA regularly -- nice work!!!

JA3AA/SHIMA REPORTS!!!::: VS6DO HongKong QRV 160! and QSO'd by JA3UI 24JAN @ 1453zm 1871Kv for a "FIRST EVER"!!! Then he QSO'd JA3AA, JA7AO, JH1LKH, JA2CLI, JH3ZP KR8AG, W6KWE/6, W6ITY and W6VSS. VS6DO active every Saturday. KR8AG QRV 1908Kc and has QSO'd over 30 JAs. JA1ABH Agasawa Island QRV/160 1200-1300z, 1910Kc Saturdays thru April. Has QSO'd JA2CLI, JA3AA, JA3UI, JA7AO, JA6KBK, JH1LKH. JDIABO, Marcus Island QRV Soon. --JA7AO QSO'd KH6IJ, W7DL/7, KH6HGM VE7UZ W6RW. --JA2CLI, QSO'd KH6IJ, JDIABM, JDIABH. --- JA3AA QSO'd KR8AG, JDIABM W6YRA W6KWE/6 and heard #5RTQ/599. JDI1KH QSO'd KR8AG, W6KWE/6 Nice work you vfb 160 meter JA Boys!!

LORAN!!!!!! de Bill/W6SAI::: "Stew - a little information on the West Coast Loran Changes. Seems that the change is to tie the Alaskan system directly into the West Coast chain. A new station on Charlotte Island, B.C. Canada will complete the link. As of May 1st transmissions will start on 1950 kHz and within a few days thereafter the 1850KHz west coast chain will close down. The Hawaiian 1850 chain will continue to operate" - Nice Bill, thanks a lot!! Luck with new Fys!

WAY DOWN UNDER

VK/6 SWL GEORGE ALLEN REPORTS::: EUROPEAN TESTS!!! During December, 22 openings, and 8 in January up to 11th. This is better than the 1969/1970 TESTS!! GM3YCB was the "Star" and eventually QSO'd CK6NK. VK6NK also QSO'd G3OLI to give him his WAG/160.

JOHN/VK5KO PATIENCE AND PERSEVERANCE HIMSELF!!! Listened in 15 to 20 minutes each day for 348 consecutive days and only heard DL9KRA and DRJ twice! THAT'S real patience and perseverance!!!

VK6/SWL ALLEN REPORTS CQ DX TEST RESULTS::: Near 2Mc on the 30th Jan heard W7DOL/6, W6KWE/6, W6YRA, W6JNR, W5RSZ, W5SEB, W9YYG and W4BRB/VP7 all in one hour. On the 31st Hrd W4BRB/VP7, W6KWE and KH6IJ

VK6/SWL ALLEN REPORTS AGAIN!!!::: "Things pretty erratic since end of January. A few openings around March 17th EQUINOX. Heard W4EX/S9, W5RTQ, W6NPL, W6KFX, K5TFG, W6QNT, G3OLB, LYW, XTZ, G6BQ, GN2XJC" Excellent work George - keep it up!!

MISCELLANEOUS

KENYA/5341N is expected to be on 160 soon. Here's hoping axwe need more AFRICAN stations.
QAS BAKAK NON W/NMH/L:: getting back on 160 from Fort Bragg/N.C. w/2500' Beverage antenna.
WV/Chas:: Has 9 Countries w/27watts to 100' wire 20' High - Not Bad!!! Congratulations.
WALDO/WBANO been working out VFB Many Gs, OK, DL, GM3 PJ2, HR2, PY2, K9cqv/HK, HK/YV1 VP9, W9UCW/HK
NEW STATION W7HZL/A1 IDAHO:: on soon w/valiant, Kenwood Rx and Inv Vee - this'll help state chasers
TERRY VE8OK is on!!! :: Put his antenna up in 40 degrees below zero weather!! Will be looking for East Coast stations. VFB!! (De VE5XU/Gordy)

VE5XU/GORDY IS ON::: Doing VFB - Heard JA3AA but no QSO Yet - otherwise lots of QSOs - VFB!!

160 METER ANTENNA TUNER MODEL 64MV::: By Marty Hartstein W6NWW will resonate almost any 40 or 80 meter dipole, beam or Quad to 160. A real handy gadget only \$45.00 too. A quick and easy way to get on 160. WRITE 5349 ABBEYFIELD ST, Long Beach, California 90815

CONGRATULATIONS Wa4PXP Jim. NICE WORK!!!!::: On a real choice string of DX this season. YV1OB, OK2BOB, DL9KRA, ZB9AY!!! (QSL via K3RLY) HK/AI, EI9J OK1ATP, 9Y4NN, KH6IJ!!!, HB9NL, PY1MGF, TI9CF, GM0YCB, G3RKJ, SED, XHI, YRO, OLI, RCE/A, HR2HH, W4BRB/VP, TI9CF/TI9J EXPEDITION. Fine Jim Keep up the wk!!
BEVERAGE EXPEDITIONS by K4DCF/Tony::: Who made weekend trips into the Mts at his hunting cabin to string up beverage antennas on poles across lake, and through woods. Encountered all sorts of snow hazards sinking in snow up to knees, waist etc and worming on back over snow through the bushes. One night heard a signal, the other night only a thunderstorm. Beverage loaded up well on transmitting, but had forgotten key!!! Says he now has real sympathy for Godley and his beverage problems. Tony vows he'll have a good one up for next season, with transmitter maybe!!

Procedures will be the same as for TransATLANTIC tests. Call 5 minutes, listen 5 minutes 3. w/ We leading off. However 1907 $\frac{1}{2}$ -1912 $\frac{1}{2}$, because of LORAN on 1900Kcs here on East Coast USA makes a QSO practically impossible - even if the signals get thru all their other hazards. Set clocks accurately and keep specifically to the allotted times. FREQUENCIES are as follows: West Coast 1800-1825 --- JAs 1907 $\frac{1}{2}$ -1912 $\frac{1}{2}$ (Very poor Fy) --- W/VEs East Coast 1800-1825 --- ZLs 1876-1886Kcs --- VKs 1800-1806Kc ----- SPECIAL JA/W tests are suggested at Japanese SUNSET Time as follows: Nov-0746gmt, Dec-0728gmt, Feb-0807gmt, Mar-0836gmt. This is 11.46, 11.28, 12.07, 12.36 West Coast USA STANDARD times. Duration of TEST period suggested is 11.30PM to 2.00AM Friday/Saturday W6,W7,VE7 Times. This is 4.30-7.30PM JAST. Fifteen minutes before sunset time to an hour after sunset seems best. Set clocks carefully before the tests by WWV/Denver Colorado, WWVH/Hawaii or Canadian 7333Kc "Time Ticks". ----- BEACON STATIONS which are helpful for checking band conditions are: KPH/2045Kc/S.F./Pacific Coast. WNU/2048Kc/Mid USA/Gulf Coast. WWVH/2500Kcs/Hawaii. WCG/2036/East Coast DISCONTINUED. These stations are on 24 hours a day sending messages, ships traffic lists etc etc ----- REPORTS may be sent to your favorite NEWS MEDIA direct, with copy of anything unusual to WLB for this BULLETIN. ----- We East Coast boys are most anxious to work JA on 160!! But it will apparently depend on some favorable combination of conditions. Maybe where we cannot pierce the Auroral Oval, we may get signals TANGENT to it, or a carum shot around it. ----- BEST WISHES to all for a wonderful TransPACIFIC DX season!!!

East Coast --- TransATLANTIC

TERRIFIC SUMMER DX OPENING (de W2EQS) -- July 4th W1HGT QSO'd 11 stns and hrd many others. W2EQS QSO'd EI9J & GW4AEC. W8ANO QSO'd G3SED. KV4FZ QSO'd 3C1EG, equatorial Guinea in Africa. G/swl NORMAN SMITH -- Jul 25 Hrd W1BB/1, K1PBW, W1HGT, K3MBF all 459 w/QRN. Morn QSLing many Yrs. BAHRAIN/MP4BJI/JOHN/(G3PQA) ON 160!!! -- Congratulations to John on the "FIRST EVER" 160 meter QSO fm BAHRAIN when he worked early in August, OK1ATP, OK3TOA, OK3KIO, GW4AEC, EI9J, all 579. John subsequently wkd K1PBW and KV4FZ only TransATLANTIC QSOs. Unfortunately he QRTs September 1st. WAC on 160 de K1PBW/Ernie ** completed August 17th when he worked MP4BJI/BAHRAIN on 160. wonderful!! Ernie. That new 133' Vert w/80 Radials sure is working out VFB - Congratulations!! ISRAEL 4X4 TO BE ON 160!!! -- Thanks to his faithful perseverance and arid interest, Riki/4X4NJ Ashdod, Israel has obtained from the Israeli authorities temporary permission to operate on 1800-1830 & 1870-1900Kc during Contests only. He may be allowed some other time for tune-up & test. He now has Crystal for 1827 $\frac{1}{2}$ Kcs and is building rig. His friend and Contest station 4Z4HF is also planning to be on 160. Congratulations Riki on a job very well done - now for the fun!! WOW!!!! KV4FZ MAKES WAC on 160 in 24 HOURS!!! -- ~~WAC on 160~~ (Who sez 160 isnt a real DX band?) In August, (17th believe) QSOing GW4AEC-MP4BJI-PY1DVG-ZD8AY-VK6HD-Wa4PXP ASTOUNDING!!! CONGRATS!!! W1HGT/RALPH CHALKS UP VFB RECORD -- wkd PY1MGF, BJH, 2BKO - GW4AEC, 3YCB-DL9KRA-EI9J, 8H-EP9AY-QA8V, OK1ATP and 15 G stations in August. Ralph has a real nice station - WONDERFUL!! CONGRATULATIONS YARDY/OK1ATP -- whose outstanding signal and work on 160 is admired by all. He & xyl DANA were married July 17th - Great!! Sez he will be active almost daily on 160 this coming season looking especially for W5,6,7,9,9, KH6, KL7, JA, VP. Yardy has made a special graph, showing times & seasons to wk JA, VK6, KH6, ZL, KH8, W, HR, KV4, PY from OK - a real "Engineering" production!! GM3YCB/Stuart -- wkd 8P6DR, PY1MGF, Wa4PXP in MAY - nw only needs ASIA for WAC - Nice going!! G3YMP/PAUL -- Expects to be active this coming season OK1DKR/RUDA -- in one year on 160 w/10 Watts QSO'd OK, DL, G, OH, PA, GM, EI, ML, 4U1, HB -- 10 countries and all continents except Africa and Oceania. Best signals hrd W1HGT & KV4FZ. Watch for Ruda! FB. RELIABLE G/swl NORMAN SMITH sez "The DX has been suprising this summer - I feel that 160 will be very good this winter. Heard in August - W1BB/1 K1PBW, KV4FZ, MP4BJI, PY1DVG, VP2SAM" - Nice going Norm - keep up the good work.

West Coast -- TransPACIFIC -- Far East

JA/ST COAST de Wa7ILC "Believe TransPACIFIC JA work is about finished. The new LORAN stn on 1950 Kc is so loud that even on JA 1907 $\frac{1}{2}$ -1912 $\frac{1}{2}$ Fys, the BUCKSHOT is terrific" (See herein later) KL7HEE/Fred (Ex K3TUA/KL7) -- Will be active this coming season - nw listening - hrd PY2BJH/439, KV4FZ/559 - W4EX/579 etc etc. W1 hv 1/2 wve Inv L 90' High on 160. Checks 160 for QSOs 1804-1825 daily 1000s, weekends 0500-0700 & agn @ 1000s. QTH Fred Race, Univ Alaska % Rainbow valley Trailer 86NW loaded 60' vert & w1 b active on 160 this season - best luck!!

HAWAII / KH6HCM (W7ULP) GARY -- Will be on 160 again this season. Hopes "the boys" (Ws) 4.
won't forget him at the high end of the band 1995-2000Kcs. (Hawaii not being moved with the
W. Coast stations to the low end). And HEAR THIS!! Gary is planning a DxPediton to the
British Phoenix islands during OCT CQ/WW/Contest, if he can get license and if unable then to
KURE Island. His "Gear" is ALL READY TO GO now - Best of Luck Gary - we'll be a listening.

HONG KONG and MACAO ON 160 !! by W6DX, Bob Denniston, Pres ARRL, who on his far East trip
from VS6DR, Mar 24 wkd JA3AA, UI, JM-1LKH-7AO and fm CR9AK MAR27 QSO'd JA3AA, UI, JM, AHQ, DY, OLI, YTG,
7AO, MJ, DVE-8RP, FBH, 1LKH, DL. (This info fm JA3AA who sez KR8AG & YAB also active - nice going!!)

W6NUT/TOM GALLAGHER (Ex W6KWE, W3DPJ, K4DRO) -- Reports DX this summer has bn great!! Wkd VP8ME
for a FIRST W6/Antarctica. Also PY1DVG, 2BJH-VK3ATN, KL7CL-ZL1AYG, OASV-KL7HEE-ZK3AML-KV4FZ with
GOOD signal reports. Hopes to wk EU this coming season - VFB work Tom - Keep it up!!

FIASH!!!! JAs ALREADY WORKED TransPACIFIC THIS SEASON on 160!!! Via Wa7ILC we get the great
news that the path to JA is open and on AUG28th W6NUT/Tom wkd JA3AA, 7AO, 1YAC for the season's
FIRST crossing. Considerable worry was given to the fact that LORAN has established a new and
powerful LORAN station on 2950 Kcs which it was feared would be impossible to work through to
the JAs on 1907 $\frac{1}{2}$ -1912 $\frac{1}{2}$. However this proves that the LORAN can be wkd thru so the annual
TransPACIFIC DX TESTS will go on. (See announcement elsewhere)

"TERRIFIC SEASON AHEAD"!!!! -- So Sez W6NUT/TOM who 8/21-9/3 ~~Wkd~~ wkd VK3CZ, VK5KO, VK6HD, KL7CL-
JA7AO, 1YAC, 3UI & hrd JA3AA. Band was open to JA-VK-W3-W1 all at the same time. JAs wkd VKs too.

JA3AA/SHIMA REPORTS AUG 28/29 ALL ASIA 160 TEST ** VK9GN QSO'd JH1LKH-JA3AA, UI, JM, DY-JA7AO-JA6KBK
JA3AA QSO'd:: VK9GN, 5KO, 3APN-KL7CL-W7DL ---- JA3UI QSO'd:: VK9GN, 5KO-W7DL ---- JA7AO QSO'd:: VK9GN
VK5KO-W6NUT-Wa7ILC-K6DQ ---- 9H/LHK QSO'd;; V9GN SSB&CW and VK5KO. Sure a "hot" conditions.

"WAY DOWN UNDER"

SUMMER DX - CONGRATULATIONS TO Wa7ILC/GRETT for his QSOs with ZL1AYG Jul 11th 1226z 1803/1877
4/449, and again 559/559 18 JUL. QRN Crashes terrific, but perseverance pays off. (W6KWE/Tom
also wkd ZL1AYG 579x2 as did KL7CL/Jack @ TALKEETNA Alaska, and K6DQ/Dave. Hot Band eh??)
Additionally Wa7ILC has wkd PY1DVG 569/579, VK3XB 339x2, VK3QI 459/449. (W7DL QSO'd ZL1AYG Jul30)
On FIELD DAY Wa7ILC hrd VK3ATN but did not hv a TX covering 160 - Tears!!

VK3CZ/INGHAM on 160 !! and is thinking about ~~BEVERAGE~~ BEVERAGE0 - vfb -Presently using
260 foot by 50 ft dipole. Keep an ear for him.

WHOOPEE!!! ANTARCTICA OUTSTANDING "FIRST EVER" VP8ME WORKED ON 160 BY KL7HEE ;; On 16JUL71,
1815Kc CW and 2xSSB QSOs 5x2 took place between KL7HEE/Fred using 100w dc and 1/2 Wve inverted L
90' high, and VP8ME/Jay/5x5 at the BYRD station Halle Bay Antarctica. This is next to the greatest
distance ever worked on 160 and shows the ultimate in operating ability and conditions. (G to VK
is greatest distance) Hearty CONGRATULATIONS to both. VP8ME used a CW teleprinter since he does not
copy code over 3 wpm. Wish ya'll could hear a FB tape of this that Fred has - Super!!!

de ZL1AYG/TONY:: "My new vertical, although only 66' base loaded is working out well. JUL-11
QSO'd W6KWE, KL7HEE, W7SFA/Gordy and for what is a FIRST EVER OASV. His sigs 589, mine 469,
1804/1877Kcs. 160 is CAPRICIOUS!!! I hrd W1HGT, Wa4SGF also !! What is best fy to work 0,1,2,3,
4, etc?? Can use 1875-1900Kc. (Try 1875, but very poor chances account of LORAN on 1900-Ed)
Fun working DX "The Hard Way" - Lots of VKs on now, some looking for DX. Am QR! 0730-1200z FIR SA
FRI SUN!" VFB!! ZL1AYG also wkd PY2BJH JUN21, another FIRST EVER!! Tony uses VFO 1875-1900kc-150

VK6/SWL No. 16042 GEORGE ALLEN:: Continues his outstanding propagation path studies and TESTS.
Geo. presented VFB curve & Data on W path in last BULL No.3 -- and also expects to hv article
published soon on the VK/EU 160DX path - Has forwarded some choice items of info. OKLATP did
not make VK yet, but further tests are planned. During MAY VK6HD and KV4FZ hv bn skedding 0930-09
gmt along "Shadow Edge" path but no results yet. Sez; "KV4 is about as far as one can go being
almost 12 hours behind VK. I did get KV4FZ's signals weak tho readable on tape" --- VK5KO/John of
V6160 fame has bn back on "Just couldnt resist the lure of 160". "JUL30 produced W6PSF, 4EX, 7DL,
7LW, Wa7ILC hrd - the 7s had outstanding sigs S9 peak and in the course of 90 mins o11 QSO'd
ZL1AYG, IMQ". My report to Wa7ILC produced QSL & Ltr on teletype paper 3 $\frac{1}{2}$ ft long!!! ** -"The
VK gang missed this FB opening" --/This summer DX bears out what W1EBB has said in the past
about the path being open to VK/ZL then, also about the VK6/W path - it is nice to prove theories

SUMMER DX - CONGRATULATIONS-LARRY 90toF and VK3ATN:: Who made QSO June 20th 1045-1125gmt w/signal
359 both ways through heavyQRN. This was the FIRST "Way down Under" DX reported this summer,
both deserve much credit. Keep up the good work!! -- He did and QSO'd ZL1AYG 1125z JUL23, copied

LATE NOTE PY/ZL:: ZLJAYG/Tony was finally worked by PY1DVG, PY2BJH, BKO. CONGRATULATIONS ALL. 5.
Cautious and persevering attention to schedules finally paid off!!

EARLY OPENING VK/W:: As Waldow/W8ANO says after wkg VK2PMS, 3QI, 5KO - 28/29AUG and a lot of other
dx stns too. "I NEVER HEARD SO MUCH DX IN THE SUMMERTIME". Chas/W2EQS feels the same, after
QSOing much DX plus VK2BM & VK3CZ AUG29/30 - sure looks like FB season ahead.

VK6sw1/ALLEN:: "Hv obtained an old LORAN receiver-hope to use on 160 - if can get 360/2640 CYCLE
power supply". Tax a lot Geo. -- will be looking for your article on VK/EU. Keep up the good wk!

LOOKING SOUTH

SUMMER DX BY W8ANO and A FIRST:: When Waldo QSO'd ZP9AY/569 and hrd PY1DVG/559 - PY2BJH -
PY1DVG/569 all around 9PM EDST time 10 Mins before dark - nice work!!

ANOTHER "FIRST": Wa7ILC QSO'ed OA8V ~~000~~ 349/349

ZD8AY/ROGER:: is going to MP4 - hopes to be active as MP4B (HAS been - see elsewhere MP4BJI)

SAN ANDRES TAPE by BARRY W9UCW/HK:: Circulated to a number of the outstanding signals HEARD
down there is an unusually nice job/ It makes one feel as though they were actually there!!
Believe Barry will loan it to you if safe return guaranteed. (See next item below)

IMPORTANT SAN ANDRES W9UCW/HK:: Will AGAIN be on, last week of DEC/first week of JAN 1971/72!!

PADDY/EI9J and DX SOUTHWARDS:: "Conditions JUN fairly good most nites & SO.A. boys could be hrd
& wkd. Most active were PY1DVG/Rolf, ~~W2BP~~, ~~W2BP~~, ZP9AY, PY2BJH, ZD8AY, ZD9BM & PY2BKO. ~~W2BP~~.
ZD8AY has the best sub-tropical signal. ZP9AY/Roberto has the best ears, we QSO'd 11 times since
JUN !! VP2AAA (Ex ZD8J) planning 160!! June activity justified the participation - pity more
AF & SA not on though. Am using 136' Zepp as 2 wire End on. FISH on w/66' top loaded, plus Inv Vee

HERCILIO/PY2BJH:: w/1KW Linear has bn doing FB. Through MAR, APR, MAY, QSO'd 32 DX Stns inc ZD8AY,
E1, KV4FZ, the rest being Ws. vfb & Congrats Hercilio. Now pursuing ZLJAYG w/skeds - no results
yet. Sez "With declining sunspot activity we hope to have openings all summer (We Did) to
W & Eu. In JUN QSO'd a FIRST!!! PY/W6KWE QSO plus 14 additional DX Contacts - Nice!!!

EUROPEAN-TransEQUATORIAL TESTS ORGANIZED BY PY1DVG/rolf and PADDY EI9J:: Very successful during
month of JUN. Eu on 1825-1835Kc, Southern Stns on 1800-1810. Active were PY1MGF, PY2BCH, ZP9AY,
PY2SU, PY2BKO, PY2GSS. PY1MGF wkd EI9J on 8 consecutive days - Eu stns QSO'd were; GM3YCB, EI9J,
G3RFB, OLI, SZA, CRP, RXH, LIQ, UXB, SED, GM3WDF, GM3YCH, "FIRST"/DL9KRA, "FIRST"/OL6AKP, OK2BKR, EP2RG/mm.
Nice-eh?? Since JUN, many more QSOs hv bn made by those undaunted by hot humid summer wx - TNX!!

W2BP/AL HAS FB SUMMER:: ~~W2BP~~ wkd So. P0-ZP9-EP6DR etc. vfb. Has got him to thinking he MAY
make a Tour/DXpedition himself this winter to the VP2 Islands. Sure hope you do Al.!!

FLASH!! NEW COUNTRY - YOUNGS ISLAND of St VINCENT & DEPENDENCIES VP2SAM on 160:: Congratulations
and thanks to that intrepid 160 DXer Herb ~~SCHOBBOHM~~ Schoenbohm, KV4FZ whose one man DXpedition
AUG 28/29'71 put this rare new country on the 160 DX map. Good operating, under poor condx of
QRN/QSB gave quite a few of the boys a brand "New one". This QSO Meant WIBB's 109th, and W2EQS's
76th Country on 160. (Now how about DOMINICA, Herb???)

SPECIAL ITEMS

MP4BJI/JOHN/(G3POA) REPORTS:: Making 56 DX QSOs in 10 Countries, including K1PBO and KV4FZ.
He was hrd also by VK abd VE - He Hrd ZS1MH/449-W1BB/1/579 - W1HGT/579 - Wa4PXP/459 - PY2BJH/449
W2IU/569 - W4EX/559 - ~~W2~~ W2BP/559. John was limited for antennas space or would have put a better
signal to W/VE where he was occasionally hrd 229/339 and made only one Contact. This DXing
considering the QTH and Condx is a most excellent performance for 6 weeks operation during the
summer season. "SALUDOS" to John!! Where next to????? Keep up the good wk and tax fm the GANG.

CORRECTION !!! W6KIP, (now W6ML) made the "FIRST EVER" W/VS6 QSO, (Not W6VSS as noted p4 W1BB
Dx BULL No.3 70/71) 3APR 1955 when he worked VS6CQ/Tom Holtart to get a 339 and his QSL card!!

MISCELLANEOUS

VE5XU/Gordy:: Is looking for new and ideal antenna QTH. Also hopes to try hand at Balloon Antennas
Can anyone tell Gordy where to buy them? Write him 3637 Victoris Av. Regina Sask, Canada.

CONGRATULATIONS TO W2EQS/Chas:: who worked his 75th Country in 8P6DR who gave him a 589!! vfb

JOHN DORMOIS (W5)::: Gravette Arkansas Retired APR30 - nw installing 85' tower w/Inverted Vee
Awaiting new call - hopes to be active this season.

W3FE/TOM:: Has retired to Fla per his P/c, "Ibought a mobile (Trailer) home and have it set 6, up on a six acre plot of ground and am up to my neck in junk and confusion. So it will be some time before I can get fired up this winter. New QTH 1428 Laurel Dr. N. Ft Myers Fla. VFB!!!

NICE SUMMER DX de W8ANO/WALDO:: QSO'd G3SED, SZA-KV4FZ-ZDSAY-EI8H-GW4AEC-KP4CDI-PY2BJH, 1DVG-FP4CA-KG4CS and hrd VK6HD, ATU. Nice DX Waldo VFB!!

K6DDO WORKED LAST SEASON:: JAN/FEB/MAR ** JALYAC, JA2CLI, JA7AO EA6KBK also KH6RS, CHC, IJ, HCM. also W4BRE/VP7 - W9UCW/HK6 - KV4FZ - Wa4SGF w/reports 459/579. Not 'bad Eh?? Keep up the good wk DAVE.

MARKER STATION W1AW :: For those who use W1AW for a Fy Mark, please note the exact fy is 1805.76k regardless of the fact that QST gives 1805.0 as Fy. Also note alternate fy 1806.4 sometimes used.

W1HGT's EXCELLENT RECORD:: For month of AUG '71 WORKED EI9J-GW3YGH, AEC - GM3WDF, YCB, AGG - G8SZA, G3ZRH, RKJ, XHI - PY1DVG-VP2SAM, SBG - 8P6DR-VK3QI. HEARD OL5ALY, VK5KO, VK2BMS - MP4BJJ!! G4ADP. Fb

Wa9UET/RAY HITTING 160:: Erecting LW ant pointed East & South. Already hrd ZL1AYG, K4CPI, KV4FZ.

JA TransCONTINENTAL TESTS JA/2u SCHEDULED:: Nov 6, 20-DEC 4, 18-JAN 1, 15- FEB 8, 19. Same dates as TransPACIFIC Tests only time will be 2030-2200gmt. JAs 1907½-1912½. Eu 1827Kc approx.

NEW "ICAA" 160 METER INTERNATIONAL AWARD!!! "THE INTERNATIONAL DX ORGANIZATION":: Sponsored by "The International Telecommunication Union", (ITU), announce an entirely new DX AWARD covering operation on one band, or on all bands, and all modes, based on CALL AREAS, (instead of Countries). Special LOG BOOKS are provided. No QSL cards are necessary. Four classes are provided. ~~Minimum 100 call areas and 500 points. Class 3, 200 call areas and 950 points. Class 2, 300 call areas and 1300 points. Class 1, 400 call areas and 1500 points.~~

~~Minimum 100 call areas and 500 points. Class 3, 200 call areas and 950 points. Class 2, 300 call areas and 1300 points. Class 1, 400 call areas and 1500 points.~~

Class 4, 100 call areas and 500 points. ----- Class 3, 200 Call areas and 950 points -----

Class 2, 300 Call areas and 1300 points ----- Class 1, 400 Call areas and 1500 Points.

160 gets special consideration with 5 points per QSO local and 10 points for intercontinental

QSOs. (Other Bands - 3.5/3 points, 7.0/2 points, 20.15.10/1 point) WRITE IDXO General

Secretariat, P.O. Box 19149, Washington DC 20036 USA for general information and LOG books \$3.00

IF (International call area awards, general records book, plus APPLICATION record book. \$2.00

This should be a real challenge for the DX minded HAMS of 160. Four classifications are available.

use either one 1.CW, 2.Phone, 3.Mixed CW/Phone, or 4.RTTY. (Inx to A1/W2BP and dayton HAMVENTION.

KEEP A LOOKOUT FOR G3ISG:: New 160 D'er who with 10 wats and new 3/4 wave antenna is most anxious for his "FIRST TIMER" Crossing of the ATLANTIC - will be on 1827 every Sunday AM 0300 on. Has KW 204TX and Eddystone EA12RX

PYADVG
Rolf
HERE TIZ copy Bull #2

TS + 6
TNX letter 11/11/71
Still waiting for
of Glossy fix

Scopie's
for Mags
Congrats your VFB DX
Happy 160 Metering
731

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop - 02152 - Mass.

JAN 24 1972

JANUARY 31, 1972

W1BB -- 160 METER DX BULLETIN -- W1BB

1971/1972 #2

Stew/W1BB ----- Nearing the mid-point of the 1971/1972 season, things are pretty good. With sunspots still decreasing, the band seems to open earlier and close later. ----- Some unusually good DX has been heard and/or worked. ----- GM3YCB heard W6DA0/569, VK6HD/589, ----- K6DDO/Dave QSO'd KR8CF/Ryuku -- K6DCF heard JA7AO -- GM3WDF QSO'd VP6NK and hrd VE7UZ -- Z8AY put on a tremendous "show" from ASCENSION, making 252 DX QSOs; concludes that N/S DX can be worked most any time if reasonably good stations are on. This is almost the exact same conclusion EP2BK/VS1LP/9W4LP/W/GTA/Bob came to after working from many DX spots. Roger sez on DEC 11/12, pileups sounded like 20!! ----- W9UCW/Barry's DXpedition put San Andres on the 160 DX map again, (and NOW!) with many contacts. -- VE5XU working JAs and VKs, is making a special try for Eu now. -- KL7HEE wkd VS6DO, all active JAs and Antarctica. The change from the high end 2Mc to the low end 1.8 Mc on the West Coast has in general been very beneficial. -- In spite of the JAs poor spot 1907-1912 Kc, they are able to make QSOs. On the East Coast, what may be a major trend is noted. More stations appear to be working Eu, Africa, S,A, at the USA sunset time PEAK, - 0000-0300, rather than the Eu Sunrise peak 0500-0730z, although some stations hit both especially during contests. -- E18H also worked VS6DO for a very resounding FIRST! -- 160 is undergoing some interesting technical analysis from stations like Z8AY, VK/awl-allen, OKIATP/Yardy, KL7HEE/Fred, VK3CZ/Art, VK5KO/John, VK3QI/Peter, W1BB, and others. ----- ANTENNAS as always are being studied, tested, and compared. The verticals, either 1/4 Wve, or shorter with TOP loading, IF with lots of ground radials, have a bit of an edge on being the best, Vs sloping dipoles a close second, Vs Inverted VEEs high up as possible, then doublets, long wires and random wires coming next. The BEVERAGE still rates No.1, on receiving only. ----- The DX-WINDOW idea has worked fairly well, and as a result DX signals can usually be heard and worked 1825-1830 Kes. HOWEVER, all of us must always keep talking up the idea in a nice way, explaining to intruders continually and asking their cooperation and help, and thanking them. In proportion to how much we collectively and individually do this, will results be forthcoming - it is necessary to keep working on this theme and practice all the time. W1BB has friendly explanatory letters and charts to send to the intruders, explaining and asking their help, and will mail these letters and charts, if you write giving the call, frequency, mode, time, date and any other particulars. Be very sure your data are accurate though!!

NOW fellows, although a bit late - let me wish you all a very HAPPY NEW YEAR

73 de/Stew-W1BB
Stew

TRANSATLANTIC DX TEST No. 1 - Nov 28 -- This TEST was "Washed out" because inadvertently it fell on the same date as the CQ_WW-All Band-CW-TEST. What contacts would have been made, were made as part of the CQ/TEST and it is impossible to sort them out. Six stations were "Present and accounted for" G3ZEN, TSA, EISH, GM3YCB, EI9J, GW4AEC. DHJ was peaking at 599.

TRANSATLANTIC DX TEST No. 2 - Dec 26 -- This should not have been planned for the evening of Christmas day!! W1BB was in Plattsburgh NY spending Holidays with air force son Lt. Col. PERRY just returned from a years duty in Vietnam, Reports to me indicate very few stations on that night.

TRANSATLANTIC DX TEST No. 3 - Jan 9 -- Blessed with good DX conditions, it was a very satisfying event. W1BB made 12 QSOs during the TEST 0500-0730. (Also 10 pre/test QSOs 0200-0500z), three of which were FIRST TIMERS. Stations were so numerous that it was virtually impossible to keep usual calling/listening periods. A real O.T. G6BQ/Jack showed up after an absence of 3 years, still using his rig built in 1930!! (W1BB uses one unit built 1932) -- W9BUDV/589, wkd GM3YCB/569, his FIRST Eu!! also 8P6DR. Hrd FY1DVG, HR2HH and G3XVX, using 200' vert - nw has 15 countries/160) --- RAY/WA9UET, a newcomer to 160 is doing VFB using L.W. 15' high NE/SW for receiving. A "HY-TOWER" for Trans. During TEST Hrd HB9NL, EI9J, G3SZA, YUV, XVX - QSO'd FY1DVG, 8P6DR, KL7GKY plus 9 other DX Stns. L.W. acts like small BEVERAGE most excellently on ALL bands. Ray Sez - "Having FUN on 160"

LABRADOR VOZAF ZONE 2 w/130' end fed against plumbing w1 b active, per Gene/W4BRB

AN IMPRESSIVE RECORD de OKIATP: Jarda reports Jan/68-Oct/71, 220 QSOs w/Ns, W1HIT/21 times - W1BB/18, K1PEW/17, WA4SGF/13, SUMMER/71 FY1MGF, FY2BGH, W1HGT, ZP9AY, FY1DVG, W2IU, K1PBW, WA4BJI, W1BB, WA4SGF, W2ANR, W3NPV, W2EQS -- has SWL exds for VK6/swl/Allen & JAL-11117 - total countries w/8P6DR is 36 - Now operates TWO stns OKIATP/P at work & OKIATP at home. Jan 8 Jarda wkd VK6NK to finish his WAC - CHEERS!! Nov 10/Dec, 12 new ones logged.

Eu/SWL DICK WILLIAMS, NL216 is doing fine job. Logged OCT/17 W1BB, HGT-K1PBW-K3NPV-W3IS, /using FR/DX500 Rx w/ "JOYSTICK" ant. Since then to date has logged K2GNC, W3IN, W2QD, K4VCQ/5, W2UEZ, W3GM, KV4PZ, W2IU, W8ANO, VE3EK, 8P6DR, W9UCW, K2ANR, K2GNC, Wb2MOL, WA4SGF, W2BP, W4VZQ, W2QD, VE1ASJ, W3BE, W9YT, W1CBG, W1WY. Dick intends to be on hand every weekend. Nice SWling Dick!!

FANTASTIC NIGHT OF OCT 26/27 de W3IN/Don: Worked G3RKJ, LIQ-EI9J-EISH, -GM3YCB-GW4AEC- Hrd ZP9AY, & VAA. Lots of QSB/most stns peaked 569. ---- Nov 4-7th wkd 12 DX QSOs inc Z88AY & 8P6DR.VFB!!

G/swl NORMAN SMITH STILL AT IT: Oct 31 hrd K2ANR, K1PBW and Z88AY - vfb Norm keep up the good wk.

DL9KRA/Jan MOVES QTH (Now DL9KR): from New Isenburg to WIESE, DEN, in wonderful flat on top floor of apartment house. However Jan says it is inferior QTH for 160 antennas - but w1 try to get on 160. Plans trying some UHF 70cm & 1296cm for a change. But Sez "A dyed in the wool 160 meter HAM wont ever escape the call of "Sunrise Peaks". CONGRATULATIONS JAN!! on new jr op Jan Hendrik 8lbs. (Now we understand your long period of silence), also on FIRST USA/DL SSB E/K1PBW/58 Dec '70- K3MBF/ssb Jan 71--FIRST EVER JA3AA/DL Jan '71 1908.4Kc 579/569 -- Z88AY Mar '71. Sez "W1BB/Stew, I see your tower often when landing at Boston, even see it on radar before we see it visually, what a SPLENDID QTH!! - Pse QSP my greetings to all my 160 friends in 57 Countries, 143 prefixes, and all continents p hope to fire up soon even if with a teeny-weeny signal, and am trying for another 6W8CW this winter" - VFB Jan the whole gang sends greetings and sure glad to hear from you.

W1HGT/RALPH REPORTS: SEP Made 13 different stn QSOs - October made 15. Now has T4IB w/ssb/cw -FB!!

NEW STATION HB9AJU/Gerald TO BE ON 160: (Formerly operated 4ULITU) w/17wts, ant at Chalet. To use LARGEAR TOPBANDER Tx, SK117w/Preselector & L.L. Antenna. (Will try to improve ant). Has already worked Eu stns. Sez the following HB9 stns are active in order. HB9CM, NL, AJU/p, ANW, DD, UD, CL, YL.FB!!

ALL OE 160 CONTEST NOV 13/14 WILLY OBIKU REPORTS: That it didnt go too well this year due to poor condx and fact that OK also had their international contest on during same period/QRM Vy strong.

GUANTANAMO BAY CUBA KG4CS/Barry Ex/K4CSY: Has intended for 10yrs to go TOP BAND - Nw at GTMO has 275' Windham - 70' high over salt flats - fed with ART13 - Rx double Conversion RBD into SX43. Barry has created quite a stir this summer & fall giving many a new country. QSLs 100% Box 34 US Naval Base FPO NY 09593. Sure nice to "have you aboard" Barry!!

WELCOME NEWCOMER WA1CUN/MIKE: Who with HQL70 & 157' LW & open wire feed w/Tuner hoping for sus DX!!

SWITZ LAND HB9CM PHILIP: w1 b active agn from chalet at Planchettes w/560' LW & also dipole - Also from home QTH/Agerten on 1927 mostly but also 1928.5 & QSX 1800-1810. Hopes to put a bigger part of his time on 160 this yr - wks other bands too - ALSO!!! NOTE!!! Phil will be QRV DAILY on 1827Kc Listening 1800-1805 from 0515 to 0535gmt. Here's that chance for your HB stn fellows. VFB Phil.

GARY/K1KSH/CONNECTICUT = Has new 160 ant up 85' High one end-60' other- wkg out VFB - Nice Gary.

CONGRATULATIONS G3GROSLAVLAN SWL/O12-2/603 who now has rec'd license G16NK & nw wks 160

BRUCE ANDERSON W9PNE: is active and for 1971 has a splendid string of QSOs - WABRB/7-W9UCW/HK4
KV4FZ-HR2HH-PYLNGF-VP9GR-PJ2VD-YV1OB-VP9BO-G3RCE/A-ZD8AY-VP1BA-GM3YCB, this GM makes Bruce's total
60 Countries wv!! CONGRATULATIONS !!! Uses center fed, 268' Ea side-50' High Center. In ARRL/160
test completed WAS wkg KL7HEE - wkd 8 other DX stns - Sez "DX is very good this yr & DHJ very QSA
& consistent. (Keeps daily skeds with son 145 miles on 80) XYL is real helper, putting up ants

SCOTLAND-GM3YCB/Stuart VERY ACTIVE: Submits 3 page LOG of many Ws & Dx hrd or wkd, w/Rare ones,
VE5XU-PYLDVG-CO2QR-HK4AA-KG4CS-VE7UZ/339, VK6NK-VK5KO-ZD9BM-ZG4IK-VP2AAA. On several occasions,
W8s9s coming thru at 0815z & after - daylight. Stu apologizes for his slow 10wpm sez Tex patience

SUGGESTIONS RE TransATLANTIC DX TESTS de WALDO/W8ANC: Complying with W1BB request in BULL 1 for
suggestions, sez "1.-Stop the 5min CQs-they are nat productive and spoil lots of DX. 2.- URGE
w/ve Stns to complete a QSO quickly - This gives others a chance, since many DX stns are likely to
fade out in few mins 3.- Have DX stn send on 1822 in "DX-WINDOW" and listen only 1800-1805. NEVER
answer a DX station on his own fy - Tex Waldo!! (w/VEs should NEVER operate in the "DX-WINDOW")

PERSEVERANCE PAYS W8ANC/WALDO: After trying several months, finally wkd ~~KL7HEE~~/Fred, twice in a row
Also Sep/Oct wkd VK9CZ, KP4CBI, ZD8AY, VP2AAA. This summer visited W9UCW & W6RCW; wkd GW4AEC, ET9J etc

"WE GOT ACROSS!!!" This fine article by W3CU found in DEC/71 QST pgs 54-57, and also on pge 53.
"BACK SPANNING" !!! by Paul Godley himself is MUST reading for every 160 meter DXer. I repeat again,
it is a MUST. Most interesting reading harking back to THE, ORIGINAL "FIRST-EVER" TransATLANTIC
DX TESTS on "160" (200). (See ALSO ARRL "200 METERS and DOWN" QST FEB '22 & BOOK 1936).

CONGRATULATIONS AL SEGEN/W2BP: This season wkd ZP-GW-KG4-VP2S-VP2A-HK-YN-ZD8AY. Nw 44 Countries!!

EUROPEAN DX TO WEST COAST via TRANSATLANTIC PATH: Several boys hv vowed they'll make it, K6DDO &
VE7UV VE5XU & Otrs - Vic/VE7UZ hopes wk Eu, once hrd DHJ/599 - usually abt 449. (W6KIP wkd Eu 1966)

DX GOOD-PER W3IN/Don (Ex W3EIS): during DEC, 24 Dx QSOs, 16 Cntries w/95' Vert. - ARRL TEST a lot.

SOMETIMES A FELLOW IS HARD TO UNDERSTAND: Ralph/W1HGT reports wkd Nov-Dec 28 diff Eu stns PLUS
MANY G3/G4 Stns - THEN Sez "Condx during Nov-Dec averaged only fair - hoping for improvement"
What would it take Ralph to say that conditions were good?? Congrats fine record.

B TO W6 OPENS ~~BRUCE~~ GM3YCB/Stu: Hears W6DAO/569, Dec29, 0435z - also at 2100z VK6HD/589. This is
UNUSUAL Maybe there w'l b sum W6,7/Eu QSOs. Also hrd KZ5AA-CO2AA-KV4FZ/ssb-8P6DR-W9UCW/HK4-VE7UZ!!

CONTINUE TransATLANTIC DX TESTS or ELIMINATE???? Since W1BB suggested in BULL 1 that due to
continually improving condx activity and results generally, these TESTS might be eliminated, a few
maintain they are particularly helpful to beginners and should NOT be discontinued. We'll see.

PHIL/GXAP MAKES IT AT LAST!! Has bn trying to "Cross the Pond" for abt 4 yrs - trying all sorts
of antennas, and grounds w/his 10 Watts. FINALLY with 200' LW and a god of 400' buried copper wire
plus 35 radials fm his 7Mhz G.P. made it to W1HGT & KLPBW receiving 449 fm both. CHEERS!! CONGRATS

AGAIN - DICK WILLIAMS PA6aw1 NL-216: Has hrd DEC10/4, w/ve Stns Dec26/2 Jan2/8 Jan7/7 Jan9/25!!!

West Coast -----TransPACIFIC----- Far East

WEST COAST BAND CHANGEOVER de K6DDO/Dave: -- May 1 midnight, 0700gmt ~~BRUCE~~ W6&W7s QSY'd to
1800-1900 fm 1900-2000. The first few mins were marked by an immense pile-up on 1803, with CW/AM/
& testers making such a rackets no one could copy anything. K6DDO was first to work a non-W, VE7AI
on 1997-VEs could not leave 1900-2000 yeat- At 2200z the 1850Khz Loran moved to 1950Khz leaving a
very quiet low end. The second evening the band was poor but W6RW & K6DDO wkd such as W8HD, W9UCW,
W6RHS. W7SRA wkd W1HGT. Wa4SGF was hrd wkg G3OLI. ----- By "GENTLEMAN'S AGREEMENT" the following
Fys are in use. 1800-1810/CW -- 1810-1825/AM,ssb -- 1825-1830 the "DX WINDOW" for listening NOT
transmitting. 1830-1900/AM,ssb,Testing. Sez,"If all will cooperate, much chaos will be avoided".

NEW 160 STATION K7IDX/BRUCE: Sez "Activity hr on West Coast is picking up in tempo. Most active
stns are W7DL W7DZO W7SFA W7RM Wa7ILC and W1BVP/7 - Condx getting better. Tns & luck to u BRUCE

HAWAII de KH6HCM/Gary (W7UXP): w'l b active 1971/1972. Otrs KH6LJ & KH6RS contest only. Sez "The
only clear fy in Hawaii is 1803-1805. Loran had above 1805. 1800-1802 NG/Markers etc. Am usually
on frnd 0600z at least an hr or so, 3 times a wk. During wee'ends & Contests w'l b on later for
Ea. Coast sunrise peak. Use 75A4, Ranger and 160' LW Ant," - VFB GARY ON Tex & luck

NEVADA K7ICW/AL ON AGAIN: This season, after 10 years absence!! QSO'd 20 States and hoping for sum
DX --Sez W7JRG,UBI,K7LDZ,ZIA also active. Is on daily. Asks East Coasters to "CQ NEVADA". FB/AL O

TransPACIFIC CASSETT TAPE Wa7ILC/Craig AVAILABLE: Covering QSO between JA3AA and Wa7ILC, 24Jan71
to those interested to hear this FB recording and will pay postage to and from W1BB. Write.

SALUDOM!! A NEW "FIRST EVER" RYUKYU ISLANDS: When K6DDO/Dave QSO'd KR8CF 1442z, Dec12 giving 579, Receiving 559. Many CONGRATULATIONS!!! Dave has done other FB DX this year QSOing VE1ASJ, ZD8AY real DX, K8s, K1s, KG4CS and NOV14th hrd a 229 sig tt he is quite sure is G3SZA, 0653z & 1827Kc. Dave intends to do even better - is erecting 1/4 Wve vert w/lots of radials & hopes to wk Eu. VFB Da & keep up the gud work. Again CONGRATULATIONS on KR8CF & ZD8AY!! --- (Ps. Dave rpts tt W coast boys are getting fairly good cooperation fm the fone boys out there in keeping 1800-1810 reserved for CW. For this the Phome boys deserve a lot of credit!! We are also asking them to set aside the "DX WINDOW" 1825-30 for "DX ONLY" as this scheme is working out fairly well on the East Coast. This is a MKT if they hope to work into Europe etc.

CHEERS and CONGRATULATIONS Kp DCF-Tony: Who 12DEC, 1355z, 7.50AM Local 1907Kc heard JA7AO/439 in Minneapolis Minnesota on 75A2 w/1500' IN 15' over ice on lake. This is believed to be the furthest East and North that JA signals have ever bn hrd making this event a "FIRST EVER" too! -- Tony got such a thrill he said "NOW I know how Paul Godley felt on hearing his first TransATLANTIC amateur signal" -- (See "WE GOT ACROSS" on page 3 herein 5th Paragraph down from top - TransATLANTIC Sect)

VE5XU/GORDY/TransPACIFIC: Using inverted 1/2 Wve w/tuned 600ohm line gets out VFB. Dec11 40min B4 sunrise, wkd JA6GRF/459 - 5 min later JA7AO/579 - Hrd JALYAC, RQA. Dec12 wkd PYLDVG/579, hrd VP9BO, KV4FZ. KL7 & KH6 loudest ever. Nov20 hrd ZLJAYG/459 -- During Aug/Se, /Oct QSO'd VK3CZ, 5KO, 3AML, 3CZ-KL7HEE, PYLDVG. Gordy is making special try for Eu now and will be on as often as possible at his sunset, also Eu Sunrise CQing on ~~8800~~ 1801 or 1803 - QSX "DX WINDOW", for rest of season.

VERY POPULAR KL7HEE/Fred WRITES: "Has bn most rewarding fall/winter season. Hv wkd many new states & Dx calls include VS6DO, KV4FZ, PYLDVG & all active JAs. Down trend in cycle nw because of Northern Lights - (Auroral Oval) - . Next E-W peak for 160 hr w/ b abt MAR21 w/ N-S peak abt JUN21st - (I'll be visiting OHIO May/June). Hrd W1BB/1 & G3XVX QSOing in Oct but no Eu since. This is odd becuz DHJ cums in most every day for 6-8 Hrs & Peaks of 589!! It is very rewarding to hv fellers tell me THANKS FOR THE WAS ON 160!! (also 40880)" - Nice wk Fred!! CONGRATS & TRX!! Fred also has constant contact with ANTARCTICA on 3.5 & 7.0Mc, VP8, KC4, VK6. Hopes excite great interest there.

TRANSPACIFIC DX TESTS: Are proceeding quite gell, in spite of 1950Kc Loran being adjacent to the JA stas 1907-1912Kc. The VKs, ~~8800~~, ZLJAYG, KR8CF, VS6DO, K8s and others are making a very interesting and challenging situation for the West Coast boys, and even as far east as W6/s, & SE to W4EX.

NEW STATION W7RT/John: On since Dec10, has 41 states & 5 Countries, w/Viking & 1/2 Wve ant. VFB!!

CEYLON 4S7DA: Hopes to be on this season w/65wts, QRV 0030-0130. ~~8800~~ (de OKLATP)

WAY DOWN UNDER

VK5KO/John GRAND OM OF 160: (73 yrs young) -After being off the air for some time due to antenna troubles - guys failed on 50ft vertical - 1" DURAL pipe mast, allowing it to twist into an "S" configuration - hrd tt 160 was HOT - rushed Ant. repairs - got back on - and "To make a long story short" made 87 Dx QSOs between Jul29-Sep12th viz W4EX/21 times W4TLC & W7DL/13 - KL7HEE, KL7CL - W6NUT/4 - JA3UI/2 - JA7AO/2 - JALRQA, JA3AA/2 - JHLACH - W8ANO, W8RFX/2 - VE5UX/2 - JA7MJ - W6NFL/6 - W9UCH - K4GSU/4 - K4GIA, W4L5GF, W4KUS-W8CQC-W4BSE-W1HGT. Sez "Openings to an area were short lived, only W4EX, W7DL & W4TLC were consistent". BEST rpt Was W4EX QSO 589z 1140z 9/25. -- Jul/Aug/Sep W4EX 569min-599max. Sez W4EX was setting VK/land "on FIRE" w/ his strong signals. MARKER Stas for year 1970, 1245z W9CH, A1 logged 250 days. WWV/A3 50 times. Year 1971, 1230-1300z, WWVH NIGHTLY. - ~~8800~~ WWV/A1 90% nights A3 once/ week - HOWEVER he sez WWVH-WWV sigs have little significance on 1800Kc HAM band openings. John uses 120wts. QSO'd 4ULITU Feb71. QSO'd VE5XU Sep11'71. GREAT!!!! a wonderful record. John's XYL died '64 & he lives alone, except that he has dinner each day w/his children's families - leaving at 0800z and getting back home as early as possible for DXing 1000 to 1330z. He has always excelled on 160 -CONGRATULATIONS JOHN - here's to MANY MANY MORE YEARS DXing!!

W4EX MAKES VK-VK9 NEWS: In two months embracing the equinox period, QSO'd 21 different VKs. --ALSO Sep28 wkd VK9GN NEW GUINEA for a "FIRST-EVER", rec'd 579 - gave 559 - CONGRATS CALUDE. (de W4FHP)

W6NFL/Jim Vs VKs: Did Vfb this equinox season. Wkd VK5KO 5 times, once peaking 589. - VK3QI, CZ - VK2BMS. Hrd VK9GN, CK6IZ & etrs - Sez "Unbelievable compared to last yr - VK5KO comes in often 20 min after sunrise. Hrd VKs well 9/17-10/2 almost every AM - but week 10/3-7 Nothing" Big change in conditions. Jim has new 78' push up tower w/ hold inverted "L" antenna - CONGRATULATIONS Jim.

VK3CZ/Sit DOES VFB::: In BULL No.1 we mentioned VK3CZ getting started on 160 - This he did like a whirlwind this fall equinox, QSOing ALL Districts except W6 - Also KL7 & VE5. Dec11 thru Jan9 QSO'd 9 Ws & 4 other DX Inc. JA7AO. Follows DHJ regularly who peaks 579 often. Still needs Eu!! He and G3TR are now trying skeds. --Just GREAT, eh??? CONGRATULATIONS Sit.

VK6/swl ALLEN'S "EQUINOX" REPORT:: NOTE!! THIS report covers the EQUINOX period only, centered around Sep26th. Sep'69 & '70 each produced 20 "openings" - This Yr there were only 13 (It does not cover the W/summer, VE/6 winter which produced GREAT results for the first time.) During EQUINOX geo. hrd:: W1HGT/3 times, K1PFW/9, W2EQS/2, W4BRB, W4SCF, W4BSB/2, W4DFR, W4EX/11, W4GSU/4, W4PVJ, W4PXP, W4YNX, W4BIVM, W6NUT/3, K6DDO/2, W7DL/2, W4TILC/2, W8ANO/3, W8HID, W8KFX/6, W9 1, W9NFL/3, K1YCL, VE5XU/2. To Date, All/Time Geo logged 30 States!! Sez, "VKs, whose interest is at an all/time high level are disappointed at small percentage of QSLs Rec'd fr Ws" - Hw abt it Gang?? - Tnx Geo/CONGRATS/VFB. Geo. Allen's PROPAGATION PATH report VK to G/land, mentioned in BULL #1, appears in R.S.G.B. "RADIO COMMUNICATIONS" Mag. page 88. -- Re."EQUINOX" Rpts NOTICE how the W4s predominate - must be optimum path. Geo's article MAX info for QSO VK6. ---- In NOV 24th fr Geo sez he hrd HB9NL for 2hrs during OE contest Nov 13/14, the only sig hrd except DHJ/239, 1830, 2135z. HB9NL overjoyed, sez his "Finest Moment Hamming" to knw his sigs reaching VK6 so well. Geo Geo sez during ARRL/TEST hrd KL7EL-KL7HEE-W4AIH-W7NQ & VE5XU - seems like gud path W Coast to VK6!! ---- During CQ/WW all/band Contest hrd W4EX-W9DL-W7RM-W5SUS & W9NFL ----- During Nov/Dec also hrd HB9NL-OKIATP-OH3XZ-DJ6YD-DL4FG-OL5ALY-G3s TR, LFB, LDH, XGW, KMI, OQT & G2JL. -CONGRATS VFB indeed!

EQUINOX SEASON OUTSTANDING REPORT BY VK3CZ/Art:: Made 31 Dx QSOs which included W, VE, KL, KH plus 46 additional HEARD which includes all W Districts Plus VE4, 5, & KV4. Covers Aug21-Nov21. The Equinox was Sep26th. Art deserves unusual credit becaz his first season on 160! CONGRATULATIONS

FLASH!!! SUPER DX:: Dec20^{GM} WDF/Stuart/449/QSO'd Cliff/VK6NK/569 at 0258z - A resounding "FIRST/EVER"

CONGRATULATIONS "WAC" JARDY/OKIATP:: Dec11 QSO'd VK6NK/Cliff w/solid 579 rpt. Tnx VK6/swl Allen for helping to set up sked times - VFB Boys!! Jarda OKIATP is outstanding OK station - nice!

VK3QI/Peter's EXCEPTIONAL REPORT:: Sez this yr bn exceptional since mid June. Fr 15Jul/23Hul QSO'd W4TILC/5 times, & W4EX early as 24Jul---Since Aug1 QSO'd W4TILC/10 times, W4EX/10, inc ssb. W7DL/5 inc ssb, W8ANO/3, K1PFW/3, & once each W8KFX, W4PXP, K4GSU, W9NFL, W4GBY, W4YWI, W7SFA, & hrd KV4FZ, W6LJL, JA3AA, K4CIA, W4PSP, JA2CL1, VE5XU ---- During ARRL/160/TEST wkd KL7HEE and W4GZBQ/KL7. Heard W5RTQ, W9EIU/9, K5SOR, W8VIN --- During TransPACIFIC/TESTS Dec11/12 wkd W7DL, W7SFA, Sigs QSL but TS due to extremely bad AURORAL FLUTTER, (1350-1445z). (See TransPACIFICS, KL7HEE, Northern Lights). Pete uses 55' vert top loaded w/2 50' wires, FT101 converted Trevr. Pete finishes college this yr so w/ hv more time for 160. Will use "DX-WINDOW" too. VFB/CONGRATS/Tnx Pet

LOOKING SOUTH

PY1DVG/Rolf CELEBRATES COUNTRY NO. 20! when he QSO'd Nov6 KG4EQ. VFB!! Has plans for new 300'x1000' site and vert 1/4 wve w/lots radials - on hilltop. Rolf made a "FIRST" with VE7UZ Nov8. CHEERS!!

CONGRATULATIONS and THANKS TO ZD8AY/Roger - ASCENSION ISLAND:: for putting this place on the 160net DX map with his T4XB & R4B by working many many DX QSOs.--As of Nov12 wkd G, GW, GM, EI, OK, PA, W, KV4, ZP9, FY, QA, ZD9, VP2A, 8Pd and HK - Many of these were FIRSTS, in fact all of them except W. (W1BB QSO'd ZD8J 1967). The following 2xSSB were FIRSTS. G-GM-W-KV4-ZD9-FY. Roger sez (12Nov) "THE number of my QSOs continue to increase. Recently noticed remarkable increase in strength of the German station DHJ which I use as a propagation guide. At beginning of 1971 could wk G stns 579 when G stns were just audible. Now he is almost always (DHJ) 599 and sometimes 59 plus 200B and yet my UK rpts average 579 - a few 599. (Has DHJ increased power lately??? Anyone know???) UNFORTUNATELY Roger left ZD8 Dec 15th. It's been a "nice Show" OM/Congrats!! Happy days, and where is the next exotic 160 Dx stop?? Rumored it might be MP4NBC?? Keep us informed OM!! ROGER'S FINAL REPORT FROM ZD8AY FOLLOWS::: Active Jan/Dec/'71 --- Days Active 126 --- No. Days w/ QSOs to; Africa/9, SA/11, Eu/49, NA/35, No. days some DX wkd/73 ---No. Dx QSOs/252. Sez "Notice that out of 126 days on band, on 73 days made QSOs. I would say that the DX paths from Eu to Africa(Ascension) are VIRTUALLY ALWAYS OPEN and only the weaker stns need wait for an opening! The strong stns are there WHENEVER they come on the band" Roger Sez "To see what can be done when stns do bother to come on, my LOG covering CQ/WW all/band TEST Nov28-Nov28 shows 43 Dx QSOs in two nights, including W6s & W4s and at this QTH Cndx were not good, only average, however most rpts were 559x2 or over. I was SUPRIZED at the turnout - thought I was accidentally on 20!" (W1BB hrd him say over the air and exclaim about this)--- His LOG shows 20 QSOs/27th, 23 QSOs/28th. 2/W1, 3/2, 3/3, 15/4, 3/6, 3/8s, 6/9s, 2/8 Plus 8P6DR, KG4EQS, DJ1BP, DJ6YD, HB9NL, PY2BJH. In other words, what Roger is saying is that he believes most any night should be OK to wk ZD8 if you have reasonable good ant & signal. GOOD THINKING Roger!! (We can prove this maybe the next time ZD8 is activated on 160 - maybe by ZD8CS/Keith whom it is rumored will be on soon) THANKS SO MUCH Roger - VFB indeed - CONGRATULATIONS

"RIGHT-O" ZD8CS/ASCENSION/KEITH COLLINS (Ex K1BYD) advises that he has ordered T4XB and hopes to be on the air sometime during first half of '72. Would like any info you have on antennas 160. Write him infeyour FAVORITE 160 antenna. § RCA-MTO, Ascension NCS, Patrick AFB Fla. 32925

RIO DE JANEIRO/Rolf - PY1DVG: Nov14-Dec5 QSO'd 30 w/VEs plus ZD8AY-EI8H-G3WRF, RKJ, LIQ, YUV-VP2A-
Country No.22 - SP6DR. Sez Condx spasmodic & QRM getting worse w/their Summer Condx. Hoping
for KH6 & VRIAA soon!! DHJ peaks S9 some evenings asks "Hv they gone QRO???" - Nice wk Rolf.

SAN ANDRES DXpedition W9UKW/HK6 and HK6/BKX also HK1QQ: Barry made it again as promised the entire
wk before NEW YEARS and a full week afterwards. Putting on a fine "DO" with DRAKE "Twins" and
giving many their "FIRST". His signals averaged 369 w/steep QSB at times! Fine operation Barry-Tnx.
ALSO from HK1QQ made a number of QSOs although conditions were not too good and signals weak.

SIERRA LEONE 9L1GC: Expected to be on this season per OKIATP - Hope so - we'll be listening.

REPORT de BRAZIL PY1DVG/Rolf: QSOs: Jan17 W4BSB, K2ANR. Jan9: K8RRH/4, K2ANR, W1HGT, W1IER, W3IN,
K6CRJ, W4SGF, K4IL, W2LWI, W4SOSE, W1PL, W4YX, W1BB, W4WSK, W4DXC/4, W4SUET, K4CIA. Best rpt W4SGF/579.
Jan8: W9DL, W3IN, VE7UZ, W6RW, W7DZO, W47OFH, VE5XU, K7IDX. Jan4: W8KFX, W2LWI, W5SZ, K5HIX, W8ANO, W4BRB
and HK6/BKX making Rolf's Country No.24. VFB!! Sez New Stn PY2DL coming on 160!! CONGRATS Rolf!!

MISCELLANEOUS

W3SUS/JOHN DORMOIS - (Ex W4GDH): John who rolled up an enviable 160 record as W4GDH, in Kansas
City, has now retired to Arkansas. Got his HEIGHTS MFG CO Vert 93' tower up - using as vertical
w/ many radials. Alternately has Inverted Vee w/Apex at 93'. Either Ant works VFB, but can only
tell which is best on a given signal by trying them both. Sometimes one the better sometimes the
other. In TWO Months has already worked 46 States!!! (Sure is working OK). Jan 8/9 Hrd; Jan8/9
Hrd: EI9J, G3YUV, SP6DR, KL7HEE, VK3CZ @1115z. Has 5 acres and w1 hv fun experimenting w/160 antennas.
QUIET QTH 1/2 mile fm nearest house!! Sez, "It looks like some segregation of CW/Phone should be made
--One bad phone either AM or ssb causes more QRM than a dozen CW stns" AMEN!! "You seldom hear
W/VE CW in "DX WINDOW" but lots of fones at times". Glad to have you back on 160 John -Congrats.

GENE/W4BRB HAS SUGGESTION: Is putting up a 72' top loaded "High-Tower" on outer end of DOCK in
back of his house - on pier in fresh water there. Using 300 sq ft landscaping ALUMINUM FOIL in
1" x 50' rolls, (Available in gardening shops) for ground capacity, sinking same in water under
the tower similar to radials - it is cheap and ideal for radials with much greater ground capacity
In tip Gene. You hv big sig now!! --- Gene did FB this summer, KG4CS, SP6DR, PY1DVG, VK3CZ, VK2BMS,
VP2SAM, KS4DX, HK6AA, TI2CF. W1 agn operate W4BRB/VP7 in CQ WW NOV Contest. Uses Valiant TX & SWAN
500C Receiver w/Converter. This rig since completed sounds FB here over the air at W1BB GENE!!

CQ WW ALL BAND CW DX TEST: Went very well on 160 altho condx were not the best on 2nd night.
Nevertheless some good DXing was accomplished and competition was keen. TOM/W6NUT, Ex W3DPJ
operating as XELKS/2 put on an excellent "Show". ZD8AY/Roger was AMAZED at the pileup of stns clg
him, and worked many. K6DDO worked KR8CF, the RYUKUS.

OUTSTANDING JOB IN MID-USA BY W4NPL/JIM: Since Oct to Dec wkd VK5KO-VP2AAA-KG4CS-KL7HEE-KG4EQ-
PY1DVG-G4AFS-VP9BO-XELKS/2-SP6DR-PJ9ST-ZD8AY-VP1BA. Dec4 Hrd GM3YCB. Has new Inv "L" at 77ft-Nice.

NOVEMBER DX BY WALDO W8ANO: QSOs: KL7HEE-VK5KO-PY1DVG-ZD8AY-EI9J-EI8H-HK1AHK-SP6DR-PJ9JT-GM3YCB-
XELKS/XE2-KG4CS-G3s, ZDY, LIQ, YUV, XVX. KL7HEE was "FIRST EVER" KL7/H8 ssb QSO!!!

ARRL 160 METER TEST: Went very well indeed stateside. BUT there wasnt too much DX. Some very
FABULOUS scores were hung up. JIM/W4NPL QSO'd KZ5ZZ for his 39th Country!! (CONGRATS). (Has since
wkd EI9J for 40th!!!) KH6, KL7, VP9, KV4 GOOD but NIL on Eu or JA ---- W1BB/1 put in only 11 hours
wkd 5 countries, 10 DX QSOs. Had good time even though ARRL TEST is not DX oriented -- it is a
good N/VE Test. ----K7IDX/Bruce "Had lot of fun" 51 seet, 36 States, 6 Countries!! W3IN/Don
wkd 422 stns, 67 Sects, 79 Mult, score 69283. (On TransATLANTIC TEST No.3 Don QSO'd 17 stns!! Nice)

W4PXP/Jim: on WED Dec 1st made WAS by QSOing KL7HEE, 1803Kcs - very fine Jim - CONCRATS!!

160 METER "LIASON" NET on HF??? Rolf Rasp PY1DVG would be interested to know if there are enough
160 meter DXers to form a HF "NET" meeting once a week or so, to exchange 160 meter information,
make skeds etc. This is just a "Feeler" to see if there is interest. Please write to PY1DVG/Rolf
Rasp, P.O. Box ~~51-2C-00~~ 51-2C-00, Rio De Janeiro, Brazil, S.A. (This idea was
tried in G/land last year by an interested group there - but it did not work out too weell because
of varying Condx and unreliability of band condx to different areas at the same time, plus fact
thac it was not possible for fellows in various countries to be on at the same time regularly)
ANYWAY, it is worth taking another look at. Band could be 40 or 20????

THE FEB 1938 W1BB 1.75 Mc DX BULLETIN; SEZ "The maximum strength of any signal, G2PL/339x. Average
strengths 119 to 229. The Cs were only in for short periods, fading out quickly. Known G
participats were G2PL, G2DQ, G2in G6SQ. " Then were the "Rugged" days TransATLANTIC eh??!!!"

PY1DVG
R-14

73! de Stew W4BB

MAY 1972

W1BB -- 160 METER DX BULLETIN -- W1BB

1971/1972 No. 5

W1BB/Stew ----- There is so much GOOD DX NEWS this issue, one hardly knows where to start -- it is probably best to say we have had unusually good conditions and lots of excellent DX results and accomplishments by many old timers, and some "New Comers". Let the following various NEWS ITEMS speak for themselves. In truthfulness it must be said that we experienced a big letdown the latter part of FEB, all of MARCH, part of APRIL - due in large part to a big solar flare, and then to a QRM for weeks and weeks - Chas W2EQS sed "I've never heard such a long continuous spell of QRM, not even in summer months"!!! ----- Thankfully, the "DX-WINDOW" idea is still catching on. Favorable and working out quite well -- requires vigilance on part of all of us to inform and explain and request cooperation from intruders. For a guess would say it is probably 75-80% effective. Of course, occasionally there is an intruder in there at JUST the wrong time!! D--N!!! Patience and perseverance will win out however. NEEDS help of all of us though - it is surprising still that so many who benefit from it still do not put much effort into trying to keep it clear. They depend on someone else to do the job. I have heard now and then, one of these same good fellas complain that someone was in the DX-WINDOW!! Let's ALL try!! Let W1BB know with FULL/ACCURATE particulars if you wish letter and chart mailed to signal heard in the DX WINDOW!! OK???? ----- LET'S GET TOGETHER!!! So often on VK/ZL or other DXing skeds the various stations "CQ-DX" at random times, with the result that the 1800-1807 segment is covered ALL THE TIME by one CQer or another, giving no chance for weak DX stations to get thru. -- WHY NOT??? adopt the "FIRST TWO MINUTES" of each 5 minute period as the CQ period?? Thus the band will be kept quiet for 3 minutes of each 5 minute period for hearing weak DX stations answering near our own frequencies!! Of course during the QSOs the routine must be interrupted, -- WHY NOT???? All that is required is to set your clock accurately by WWV -- Helping all, we'll help ourselves!!! ----- ONE of the BEST organized DXpeditions, still under way (Apr 15) is W2BPs to the Carribean islands with operations from St Martin-FG/ADT/PS&, Montserrat-VP2MAD, Dominica-VP2DEA, Martinique-FW7ADT-, St Lucia VP2L, St Vincent-VP2S and Grenada-VP2G. Al has persevered in spite of heavy QRM part of the time and made a sounding success of the venture, with many NEW COUNTRIES to many guys!! Like clockwork Al shows up every day at the scheduled hours and frequencies - VFB and Tnx a Million!!! (St. Martin account for W1BB's No. 111 on 160 - and W2EQS's No. 79!!) DXpeditions like this sure appreciated by all here. (W5RHR also did well fm islands but was plagued with a9 plus QRM all the time - Tnx the Stew.) SUMMER season is most upon us - PY1DVG's and EI9J's Trans-EQUATORIAL tests should provide some real interest and results. In summertime is the best time for QSO "South" of the Equator - (see elsewhere herein) ----- BEST WISHES to all for a HAPPY SUMMER and we'll look forward to another

STU MEYER WROTE THIS HAND ON 160 DX: Feb 6 knocked off Q3XVZ, C1ATL, GWJUCB, G6HQ, OLLACH, PA3PN -
times like shooting fish in a barrel - my first time fm Raleigh NC area - previously on 160 fm
used Br KW2000 w/Drake Rk & HQ170. 1/4 Wve ~~ant~~ ant shape of V, one end fed w/Coax, using neutral
of 220v line into house as counterpoise" (This is a NEW one!!). See "Getting her on 160"
develops filters and front end techniques for btr performance" Great/Stub!! Keep up those
expeditions of the month too - especially on 160!!

CONGRATULATIONS!!! CZECHOSLOVAKIAN SWL/OK2-20605 who we rec'd lie OI6AMI and works on 160!!

G/mtl NORMAN SMITH faithfully covering band thru Jan 16 Hrd W9PNE, W4ATH, K9YWO plus others - VFB W

PADDY/ET9J HAS "BIG SENSITIVE EARS": So many of the gang say, as he hears and answers every stat
that calls!! Situated in GAVAN, "Paddy" has been on. active, patient, perseverant since at least 195
when WLEB first QSO'd him. In fact his signal around 1829Kc is one of the best MARKERS there is fo
W/VEs to know band condx to Eu!! In the summer of '71, he cooperated with PYLDVG/Rolph to run
TransEQUATORIAL tests which were so successful. Says they w'l be run agn this yr starting JUNE -
on this later. Commenting on current 71/72 TransATLANTIC season sez; "ore activity, btr condx,
season never slacked off at ET9J - QRN his QTH seldom bad. USA/Sunset DX to Eu came thru regularly
led by K2GNC. Summer condx to ZD8AY-ZD9BM-PYLDVG excellent. During ARRL/160 test, long ski- to
W/-W6HX-VE5XU-YN1CW excellent!! Biggest suprise, hearing VS6DO in DEC. (EY9W & G3WRF wkd him.) A
difficult path - OCT/wkd/VP2AAA - Jan/wkd EQ2BQ/Harry/Iran!! EQ's first 160 QSO!!! & hrd RR/BRV.
JAN 9th "TREMENDOUS"!! Condx as good as anyone ~~could~~ could dream up", wkd ALL W/districts
except W7 inc. W5SUS, W6RW, W9DL, W/NPL. Hrd VE5XU's sig GOOD & in fr ovr an hr!! Also W6HX!! JAN 24th
QSO'd 8P6DR for a new one and the 19th, KG4CS.

JANUARY thru MARCH SCORE BY RALPH/WLHGF: --- 22 Diff Countries, 65 Diff stas!! VFB Fine wk/CONGRATS

NEWCOMER TO 160 DXing G3YUV DOING FINE!!! --- Fred ran across and QSO'd ZF9AY Aug 18, arousing
interest, then Sep 13 wkd HP4BJI - REALLY interested now - since, has wkd VP9JG, ZD8AY, VP2AAA,
PYLDVG, EQ2BQ, KV4FZ and many Ws --Jan 9th. (those WONDERFUL Condx) wkd ALL US Districts except 6,7,
within 2 Hrs o us 3 VEs. SMO comes another 160 DXer!! Uses KW2000B 320'x50' LW w/radial earth
system, 10Watts. Nice going Fred/Congrats. (Hrt fm VE7UZ just in sez he hrd G3YUV!! Also G3YVY, Ros

OLDER RETURNING TO 160: --- Dave/WL2Q/Ex W8BPN/Ex W1ZA/W3PA ~ on 160 w/ 210' Vert in 195h -
playing BC band behavior w/good & Poor times on 160 by means of indoor loop - uses DRJ as guide.
will retire in two years and be back on 160 as W3PA - nice DAVE!!

WCC/2033Kcs -- NOQ HEAR THIS!!!: --- PARKER Station WCC, so usefull all over the globe, (but esp.
to EUs), as an indicator & of conditions to E. Coast USA - after being silent for about 2 years
is now bac' on the air!! Located at Cape Cod, Massachusetts - should help TransATLANTICS a LOT!!

WATER BASED VERTICAL W4BRB/Case: --- Over water on a pier doing fine. Radials in water. 1:1 swr
on 1810/ Recently wkd HK1ANK, HK1CQ, VP2AAA, VP2SAM, KL7HEE, CL, YN1CW, PA3PN, ET9J, ET9J to give 49 entri
& 49 states. Needs KH6 for WAS. See 2/6 "FABUL US opening to Eu!!"

AN UNUSUAL AND INTERESTING 160 TEST: de W3IN/Don, sez: "Operated ~~on~~ W3AU in ARRL DX cone test Feb
5/6 object to wk all possible DX on CW, see if they could and would switch to CW. Sometimes skeds
wede when wkg otr bands. Result QSO on SSB: VP9EW, BO-KV4FZ-K25ZZ-G3YVY-GW3UCB-KH6RS/1200% vy QSA.
QSO/CW: G3YUV, LIQ, FQ4-G6BQ-GW3URK-ET9J-VP5RF-OKLATP ---HRD/cw: G3XVX, ZRB, PA3PN, CL1AXH, CL5ANJ. Con
tra gud w/low noise, weakSSB RS, was amazed hw well esb wkd. Rig THVP/R4B. Ant W3AU's 140' Towers
and plans, vert top loaded w/7 el 20m Yagi - vfb congrats - vy interesting.

CONGRATULATIONS PHILLO/HB9CM - "WAC" !!! ; After patient perseverance made his "WAC" Jan 29th
when he QSO'd VK6HD - GREAT!! Philo wks 160 mostly - has 1/2 wve 40' Ht ctr to 25' on ends, N/S,
open on top of house on top of hill. Kept his 0515-0535 every morn watch for TransAs all season
(2) - some rewarding QSOs - W4PXP, HB9AJU&HB9NL had meeting at his chalet Feb 12/13, at
Blanchettes - sez sore nice clear spaces for W/VE DX etc between 1808-1814. 1800-1805 QUTER quite
heavy W4M. Srd PYLDVG, ZD8AY, ZD9BM - Two new, H21KE & EQ2BQ. VFB Philo!!

SWITZERLAND HB9AJU/Gerald ACTIVE: Each weekend SATpm/SUNam fm his chalet w/new ant Phillo/HB9CM
helped me put up. See "No, even a trained monkey is as good as Philo at climbing trees"!! wkd 9
series. Jan 16 Condx FANTASTIC!! Hrd W4, 2, 3, up to 569. Wkd 10 stas in CQ/W/160 test. Frd W4
569-W4SOP/579 but not able QSO Ws yet. Feb Jim W4PXP Feb 1, 12, 13. Visited HB9CM, W4

TRANSATLANTIC CONGRATULATIONS CHAR/ERIC!! An old timer, btr not on 160, DXing, tried and made his
FIRST crossing to WLEB/1 Feb 6 w/10 watts & 1/2 Wve ant in quiet QTH 350' eal w/good takeoff. B
while I was DX @ ST2AR wkd 275 entri, got over 200 certificates, but none of these QSOs gave
me thrill that ours did!! I was jumping for joy!! The 160 enthusiasm has taken over - W4 plans
w/ & hook on to 800' of radials to improve sigs Nice!! CQ/W/160 wkd 178QSOs, 136tries - Not Pa

SELECTIVE OPENINGS" de W4QW/L/Rob: : Sez Dec? TransA test hrd G43VPL, YGL, G3OIL, G43YCB. Had incomplete QSO w/ G43VPL. "The W1, 2, 3, 8a all wkg EUs bt EUs only readable in snatches of min or two then QSB out. Would think my 27'-1" vert w/Connal gnd system cud hv wkd anything anyone else could on E/Coast. Evidently nt the case!! Did notice no othr W4s wkg EU. Hrd none trying. COULD IT BE THE EU/USA OPENINGS ON 160 ARE SOMETIMES VERY SELECTIVE??? Using same ant Dec13 wkd 12 EUs in less than 1 hr. Not possible at all. ----- YES bob!!! That IS it!! Over the yrs on 160 same thing has been observed MANY times. In MASS./Boston hv noticed W4s/Conn & NY/NJ sometimes can wkg em when they are vry weak below QSO strength here - & this is only 150/250 miles Diff!! Sometimes opposite true. W4, 5a can wkg em when W4s cant. This is one of the phenomenon on 160 th makes DXing interesting/frustrating

NEWCOMER G3XAP/Phil w/9 WATTS DOING VFB: : 7 crs sings in Jan w/various single wire ants - his 349 to 569!! - Imagine th w/ 9 Watts - Congratulations Phil OM!!

PROMINENT 160 SIGNAL G4AEC/STEVE MOVES QTH: : & is temporarily off air (2/72) hopes hv new ant by fall. JUN6-OCT25, '71 wkd MP4B, KV4, PY, VE, VP2A, ZDS, ZP9, 4UL, W4L2348. 23 entries/5Mcs! Hrd VK3LO, etc

UNIVERSITY COLLEGE OF NORTH WALES G43UCB/G3WXS/Mike, G4AQR/Jan, G3WKH/Robbie & QDA, soon/Mike at club Sta took old dipole tuned w/GDO 1790Kc, mounted as Inv Vee apex 20' pole on roof College, resonated 1830Kc - "Went to Town" Jan 10/28/30-Feb5, 6, 7, 11, 12, 22 - FEB 6th unusually good - QSO'd TransA 49 times!! w/rpts 349-579 w/KW2000/10w - Inc 13 SSB - a Remarkable performance!! Keep up good work!! GREAT!!! RESULT "WAC-160" WITHIN 3 DAYS de DL9KR/Jan: : (Former DL9KRA) moved to apt Bldg w/limited ant space. Developed special 30' vert w/6 "Umbrella" wires, flat roof. Over 2000' gnd radials laid on roof w/max length 70' - Tuned/Adjusted-hrd K2ANR. Made FIRST EVER when called by ZD9BM!! Then during CQ.WW.160 "Contest went like I was dreaming-21Ctries-20states&Prov-5 Cont-269 QSOs Inc. VP2AAA, 6P6DR, HZ1KE, W4BRB/VP7. ALL FIRST EVERs/DL!!! Within 3 days made WAC/160. Excellent/Congrats

REPUBLIC OF LIBERIA EL2CB/Lee ON 160!!!; w/DRAKE T4Y/R4B - tried hard CQ.WW.160 test w/converted 80m inv V. W2BF sez "Hrd in 1834k rite under fence. Zero'd his fy/got him!! Hiv ONLY W QSO & a first fr both. CONGRATULATIONS!! Lee intends 160 agn latter part APR, then "Off&ON" to DEC when he lvs QTH Lee Neeley Box 98 Monrovia Liberia. (EL4A was FIRST EL/W QSO bk 1961) Lee operates SSTV also!!

OLLAOH/OK Novice MILAN: : w/10w wkd 22 entries, 1/2w dipole 25m high - 17 yrs old-hopes for OK @ 18. KACTA BILL: : "COUNTY Hunting"-1st season/160-47States-29Countries-5Continents - VFB!! Congrats!!

OL NJ/MARTIC: : wkd 19 Ctries, 16Confirmed!! FB fr newcomer. w/ B 18 May 22 hopes OK License soon

MARKER STATION DHJ: : DL5BR/W42CLQ/Jeff sez run by W/German NAVY-QTH WILHELMSHAVEN on N.Sea. BCs Wx info/Navigation aids, CW and on 24hrs per day. Power and Ant info apparently CERTIFIED/Classified

Annual TransATLANTIC DX TESTS

DX TEST No. 2 JAN9: : OKLATP/Yardy wkd: N1BB/1. Ws: 3IN, 2EQS, 8BT, 2ZBG, DDR. Hrd Ws: 1WQC, HAT, 8GDQ, NSP

DX TEST No. 4 Jan23: : Hl fight QRN Hvy both sides, altho HB9CM, HB9NL, G3SZA, G6BQ cud B identified QSO'd. No "First/Timers" Hrd wkd. G/swl John Young 14yrs A7082 did vry well logging Ws N1BB/1, 2UE, 2EQS, 4KXV & Ks: 3RUQ, 2GAL. Uses JA Rx w/2 Mech Filters, 15' Hl Ant. Looking fwd to license - Nice J

DX TEST No. 5 Feb13: : Skip condx good w/nice sunrise peaking 0700. Quite few stns "Crossed". New W1BB: G3XAP/Phil w/200' LW&Large Gnd. G3VUM & G3PLP also EI9J, PA6PN, HB9NL, G3a, ZRH, XSC, XVX, (K/T.

"TO BE OR NOT TO BE" THAT IS THE QUESTION!!!!: : Several hv felt th since 160 DXing has "Come of age" w/more stns, btr ants, equip, intensive participation etc th the TransA tests started in 1932 are out of date & shud B discontinued. We hv circulated & discussed this idea quite a bit!! The CONSENSUS of opinion is that they should be retained BUT that the traditional 5 minute CQs are vry definitely "OUT" of order and shud B out. Being TESTS and not CONTESTS, they give the neophyte a much btr chance of getting "Across" with many stns particularly searching fr him, and the attendant pleasure given both QSO parties. (Incidentally, Paul Godley is AWARE of these TESTS - we had a ch note fr hm - is nw in Africa - bt hope hr more fr hm ltr) SOOOOO they WILL be Continued w/changes in the calling/listening procedures - probably 1 or 2 min CQ DX TEST calls either periodically/Rx G/SWL JOHN YOUNG A-7082: : Sent fine rpt. Sez helping hm towards becoming HAM ----G3FKM/JOHN: : Sez Tests help those who find it hard to cress. "DONT make the TESTS into CONTESTS - this brings out the worst side of HAM radio. The split-fy "DX-WINDOW" vs 1800-1810 shud B kept. These regular activity periods are worth keeping ----- G43UCB/UNIVERSITY COLLEGE RADIO CLUB BOYS: : Say - do a TESTS - they do help the beginners - also enables assessment of band conditions.

European TRANSCONTINENTAL DX tests

FIRST EVER!!!!/CONGRATULATIONS!!! EI6H/Pat QSOing VS6CO, 23COz, DEC15-Excellent!! G43UCB hrd VK6

West Coast ----- TransPACIFIC ----- Far East

W4BQ/Gordy-BRITISH COLUMBIA REPORTS: After 3 yrs off 160, is bk agn doing FB! Dec'78 APRIL/T

In Jan '71 test wkd 37 stns inc 4-KH6s. Hrd JH1BRB & JALYC all with RANGER, 73A3 & Dev V -nw w/works. Pat, VALIANT doing Btr - wkd 108 Stns Dec '71 ARRL 160 TEST inc 2-KH6, 3-KL7s, a VE8, all W Districts. Hrd JALYAC, JA3AA, a JA7 & JA8, VK3QI/VK3ABR - Jan 15th wkd VK3QI!! Keep up good work Gordy OM!!!

PACIFIC TESTS-REPORTS de JH1LKH/Wine:: Hrd Jan 13: 1404/W6RW/449/459 - VK3QI/1803k, 1458z. QSOing W6DDO. Called them but NO. Sez all W/VE&VK stns please QSK 1908. "Mine" became active 1968 after wkg W7DL/7 w/10w Tx! Nw w/ SR700A, ST333, TAX, RLB more active. Ant 66m long dipole w/5000w. Hrd 46 QSOs, 4 Entries/CQ.WW.160.TEST. Made FIRST!!! JA/VK9GN QSO!! Wkd VK, VS6, KH6, CR, Ws, 6s. Jan 29 w VK3QI/3 fr 9th entry!! Nw trying hard FYIDVG, thinks JA sunset/PYsunrise best time, but only allowed 20 minutes opening Feb 1st & Getting shorter. Also anxious QSO E.Coast USA, sez "I hear LORAN is to be changed by new OMEGA system using VLF of 20,000m Lambda. This would b btr fr DX such as JA/E Coast. Hops! Hops!! Hops!!! - Tax "Mine" and CONGRATULATIONS your VFB work and fine station.

VE7UZ/Vic SEZ::: One his greatest thrills hearing ZD8AY first time -"SURE WAS EXCITED"!! That's the 160 DX BUG doing that Vic! Also QSOing ZD9BN w/sigs 599x379, HK6/BKK, PYIDVG, 8P6DR. Hrd G3YUV, G3YVX!!

CUBICAL QUAD ON 160 Etc de K6DDO/Dave:: Hv 4 elements up nw-using 2 -all fixed/full size. Vary fr 30' to evr 60' high - adjusted pattern to gve much gain East, lto3S units. Vy anxious QSOs Eu for WAC. May increase ant gain further fr Eu by adding more elements and phasing btr, also narrowing pattern to reject locals btr" --DX WINDOW:ARRL/Test full of Q3, 8, 9, & VE1. W6RW got couple Qs, 0s to QSY out. Must keep WINDOW clear if expect wk Eu. --EUROPE: Hv hrd mai openings nw all w/weak Eu sig. Finally Hrd DHJ. Best JAN9 DHJ0200/0745, S7 FANTASTIC!! Hr svrl unidentified EU. Peak arnd 0400. Hrd/Gld EI9J ---TRANSATLANTIC Tests "Do NOT end them. Wl help W/Coast to wk Eu & Africa" --- Misc: Has hrd by HS5AD/Vietnam 449, 1445z arnl test. ZL3RB Hrd VE5XU & K6DDO 2hrs in Jan. QSO'd VK3CZ.FB!!

W/STATIONS QSO'd BY W6DDO:: #7DZ0, GZL, Wa70FH 17Nov. W7DL 10Nov. Lots of JAs, KR8, G3WRF. (Tax K4CIA/B)

MORE ANTENNA CONSTRUCTION BY Wa7IIC/Craig:: "Bob W7DL helped me put up 1100' LW ant, not Beverage, on 90' poles. Bob an old pole climbing linesman went up like monkey - you cudnt get me to climb these poles fr all the TEA IN CHINA" Ant 80' Hi nr end, uphill to 50' Hi Tree, strung E/W - use fr both Tx & Rx. Old dblt N/S used svrl yrs. Strange as it may seem, the LW wks best on TX, the old dblt best on Rx. Hv two transmatches - can switch instantly fr one to other. ---Hvnt bn active due to prevailing matters -Boys in NW hr really keeping ear on DX-WINDOW hoping fr Eu QSO. This season wkd QSO'd VK3QI, KG4CS, XELKS/2, K5CIT/KH6, KH6NCM, KL7HEE, KA8AG -JAs 7AO, 1YAC, 1RQA, 3AA, 3ZF, 8AUD. VFB Craig

TRANS-PACIFIC TEST REPORT De JA7AO/"Tok":: Sez "Hrd MANY Ws W4 TX 1/7 Times, W5RTQ/4, W8ANO/2, W9PNE/2, W9WV, New Orleans 2048kz/2 Many #6, 7s. Many enjoyable QSOs w/ Ca., Wash, Oreg, Ariz, Colo, BC, Sask, KL7 - but mai regretfully missed. Fy 1810 approx - Needs Eu, East Coast, ~~SA~~ SA. "Tok", 37yrs w/xyl 2 Children very active w/ home made 100w exciter, plus WAESU FR100B Rd, YAESU 2500Linear 850w & Dipole 48' High N/S has wkd 66 diff DX stns. 172 QSOs since 1968 inc CR9, HS5, JD1, KH6, KL7, KR8, VE, VK, VK9, VS6. He then tells us there are 295 JA stations QRV 160 in Japan. A remarkable 160 record "Tok". CONGRATULATIONS

WRT/JOHN REPORTS:: Wkd: JAN/JALYAC, 7AO, KL7HEE, GKY, HGA -KH7HCM-XV4FZ-W4BRB/VF7-VK3QI-8P6DR. FEB: /JA7AO, COI, 8PBH-KG4CS-X5CIT/KH6-KH6RS-VP2A-VP5RF-PYIDVG-ZL3CX. Also has wkd VP2A Nw on 6 bands.VFB!!

CHEERS!! NEW ASIAN STATION EQ2BQ/EP2BQ/HARRY:: Sez "Bn active Iran since 1960. Tried 160 4yrs ago. Poor condx, lost interest - revived by 5BDXCC/Made #113 in 6 Mos. Then JAN72 1st/160 QSO - big thrill w/ Inv V. QSO'd EI9J!! Nw always listening fr those elusive 160DX openings! Fev Days lt. struck an exceptional night. Pile up Cs elg me - QSO'd G3YUV, GM3YCB. CQ/Test next, hrd KV4FZ, VP2AAA, 4S7GV all 589 QRMing each other! Then hrd VK5OK/459, VS6DO/559. DL9KR loudent sig hrd equal DHJ @ 599 peaks several hrs. Tried new ant/marginal results & QSO w/WLHGT Margihal. Hrd W1BB/1, W2EQS, KLFBW 55/69. Wkd DL9KR, OKIATP, 3TOA, 1KYS, OLSANL, G4AMU, 3YMI, OH4BG, 4S7GV, GM3YCB, ICW/A. Harry bn HAM since 1947/13yrs of first as ZL4JA, then G3KVM, Then VS5JA, Then EP2BQ. MULE mobile once. Prof PHD Geology. CONGRATS HARRY

LOOKING SOUTH

LOW POWER QRP/20w W3CNS/JIM:: QSO'd HK/BX this JAN - VFB and CONGRATULATIONS JIM.

ANOTHER VERY SUCCESSFUL W9UCW DXPEDITION TO EXOTIC UNSPOILED ISL OF SAN ANDRES:: Barry w/John/b9AO put it on DX map agn week after Xmas & 1st wk 1972. Wkd Mobile/160 ILL/Fla QSOing 24 states, 2VE/Prov ins vy nice chat w/VE5XU. Really sumpin 160 Mobile!!! Arrived HK 6.30AM 27th met by Herman/HK1Q who extended hospitality, kindness, cooperation S9Plus!! whole stay. Arrived San Andress PM27th. Days of sightseeing, swimming, visiting etc & Eves/Nites on 160/80/40. Ant a 40' top coil loaded vert. Supported by tall palm tree on beach, w/extensive Grnd system. (This vert far outperformed straight wires on both Tx & Rx) Barry wkd 300 QSOs on 160. 100 w/ Paoho's call HK/BKK. TAX into F8H"Spitfire" linear. On 3rd day, popped linear tubes-rest of time TAXB barefoot. Barry gave linear to HK1Q who hopes use on 160. On return trip via Columbia stopped & Made 30 QSOs fr HK/QQs using 150' LW. Cdx "Louisy". Barry sez w/west -"These Columbians are the friendliest people hv evr met - end tell dozen stories their warmth es hv they take U a stranger, help you, make you feel at home". Many CONGRATULATIONS BARRY on a DXPEDITION VERY WELL DONE!! Tax a Mo. Nxt yr maybe Guadalupe, or Galapagos sez Barry!!

GRAND TURK ISL. VFB/ROBIN: WI B There another 18 Nos w/10WIP/3hpOF Tx & RAB Rx. POBox 78/Gndnd Year
RARE PERU OASV/JOHN ON 160!!! Last Dec9 urged by Bob/WAQQW. 1st QSO KV4FZ 2320z, then WAQQW/4-#2BP-
WVZQ-W4JZC-KIPBW-WEAH, GDQ-W4JVS-W4LSCF-W4SKYY. QSL via W9GFF. Base loaded 60' Vert. THX a Mo JOHN
WIBB ANNUAL JUNE North/South "TRANSQUATORIAL" TESTS: Organized by PYLDVG/Rolf, assisted by EI9FV
Jan 1 to 30 daily 0000-0030. NOTE CAREFULLY "These tests are set up to explore peak condx
between Europe & the South, so very little W/VE activity is expected or desired. HOWEVER any W/VE
wishing to QSO southern Sta hrd must NOT transmit in DX-WINDOW 1825-1830. Shud use fys 1821-1824Kw
keep 1825 free. Please keep N/S QSOs to minimum, ie W/VE/South. INCIDENTALLY 0000-0030 will undoubtedly
be daylight for W/VE and QSOs impossible anyway. NORTH(Eu etc) CQ 0000-0005 & alt 5 min periods on
1825-35. SOUTH call remaining 5 min periods 1800-1807. Expected participants G, EI, GM, GW, DL, OK, ZP9,
EQ2BQ, PY, ZP, ZD9, VP8, LU, CX, ZSL, EL1, and always the "Unexpected". Reports to PYLDVG Box 51-zo-00, RFO
W4BP DxPediton TO CARRIBBEAN ISLANDS Apr4-24: Has been a wonderful success to now (18th), "A1"
having QSO'd many from St Martin FG/ADT/FS7, Montserrat VP2MAD, Dominica VP2DEA, Martinique FM/ADT,
St Lucia VP2LH. Signals have been weak and QRN 59 and QSB bad. However excellent operating on A1's
part has pulled many through. HOWEVER A1 has not showed fm VP2S yet - due 19th - now 22nd. All hoping
no equipment, license or other problems. Many rec'd NEW COUNTRIES. CONGRATS A1. DX-WINDOW fairly close

WAY DOWN UNDER

GORDY/VE5XU QSOs VK3QI: Jan 15 1156z. Sez WLSG/Cliffe also hrd & Cld. VKs coming thru in JAN!!!!
CONGRATULATIONS VK3CZ/Arthur: (See p6BULL2 last item) who finally made it to G/land QSOing G3TR 17
Jan 1120z w/339x2. Hrd OKIATP. Sez EUs in fr onli 15-20 Mins. Nice work Arthur!! Also QSO'd PA/PFN
Feb 16 fr "FIRST EVER" PA/VK3. Also QSO'd W8:NO March 5th!! Band open late this season - eh???

ANOTHER REPORT FROM VK3CZ/ART: (Who is architect building Engineer)w/his own business, fr JANUARY
Inc CQ/160 Test. Hrd DHJ/KPH almost evry day-QSO'd G3TR 339x2 1st Eu, G2JL459x2, G3LIQ569x2. Hrd W1HGT
OKIATP W5SUS. "I've hd gud luck w/Eu, wkd 3 Cs. Nw want to bag OKIATP, DL9KR, HB9NL. Jan19 QSO OKIATP!!

MORE ANTENNA WORK DE VK3QI/PETER: 1/72 put up two 500' Ctr Fed Dblts 80' hi, sez "Results are really
ASTOUNDING!! (Just graduated College - teaching S'MAN HILL - more time fr DX nw. (Txn Wa7ILC). Pete's
CQG/Jaa, QSOs VE5XU, W7DZO, W6RW, VE7HQ, Wa7ILC, K6DDO, W7DX, W7RT, VE7HQ, W4EX/579! ZL3OX, JHLKH, W6NUT!!!!

VK3QI/GEORGE ALLEN: "The latest series tests most successful. 22 openings DEC & 16 JAN. 17 more
than last season fr JAN. Last few days NOV especially gud. ~~W8:NO~~. Txn George. CONGRATS 70th Birth
Birthday - March 12th "70 Years YOUNG"!!! Here's to SWling until at least 100 Geo!! WONDERFUL.

MICK/VK6HD MADE "6 BANDER": Mar 11th BERU Contest when he snagged VE7UZ on 160 - CONGRATS!!!

CQ - WW - 160 DX - CONTEST

RECORD TURNOUT!! Chas/W2EQS originator of these tests sez "Another BANNER year". Rpts most Countries
ever - 42" W, VE, PA, SP6, VP2A, PY, CO, HZ, HI, XE, OE, OK, KL7, KH6 G, GW, GM, EI, EQ, GC, KR8, VS6, ZL, KP4, 4S7, ZB2,
OH/HO2 & F/LC suspected phonic. "Never dreamed TEST wud become so popular"!! 50 States on!! GREAT!!
GREATEST THRILL de W1BB wkg both KH6HGM/Gary, KH6IJ/Nose who hd FB sigs fr over Hr. Pileup tremendous
Q/ual/Norman Smith hrd 23 NA Stns plus PYLDVG. "Condx not so gud" Txn/Norm. -----OKIDKR/"Ruda": 10
entries, 141 QSOs, Score 5130pts inc HZIKE!! ----- VK3CZ/VK3QI/Pete wkd onli W6NUT & JHLKH. -----
DON/W3IN: wkd 24Dx stns, 17Ctries sez "Condx nt gud as ARRL test-KH6s vy loud an hr B4 they cud hr
E Coast. 372 QSOs, 46states, 5Prov. ----- RALPH/W1HGT: wkd 32 DX stns, 11 entries sez "Condx onli fair
W1BB/Stew wkd 4CDX stns, 18Ctries "Condx cud hv ba worse" 111 QSOs. ----- KACIA/BILL QSO'd KV4, G
KG4, EI9, DL7, PA, G, VP7, VP9, HB9, SP6, GM3IGN/A, VP2, HR2, YN1. VFB Bill!! ----- FRANK/W1WY: "Thrilled to
QSO KH6HGM first try for KH6 - good weekend - DX plentiful both nites-200QSOs. 13Ctries, 39States,
5 VEs, 24DX -The DX-WINDOW" in pretty good shape except fr cupla phones & sum Contestants CQing in
WINDOW. There is an "Unsportsmanship" disqualification rule in TEST and intentional QRN not tolerated

W5SUS/JOHN: 2 ice storms, vert wud nt load. Inv Vee covered ice. 226 QSOs, 46States, 4Prov, 4DX. -----
TEST OBSERVED FROM BREMERHAVEN GERMANY BY JEFF/DL5BR (Wa2CLQ): Not hvg Tx "Listened in" w/R398
Collins, 3 wire 2-3MHz Rhombic pointed So Brazil sez "Sum sigs strong easily workable. Top sigs were
KIPBW, W1HGT, W2EQS, W1BB/1. peak 0400z algho KV4FZ 559 0630z. Most interesting, KV4FZ, VP2AAA, HZIKE.
DL9KR adequately represented Germany wkg Wa 1829-1801 all night long. VP2AAA sed DL9KR strongest
hrd. Otrs hrd were W1WQC, GBC, Wa2LPD, W2HKT, UEZ, AZQ, KZLWR, W3IN, W4YWX, W5OG, W8ERA, K8RNE, W6DRE/1, VE3BMV,
Sum fierce QRN 1800-05. Mni otrs on bt impossible log - seeds EUs. Txn Jeff-VFB rpt. ----- VIENNA
AUS. Is OELKU WILLEY ACTIVE: "Mie 76 QSOs, 377pts, 9mult, 3393score - Cdx poor - Onli wkd OK, G, DL, OL, GW,
HB, GM, PA, EI. Jan9th however did wk W1HGT/569 my 339 & Hrd W1BB/1/569 all abt 0535-45z. Wkd HZIKE fr
369!! ----- BALLOONS WERE USED AT SEVERAL PLACES: K9SKX QTH/W9YYG opr. using 5/8 ave Balloon vert
w/ bag gud system. What Rpta!! WOW!! 13Dx Ctries, 47States, abt 48,000pts (deW9UCW). - WLSG/Ex W1PFF
used balloon, also inv V. Sez "Suntimes one btr, suntimes otrs --GM3IGN/A/Mike at Lochnaw Castle
1/2 Wv Balloon 80' vert w/gud results. Wkd 42 W/VEs 1, 2, 3, 4, 8, 9, # plus KV4FZ, VOLFB, SP6DR. "Gotaway
1825-1830 W4BP W4JVS W4LSCF W4SKYY W5SUS W6NUT W6RW W7DZO W7HQ W8:NO W9GFF W9YYG W9YU W9YV W9YX W9YZ W9ZB
W9ZC W9ZD W9ZE W9ZF W9ZG W9ZH W9ZI W9ZJ W9ZK W9ZL W9ZM W9ZN W9ZO W9ZP W9ZQ W9ZR W9ZS W9ZT W9ZU W9ZV W9ZW W9ZX W9ZY W9ZZ
W9ZZA W9ZZB W9ZZC W9ZZD W9ZZE W9ZZF W9ZZG W9ZZH W9ZZI W9ZZJ W9ZZK W9ZZL W9ZZM W9ZZN W9ZZO W9ZZP W9ZZQ W9ZZR W9ZZS W9ZZT W9ZZU W9ZZV W9ZZW W9ZZX W9ZZY W9ZZZ
W9ZZZA W9ZZZB W9ZZZC W9ZZZD W9ZZZE W9ZZZF W9ZZZG W9ZZZH W9ZZZI W9ZZZJ W9ZZZK W9ZZZL W9ZZZM W9ZZZN W9ZZZO W9ZZZP W9ZZZQ W9ZZZR W9ZZZS W9ZZZT W9ZZZU W9ZZZV W9ZZZW W9ZZZX W9ZZZY W9ZZZZ
W9ZZZZA W9ZZZZB W9ZZZZC W9ZZZZD W9ZZZZE W9ZZZZF W9ZZZZG W9ZZZZH W9ZZZZI W9ZZZZJ W9ZZZZK W9ZZZZL W9ZZZZM W9ZZZZN W9ZZZZO W9ZZZZP W9ZZZZQ W9ZZZZR W9ZZZZS W9ZZZZT W9ZZZZU W9ZZZZV W9ZZZZW W9ZZZZX W9ZZZZY W9ZZZZZ
W9ZZZZZA W9ZZZZZB W9ZZZZZC W9ZZZZZD W9ZZZZZE W9ZZZZZF W9ZZZZZG W9ZZZZZH W9ZZZZZI W9ZZZZZJ W9ZZZZZK W9ZZZZZL W9ZZZZZM W9ZZZZZN W9ZZZZZO W9ZZZZZP W9ZZZZZQ W9ZZZZZR W9ZZZZZS W9ZZZZZT W9ZZZZZU W9ZZZZZV W9ZZZZZW W9ZZZZZX W9ZZZZZY W9ZZZZZZ
W9ZZZZZZA W9ZZZZZZB W9ZZZZZZC W9ZZZZZZD W9ZZZZZZE W9ZZZZZZF W9ZZZZZZG W9ZZZZZZH W9ZZZZZZI W9ZZZZZZJ W9ZZZZZZK W9ZZZZZZL W9ZZZZZZM W9ZZZZZZN W9ZZZZZZO W9ZZZZZZP W9ZZZZZZQ W9ZZZZZZR W9ZZZZZZS W9ZZZZZZT W9ZZZZZZU W9ZZZZZZV W9ZZZZZZW W9ZZZZZZX W9ZZZZZZY W9ZZZZZZZ
W9ZZZZZZZA W9ZZZZZZZB W9ZZZZZZZC W9ZZZZZZZD W9ZZZZZZZE W9ZZZZZZZF W9ZZZZZZZG W9ZZZZZZZH W9ZZZZZZZI W9ZZZZZZZJ W9ZZZZZZZK W9ZZZZZZZL W9ZZZZZZZM W9ZZZZZZZN W9ZZZZZZZO W9ZZZZZZP W9ZZZZZZQ W9ZZZZZZR W9ZZZZZZS W9ZZZZZZT W9ZZZZZZU W9ZZZZZZV W9ZZZZZZW W9ZZZZZZX W9ZZZZZZY W9ZZZZZZZ
W9ZZZZZZZA W9ZZZZZZZB W9ZZZZZZZC W9ZZZZZZZD W9ZZZZZZZE W9ZZZZZZZF W9ZZZZZZZG W9ZZZZZZZH W9ZZZZZZZI W9ZZZZZZZJ W9ZZZZZZZK W9ZZZZZZZL W9ZZZZZZZM W9ZZZZZZZN W9ZZZZZZZO W9ZZZZZZP W9ZZZZZZQ W9ZZZZZZR W9ZZZZZZS W9ZZZZZZT W9ZZZZZZU W9ZZZZZZV W9ZZZZZZW W9ZZZZZZX W9ZZZZZZY W9ZZZZZZZ
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COMMENTS de K6DDO/Dave: "KH6&KL7s vy QSA hr bt werent hearing well. KH6IJ Cld CQ 2hrs B4 I wkd him got 369. K5CIT/KH6 also CQ'd lng time. W4BRB/VP7 outstanding/solid 12hrs/nite. Amazing, he still vy gud 2 hrs after his sunrise. Fair JA openings. Ea Mng JALYAC-JA3AA-UI-JA7AO. 156QSOs, 51mult, 10Cntrl lost YN1CW, SP6DR, XE2VB, NA. ----- Wa7ILG/Craig REPORTS ON "THE N.W. CORNER": "Disappointing-an AURO Cld r sigs bt impossible gt out my own bk yard. Oddly seemed like only the boys in N.W. W7 land affected etc. All of us absolutely called our heads off & got NOWHERE!! I was vy FRUSTRATED!! Gud hr KV4FZ, W4BRB/VP7, VP2AAA bt cdnt raise them - Southern Latitudes USA & East all elg wkg DX bt nt #7s. Dr. in DUMPS. Only 38 QSOs, 5616 pts (Last Yr 12,400) VE5XU made only 9 QSOs - gave up - had flu/ ----- VE7HQ/GORDY: W Didnt hv vy gud CQ/160 - sigs didnt cum in fr long - 10-15 mins only. H W4BRB/VP7, SP6DR, VK3QI briefly. (See above NW Corner" ----- W4BRB/VP7, GENE REPORTS: 373 QSOs, 63Mk 140x Stns. ----- W0PSR/Larry/Kansas: wkd all states bt KH6, SC, Me - wasted entire EU sunrise period listening fr Eu bt ND -160 is my only contact w/HAM radio until I finish school - QRT nw until JUN. GOOD EXAMPLE OF "ONE WAY" SKIP: Second mng KH6IJ, KH6HCM vy QSA w/W1, 2, 3, areas Clg W7 CQ/Test repeatedly fr ovr hr. Dozens ans'd but nil. THEN, all of a sudden, they srtaded hearing & wkd 1, 2 (KH6IJ gave W1BB No.8) ----- W6NUT/TOM GALLAGHER: (Moving to new QTH on Hilltop - sun lucky people!! W6NUT/6, Ops TOM & Wa6UZA/Dave fm Hilltop/Santa Cruz Mts - 17DX QSOs, Mult 58, Score 32480. Used three sloping dpoles fm 170' Tower. Also top loaded Vert. ----- W6BUV/Chuck: 12,000pts sez "Lousy Cdrn 160 QSOs Nov/Jaz, KG4CS, EQ, VP9BO, 4 WAAS, KE1KS/2, PJ9JT, ZD8ZY, VP1BA, GM3YCB, SP6DR, W4BRB/VP7, KV4FZ, HR2BN NOTE!!! Do not usually put much in W1BB BULL on CQ/.W Test, leaving that to Chas #2EQS for CQ. However quite a few fellows sent in interesting info, so with Chas's blessing hv included some info

MISCELLANEOUS

"HO HO HO IT'S 30 BELOW": Tony/K0CF Jan22/23 went out another weekend 200 mile trip to his huntin cabin in the Northern Minn. Woods beside lake to "HUNT" DX again, only to hv temp drop to "30 Below" This is surely seeking DX the hard way. Hrd nothing bt lots of LORAN! Talk about "Rugged Individual Mar 3 Tony made excursion into Minn wilds agn bt had another BLIZZARD. Bt hrd unidentified stns in DX window - progress! Tony spends most of time keeping woodstove perking!!

CEYLON/Asia 4SDS: Reported wkd by G2JL Jan22 2100. Congratulations to both!!!

W4HYX/Baker: Checks in on 160 w/70' Tower, Top Loaded w/Beam & Omega match shunt fed. Best wishes!!!

FL FIRE FIRE!!!! ERNIE/K1PBW LOSES SHACK!! His own house in country burned to Grnd/overheated stovepipe - dashed in saved Tx & Rx but tts all - tt VFB 133' Vert w/80 133' radials still OK but not much gud w/o Shack. Hopes to rebuild or find new QTH. Ernie displays admirable spirit of "Never Say Die". Sends 7c/Tns all friends who wrote/phoned, offered equip etc - sincere sympathy ERNIE fm all of us 160 guys! Glad YOU werent hurt or Burned. You've "Got what it takes"!! FLASH FLASH FLASH Word just in sez that ERNIE is operating fm another QTH within few miles of old burned QTH, and has another 133' Vertical and doing FB with it. A real "QUICK COMEBACK" Ernie - CONGRATULATIONS!!!

TOO MANY REPEAT QSOs NOT GOOD??? G/AR/Eric sez "Too many REPEAT QSOs are bad - fr example I see where D1 stn "A" sez he Wkd W1 Stn B 21 times. Very Commendable BUT it means 20 times when station end hv bn wkg someone like me fr their FIRST QSO. This happens time and again!! This applies to ALL operating activities, not just TESTS. Another point, when sigs are SOLID COPY, the loud stations should ORQ to save time & increase No. of Contacts before band QSBs out" Very well said Eric!!!

W4IR (CONGO) 905 STEVE GMBMS: There until mid-year but has no 160 gear!! Tears!! (Ex 204AK, W680)

THIS SEEMS CRAZY BUT IT WORKS: W9KYW/Chas sez he uses 208' #12 house wiring Lf ant with first 55' it laying on the grad (Rest 20' High) & wks all ovr USA. W7DL/West. Got 579 Fm W1BB/1! WONDERS!!

ARBL CW TEST 160 SECTION/CW: de W3IN/Don as W3AU-"Condx nt too gud-lots of snow QRN" Wkd 6 DX Stns 1st Sect EI, G8, PY, VP2, HB9, PY1DVG. Missed SP6DR, KV4FZ. 2nd Sect wks SP6, G8, HB9, VP2, KG4, KV4. (9)Cntrl

160 NOT ALLOWED SOME EUROPEAN COUNTRIES: (de CT2AZ/W/JHY/JAKE) sez according to article 5 of radio regs Geneva 1959 "There is no Amateur operation in region 1 for Fys 1605-2000Kc EXCEPT in Australia, Denmark, Finland, Ireland, Netherlands, Fir. of Germany, Rhodesia and NYASALAND, United Kingdom, HB, OK, Union of S Africa, Territory SW Africa; where up to 2000Kc may be allocated to HAM service within band 1715-2000Kc. The mean power of any HAM stn may NOT exceed 10w. No operation allowed in Portugal/CT1 Azores/CT2, MADEIRAS/CT3 per existing local regs 19JUN64. Denmark locally does not allow 160.

RETIREMENT COMES TO WALDO/W6ANO JULY 1st: After 47 yrs w/Power Co. Sez "Then wl try put up sun ants so someone can hear me"!! CONGRATULATIONS!!! Many many more happy days DXing on 160 Waldo!! Waldo doesnt need new ants - since Jan 19 wkd G3XVX, LIQ, RKJ, YUV-EI9J-KG4CS-OKIATP-VK3CZ, 5BC-KL7HEE-VP2A

DATATP/YARDEY PURCHASES NEW HOME :: and after VFB season on 160 (VK3, 5, 6 & Mai otr entries) He & DANA getting it ready. Wl Move in AUG. 2 KM fm present parents QTH, on top of HILL, VFB for Antennas!! Hopes QRV 72/73 Season agn. For New Sundays only. CONGRATULATIONS Yardey & DANA!!

CONGRATULATIONS!!! Couldnt get everything in BULL this time - hv enuff fr antr page but must limit

October 28, 1972

PYLDVG/ROLF::

Here 'Tiz - "Kickoff" for 72/73 160 DXing season!!

Bulletin is full of PYLDVGs - have underscored many of them

See page 6 especially for two items

CONGRATULATIONS your fine work on 160 - keep it up!!

Havent heard you lately - on a trip?? However band not too good
Be sure to KEEP ME INFORMED on "All the latest" !! News.

HAPPY DXing on 160

73/Stew

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop - 02152 - Mass.

Stew
You have sure added something nice to 160 with the
TransEQUATORIAL "Tests", summers!!

35

OCT 28 1972

1972
W1BB -- 160 METER DX BULLETIN -- W1BB 1972/1973
Stew ----- Seems O:OD as the seasons roll around, to get back into the "Swing of Things"
night! Summer wasn't bad though, and there was considerable activity by the most ardent
was most excellent with the PYLDVG/E19 TransEQUATORIAL tests a tremendous success. Good
JULY produced quite a few QSOs. AUGUST was poor, although VK/ZL activity was good until
storm of SEP 15/16/17 quashed things!! Of special interest were W6BH's operation
with "Signal One" for Sep/Oct. ----- Expeditions are more numerous - thankfully - East
Caribbean "Island-Hopping" venture a GREAT success. (See August WORLD RADIO & Hobbies). PYLDVG
FIRST ever, MARTIN VaS Isl., but plagued with S9/20 steady QRNs!! -- FP/CA, St Pierre
FIRST time ever Philippines on 160 by DUISAR. Then VR1W/K8GGA. No "FIRSTS" are also
Looking at '72/'73 we feel it will be even better than 71/72. The "Summer
more interest -- more DXers T:INS around - as well as an increasing activity
Coming operating activities are many. ARRL's and CQ's annual 160 Meter
for DEC 9/10 and JAN 27/28 respectively. Then there are the usual ARRL/CQ
many will be looking for band multipliers --- Of SPECIAL note: the
annual 160 Meter TransATLANTIC tests will be held, additionally the 6th Annual
CIVILIAN DX tests will take place. Dates and Data as published in the Radio Magazines and
are anxious to continue the TransPa Jax on 1907-1912. -- Incidentally, I'll
through JA/CQ Magazine which should be ready this season. The
continues with "Pep Via and Vigor". W1BB will publish in BULL later a list
this season it will be published. MUCH antenna work has been going
two 90' Phased Verticals from which we are getting some good performance!! A real
worked up, phased, loaded - nice work Bill!! K7HKE/Fred (he that let - see K7HKE
"inverted L antenna - with vert portion as high as possible - as
used at K7V with great results!! W1BB has BEW H-GE antenna back up
K2C-C also has beverage!! -- Of course the regular "Direct
will take place a good chance to pick up some of the "annual"
will be received it can do so by heading
"Here
"Sunset"

40th ANNUAL Trans ATLANTIC and TRANS PACIFIC "QO-BAND" 160 METER 1972/1973 DX TESTS:

To be held Sunday mornings NOV 19th, DEC 23rd, JAN 13th, FEB 11th from 0500-0730 GMT. W/VEs on 1800-1807, QZ on 1825-1830 The "DX-WINDOW" ----- These TransATLANTIC DX "Tests", held since 1932 are symbolic and also reminiscent of the original crossings of the ATLANTIC by Radio Signals of Mr. W. I. D'LOY, SCHNELL and GODLEY, 1901-1924 - and are lots of FUN!! Also, the propagation information developed is adding to and developing the technique of communication on these low frequencies, and is a very much worth while contribution to the art of RADIO. With todays receiver antennas, know-how, etc. crossings are much more frequent, but there are still many "Firsts" to be had!! Interestingly the BEVERAGE antenna for receiving, originally used by Paul Godley in 1924 is increasingly being used again!! Operation on 160 is a wonderful change from the operation on the HF bands!! One must be alert for DX openings from most anywhere over a darkness path, particularly at sunrise/sunset PEAKING times. Many "First Timers" work their first 160 DX on these tests. And they are TESTS, not CONTESTS, run for the pleasure of the operating activity without competition. Because 160 has been built up to the point where DX is more usual, and interest greater, the DISCONTINUATION OF the 1932 160 METER TransATLANTIC DX TESTS was considered and comments solicited. Many did not like to see them go, and some wanted procedure changes. Therefore they are being continued and some CHANGES made -- this is the 40th year of the tests - CHEERS!!! See "Procedure"

41st ANNUAL TransPACIFIC 72/73 160 METER DX TESTS --(Embracing the whole WESTERN hemisphere):

To be held Saturday mornings NOV 18th, DEC 23rd, JAN 13th, FEB 10th. from 1330-1600 GMT. W/VEs on 1800-1807, JAs 1907.5 to 1912.5, VKs 1800-1805, Zls 1875, OTHERS 1800-1805. These tests are conducted from 5.30am to 8.00 am Saturday Mornings PACIFIC COAST time. This is 10.30PM Saturday Evening to 1am Sunday Morning JAPANESE time. Similar to the TransATLANTIC tests, they are set to embrace the Sunrise/~~time~~ time at the EASTERN end of the path. LORAN is quite a problem with these TESTS, but have been coped with very successfully by selective receivers, noise limiters and audio filters. --- These TESTS were originated in 1967, after W1BB's visit to JAPAN and talks with the JA boys in TOKYO, and their continuation has been enthusiastically desired by both JAs and West Coast Ws alike. They are being limited to ONE per month however, and procedure changed. See "Procedure" !! BOTH the TransATLANTIC and TransPACIFIC "Tests" have been "Synchronized" to occur on adjacent dates and to keep away from the CQ and ARRL 160 Contests.

PROCEDURE

CALLS: "Cq Dx Test", for First 2 1/2 Min of Alternate 5 Min periods, listening between. W/VEs lead off FIRST 5 Min period, then alternate 5 Min periods thereafter. DX follows, first 2 1/2 Min of second 5 Min period, then alternate 5 Min periods. THUS, each, CQs 1/2 of their respective 5 Min periods, listening for answers between, or each CQs 2 1/2 Mins then listens 7 1/2 minutes. SET CLOCKS accurately!!! By W.V. KEEP to these periods ACCURATELY - This is IMPORTANT!! --- unless in QSO

REPORTS: TO W1BB, and/or to your favorite NEWS MEDIA.

BEACONS: "Beacon Stations" which are helpful in checking BAND CONDITIONS are: KVV/Denver, WVVH/Hawaii 2500Kc. KPH/~~2045~~/SF/Pacific Coast. WNU/2048/Mid USA/East Coast. WCC/2036/East Coast, and DRJ/Europe/1636Kcs

EAST COAST---TransATLANTIC---Europe/~~AFRICA~~/AFRICA

W1BB/Liberia/Lee/160!!! -- During June wkd thus far, DL9ER, OK1ATP, F19J, H89ML, E1EH, GW3UPK, G3ICW, G3AP, PY2DQ, OL1AOH, W1HGT. During JUL: G3ORK, W8ANO, EP2BQ, KV4FZ, G3YUV, F1IDWG, VP5KF, W1BB, W1HGT, W1RIS, W1RIS, Hrd W7FS, GM3DF, YGB - VE5XU, VE3QH, W4BRB, W4RPF, W2BP, W4S1J1, W1FJ1, W2IU. Hrd W4EL, F1450, G4HL, W7YS. Limiting factor seems QRN level, many weak signs under 59QRN unable read. REGARDING 160 DX there are differences in operating techniques on 160. Nv often remarked it there R-ry for QSOs with on 20m esb. - The atmosphere on 160 is completely reverse! No Cut-throat band, no obscene remarks or deliberate QRING. In fact everyone seems genuinely concerned to help others also whatever DX is on. In short, DXing on 160 is still a gentlemen's hobby - they way it was originally started, and I'm seeing why many prefer this type of DXing. -- Another angle - there is no problem either, since the No. QSOs much less than HF bands - most stns QSL direct. "Why!!" -- W1BB comments Lee/Trax a while. NOTE!! W1BB had big fun with QSOing Lee/559 on 160. Report from A Harrington Maine was received. QSO and took up Radio Shack 160 3 Roll

AMERICAN JONES de WARRD: Gene rpt most unusual DX arnd 1/3 on 160 Sat mlt/Sun am
- 17/18 June "Cond were sure weird!! At barely dusk ~~FLD~~ came roaring in bare 500". His target
was something was up - looked yr 189W. 0030 QSO'd ~~WARRD~~!! Then had ZD9B reply, his QSO
0107 QSO'd VP8KF/359. 0140 hrd EL2CB. ZP9AY also coming thru. "AGNES" was 250 miles west of hr -
Calm Beach Fla. Had gales/much QRN, cudnt read sun sigs - but - BOY - it was FANTASTIC!!! while
it lasted. If it hadnt been for that hellish QRN factory winding up off Tampa I'm sure I'd wkd more
becuz they sure were there!! Something uncanny abt condx too. North of the Fla/GA line only hrd
WIBB and WINGT very weakly - how about that!!! - Most interesting Gene, Tnx, another of the trd
that make 160 so unpredictable and most fascinating!!!

SPNE/BRICE CONGRATULATIONS COUNTRY No. 62:: w/VP2DAE 15APR. Also FB 71/72 list H8ONL, DL1KR, KV4P,
Z4BRB/VP7, HR2WH, YN1CW, 8P6DR, VP2A, PY1DVG, VP2MAD-DAE-LH, FM/ADT all with new R&B Receiver - VFB!!
DL9KR/JAN & XYL HAD "CLOSE-CALL": When little Son "Jan" got Meningitis MARCH - almost lost him -
Thankfully after 5 Wks much btr/wl be OK. All 160 friends express sympathy, then joy that all OK
th. No wonder Jan wasnt on air more. Any "Apartment-Dweller" wanting info on th "Super" 160 roof
ant of his (See BULL #3) send him SASE for sketch. WHAT a signal it puts out!!

COMPARISON by YARDY/OKIATP:: ~~WARRD~~ 70/71, 85 hours, 130 DX QSOs --- 71/72, 109 Hours, 95 QSOs.
Seems like 70/71 btr!! Good wk. New QTH now - trying for RHOMBIC plus W6JK beam. MAY/JUNE QSO'd
WIBB, HGT, PY1DVG, EL2CB, ZD9AY, VP8KF. Has Inv Vee for present - luck JARDA!!

MAY CONDX "SUPER" PER K2GNC/Bill:: Sez DHJ S9 Plus 20!! W1J OL5ANJ for 589!! QRN Terrific tho.

1000ft "BEVERAGE ANTENNA" AGAIN TESTS "SUPER": WIBB/1, "Villa Mon Repos", Maine during SEPT got
"Beverage" that had been ruined by ice storms last winter, back up again and tested on DHJ, OKIATP,
OLJAOK and G3VYF signals. It is absolutely GREAT!!! Signals on 500' horizontal Vee were 369/479
but on BEVERAGE 569!! - a wonderful improvement in S/N ratio and clarity of rec'd sigs - even tho
sig is weaker - NOISE much less!! QRN is way down!! Very directional but does quite well on back
end - only fair on sides. Can copy sigs impossible on other ants!! Oh for BEVERAGE home in Winthrop

"VALENCIA RADIO" EJK, IRELAND ON 1827k:: A low power ship/shore fone stn 10.20'-54N & 51.55'-88W
may be heard occasionally when band is good!!

"VOICE OF AMERICA" de W3PA/Dave:: (Ex W42Q, W8BFW) sez 160 HAMS should look over VOA site in Fla.
"A" Tx site perimeter 8 miles. "B" bit smaller. "C" quite small. 390 steel towers - 22
transmitters, (6 of them 500Kw each) and a daily electric bill \$1000.!! Ho-Hum!! (Dave retired!!)

UNFORTUNATELY GUANTANAMO BAY KG4CS/Barry/K4CSY IS QRT:: June 23 after a wonderful "show" on 160.
Over 1000 160 QSOs, 37 states, 31 Countries, 4 Cont. (Hrd but cudnt raise KH6IJ/HCM/58-9!!) On
GM/WW/160 broke both the NA & 1970 world records on 160 w/10zones, 21 Cntries, 243 QSOs, inc. "FIRST"
GM 7 ZD8!! Real nice wk-eh?? Used 1400' LW N/S across salt water, 120' high one end, 80' high over
water to far end, and 80 watt ART13 2/"soft" 813. Used double conversion RBD/SX43 Rx!! GET THIS!!
sez - "I have been suprised at the very low rate of QSL requests. Doubt hv sent ovr 100 QSLs for
160. Guess the pleasure is in the contact, rather than the record of the contact". This
seems strange, but there it is!! Barry now bk K4CSY "Schooling" Law/Phys/Computers - Congrats Nice
deal Barry and 7884 points CQ/WW/all band/160 sect!!! World leader.

NETHERLANDS S1L/NL216/DICK:: Put in a good JAN to MAY hearing many W/VEs plus VP2AA, KV4PZ, etc.
W/CA/Rich (K2CJD) ST. PIERRE/MIGUELON:: W/ DRAKE "Twins" again on 160 last wk of MAY/1st wk JUNE
have many new entry inc FIRST EVERS KV4PZ, EI9J, VP8KF - many otrs - Nice work "Rich"!!

OKIMEN/"Martin" (Ex OL5ANJ) ACTIVE:: Testing ants - bldg Rx - has 17 entries w/PY1DVG. QRV/160 FB

H2TR/GEORGE BACK ON 160:: Aft absence 6/7 yrs but can only hv 60' wire his small lot. TEARS!!

GW3ICB UNIVERSITY COLLEGE N. WALES:: Ops G4BEG/Mike, G3WKH/Robbie, G3WKS/Mike, GW4AQR/Ian. During
MAY/JUN '72 QSO'd EP2BQ, FP2CA, PY1DVG, VE1ZZ, WIBB/1, HGT, GBP-WALFID-K2ANR - hrd ZL3RB, ZP9AY, VP8KF,
ZD9BM, KV4PZ, FG/ADT/FS7, K6DDO/229!! VE5XU/349 Plus 1, 2, 3, 4, 8, 9, 3/VE3. Believes repeat QSOs OK if
discretion used. Re "Marker/Beacons" - they are not always accurate condx indicators. (Right) but
helpful. They figure that all told during past and present there hv bn 237 entries on 160 that
could hv bn wkd. (Many not on any longer tho!) Tnx G4BEG/Mike. b.c.n.u. 72/73 - luck!! - 36

K2GNC/BILL = ANTENNA JORM:: Put up phased 90" vert array towards Eu - 130" Spacing. Had real "Fun"
w/ tuning up, but nw has 20 DB ovr S9 front vs. S3 back or (6DB) Front/Back ratio. Also hg BEVERAGE
in QTH L.I./N.Y. Bill has had a BUSY summer. Hope it works out "Fine and dandy" this season!!

CONGRATULATIONS G3T3M/BILL:: After trying faithfully since 1968, finally "Crossed" QSOing WINGT!!

SEARCH/PAT:: Hd trbls w/corrosion in 60' top loaded Vert load Coil!! All fixed nw fr 72/73. Sez,
"I always listen for DHJ and if he is 569 or btr how can wk Eu" Has 28 Cntries nw. Wkd EI9J JUN/73

NEWCOMER WJGA N/ERNIE:: Retired Chief Radioman USCG hopes wk 160 this fall for 1st time - w/65' vert
array. QTH in hill 1/4 mi fr Mt. Hope Bay - here's another RARE R.I. Contact - best luck ERNIE!!

... 7/23/72 QSOing EP2BQ for final continent!! Now
her 12 countries too!! and going "Great-Runs" - Keep up the nice work Chas!!

WAC/160-CONGRATULATIONS WIKET/RALEN:: Completed JULY. (CW/WAC/1970) VFB indeed Ralph OM!!

CONGRATULATIONS W&NO/WALDO ON RETIREMENT:: From OHIO EDISON Co 6/30/72 after 47 yrs service!!
Waldo made 78 Entries by QSOing EL2CB 6/30/72 - a fitting retirement celebration - same date!!

YUV and G3ZEM WILL BE SPECIALIZING ON SSB 160 DX QSOs:: Beginning NOV/DEC weekday nights 2300-
2400s, Fri/Sat nights 2300-~~2400~~ to 0200s. Note FY!! 1880kc, listening 1880k also 1800-1810k. Will
have M200B & good serials. YUV/Fred made 1st G/Asia, SSB/160 QSOing EQ2BQ 8/1/72 - CONGRATULATIONS

STATION IN MAINE Ex W2RKS/"Jack" Temp. W1F2H:: Now awaiting W1 Call. Has vfb 160 ant - 2 half wave
in phase, high up, excellent sig/noise ratio - hopes good results 72/73. Jack Ex Comm'l Opr, WSL & at
ships - should do well. Also has BEVERAGE Rx ant. Hears Eu well & VK/ZL on 80. Welcome Jack!!

HUNGARIAN ISWL/HALLOSZ "JANOS":: Wl give "Serious Attention" to 160 S.S.ing this season! Fine!!

AUSTRIAN "AOEG" 160 METER CONTEST:: 11 NOV / 1800s to 12 NOV / 0200s. QRS QSW 1823/38, 1854/73,
1879/39. EXCHANGE RST and QSO No. beginning w/eol. CALL "CQ OE". Prizes,, Pennant & Diploma. Each
QSO work'd is 2 points. LOGS to OE7GB. This is a very FB annual 160 meter TEST. LUCK!!!

ASIA/EP2BQ/HARRY CONTINUES:: (See BULL #3 p4) Here's your chance for WAC gang!! Using bent Inv VFB
200s linear, Harry, MAY thru July9 contacted G3RKH, ZPS, TKF, OLI, XTZ, ZYY, YUV, ZRH, SXI, JAP, IGW, YMI, ZL
13, TSA - OKLATP, OLIAPC, OKIMPC, OLIACH-EI9J-QAAW, AKI-GW9UCB, UPE, RTA - G3GWF-2D9BM a stroke of LUCK
EP2BQ-GG3ZES-EL2CB-PYIDVG-VP8KF!! (PYIDVG is SS "1st EVER" S.A./ASIA on 160) ---- TOTAL nw 16 Countries

only needs OCEANIA for WAC!! PYIDVG was vy elusive. Hrd first 18 JUN - QSO Jul 7th for "FIRST EVER"
S.A./ASIA. VP8KF lat ever EP/VP8!! Sez wl b vy active winter season. Plans top-loaded vert soon.
Distressed becuz hasnt hrd more Ws. Sez "lonely hr not to hv locals to compare notes with. Hrd
EP2BQ. AMAZES at what can be done on 160. VFB Harry - keep up the good work. NOW, as of 26/July, has
QSO'd W4LPP, W1HOT, W1BB/L, W2EQS, EL2CB and OLIACH - Now has 18 Countries. CHEERS!!

WEST COAST -- TransPACIFIC -- FAR EAST

THEE/FRED:: Left KL7 this summer - sure wl b missed as KL7 this season 72/73. CONGRATULATIONS on
excellent job 71/72 especially for a remote ALASKAN Panhandle!! Wks 29 states, 13 Entries. Used
inverted "L" 260' long and thinks this best for 160. Operating now as KL7THEE/W3!!

FB RECORD de W7DZO/Doc, BAINBRIDGE ISLAND, WASHINGTON:: 71/72 Season - Fw South end, site of former
former NAVY receiving sta w/folded MARCONI semi-vert, modified RBB Rx & Home Brew Tx. 1st DX PYIDVG
then VPS, 2, 9, 1, 7, -HK6-VS6-Ja7-CK3-HK1-XE1-KL7-8P6-RV4-Qa-ZL-FJ-GM-HR-KP4!!! Also "WAS"!!! Hrd ZDRK
69 - Hrd EI9J 0715z 1829 DEC10. - NOV 10 Hrd DHJ 559/589 for 8 hours. His 160 interest aroused in
OCTO/1959 as J02H. Recognized challenge - built 200w, 211 final Tx w/hertz ants - wkd all Conts
except Asia - moved to N end of BAINBRIDGE. w/100w wkd 17 Countries!! Has BIG PLANS 72/73 w/ 3/2kW
colinear ant in phase BEALED ON EUROPE 1805kc - 85' high on 3 poles. Wl also hv 2 complete stn!!

STATION/W6PYR/JOHN:: Becomin' increasingly active on 160 w/DRAKE "Twins" - welcome/best DX!!

ASAS/"SAS":: Is very keen to make "WAC" de Ja/land. Member of "JAPAN LO. BAND ATTACK ASSOCIATION"
over 100 JAs on 160 and many anxious for TransPACIFIC QSO!! Best of luck "SAS" - b.e.c.u./Terry

JOB/MORE DXing FOR GORDY/VESXU:: Sez, nw wkg Govt Greenhouse/Gardening, (His second hobby) the
year/around - always wanted this - now can hit SUNRISE DX regularly and is knocking off VKs often.
A QSOs in MAY w/ ZL1AYG, 3OX-VK21S, 3CZ, 3AKN, 3QI, 5BC. Likes idea of making CALLING period for calling
1/2L/DX etc the first 2 minutes of each 5 minute period - this synchronizes w calling - HOPES all
will adopt this procedure, keeping the last 3 min of period clear for DX. (Suggested by W1BB) FB Gd

HAWAIIAN SITUATION de KH6RS/K2SIL/BILL:: Active stations KH6RS, (K2SIL Trustee) MAVI RC/Contests
KH6J/Nose/Contests - Loading HyGain tower guys w/Ranger --(KH6GCM was an ocean/excellent grad - now
moved to Fla) - KH6CHC, N. OAHU - KSCIT/KH6, Loaded HyGain - BILL sez "Rumor has it, all KH6s on the
Isle!! Let me clarify - since fy changes all except CHC hr urban QTH & Miniature ants. Next, all
the guys Tx low end, along w/local LORAN stn. If LORAN doesnt get U (Stay below 1805) QRS will. And
finally, we are Tx High End, no QRN, Propagation betwfr. 2mhz is 10% higher than 1.8 - that work
has absorption. My advice - call on high end if you can. 1/2 hr R/ ur sunrise best. KH6RS/ok

GER HAKES 3rd #6 WAC!! When EI9J QSL'd their 1972 QSO on 160. CONGRATULATIONS!!! (W6MIP
made "1st EVER" when he QSO'd G3PU JAN 1962). K6DZC Made #2 3/11/66. BICE WAS! Eu de W6M

ANT/OM HAS 1st VFB 160 QTH:: On top of 600' Hill with 39' tower. Plans to use in folded HRT
configuration/160. (Cant get radials though). We'll be hearing "BIG SIGNAL" this 72/73!! FB & LUCK

160 HANDBOOK To be issued by JA3AA in cooperation with JA/GQ Mag during 72/73. VFB Ed!!!

WORLDWIDE Y-LIKE July 26 Nr VK9 - JA 24 Nr VK9 - JSA 1802-9 around 1000 - hr may

TWO COUNTRIES FROM ONE SHACK: By W6BRU/Jim, who with "Signal-One" activated 160 VR1W, British Phoenix Isl, and KB6DA, American Phoenix Isl, between SEP 12-OCT12. QSLs via W6GUF. VFB Jim

"WAY DOWN UNDER"

FENCE ANTENNA STILL IN USE BY VK6/swl ALLEN: L.W. runs around yard on top of fence about 5 ft high on insulators. In use since 1970 has given most EXCELLENT ACCOUNT of itself on DX!!!

PAST SPRING'S EQUINOX WASNT SO GOOD: Account of a large solar flare 4 wks B4 Equinox, MAR21st. However W4EX wkd VK3CZ and ZL30K Mar 24 1145z. (W1BB was hrd 449)

THIS FALL '72 VK/W EQUINOX PATH de VK6/swl ALLEN: Sez Condx nearing Equinox hvnt bn good this fall for VK6. VK3 and VK5 seem better. Has THEORY that maybe the Sunspot No. is TOO LOW !!! (Didnt think THAT could happen!!) MAYBE there is some OPTIMUM Sunspot No. where Condx are best, but above or below which things are WORSE! George is investigating this - quite an IDEA George - let us know!!

PIRATES and SKEDS de VK6HD: Sez "Last season many stns reported hvg QSO'd me. I was credited w/ LOTS of EU QSOs - thanks to "Pirate" operation. To set the record straight, I was active only 2 days at times when it was possible to QSO EU. The First was 27DEC71 2030-2115 when I hrd HB9NL & HB9CM - NQ QSOs. Second was 20JAN72, QRV 2100-2145, QSO'd G2JL & HB9CM. Hrd/Cld OKIATP="Nil". -- My great interest is 3.5 & 7.0 Mc - but will be glad to make skeds with 160 DXers requiring VK6. Although VK6S, VK6HD, KK, IZ, AI, CW are all Quite QRV!!" -- Thanks a lot Mike for clearing up matters.

JOHN/VK5KO TAKES FABULOUS TRIP - to EU/OLYMPICS/Etc.: Left Australia Via Ship June 2 Via TAHITI, Panama Canal, Curacao, Azores, Southampton. G6CJ first base of operations. Down Rhine to HB/land, HB9CM/NL - Munich DLIYA Aug/Sep to watch Olympics. (Musta had quite an experience with all tt trble Hoped for G & DL tickets and maybe sous 160 wk!! Returning Via Canaries, Cape Town, Fremantle - an "Around The World" adventure, arriving VK agn R. Imas!! WHAT A VACATION!! Wonderful/John. Recent word sez John had GRAND 5 week trip on BRITANIA. Cwks w/ G6CJ & G3VW - then at Olympics!!

PATIENCE - PERSEVERANCE - COMMITMENT - THAT'S VK3CZ/ART: IS ON THE EV-ERY DAY 160 MAR/APR/MAY/JUN/JUL (Except for short trip to hospital. His LOGS of condx, DRJ, WNU, KFI Etc MOST interesting -- Band open most every day - many nice QSOs w/ VE5XU especially who is also faithful and regular. Also mad FIRST EVER VK/ HB9NL, PA/FN, OKIATP, KL/THEE, W4EX, W8ANO, W4BRB - nice work ART!! During JUN hrd VE7UZ, VE5XU, W1WIKI, W4SLJI, W4SGF/4, W7DL, W8LRF, KV4FZ, W8AFB & DRJ!!! No QSOs. -- During JUL hrd W4SLJI, W1WIKI, W4EX, VE5XU, W7DOL/6. -- FIRST 72/73 Season QSOs VE5XU, W7DL/7, W7DZO, Sug 1-5 "WHOOPEE" Congrate!! Then SEP W8ANO/5sb, W8AIB, W2UND/3. If you need VK, ART will be glad to keep skeds with you.

MARY/CLAUDE SETS THE PACE!!! ; Chief US "Way Down Under" QSOer. Worked TASMANIA (A new one) VK7JB 1875k MAY 26 and ZL1MQ 1803k JUN 3. Everyone reports his signals TERRIFFIC!!! CONGRATS!! (de W4FXP)

NEW VK STATION ON 160 - DAVE/VK3ARR: Using 807, 80m dipole, Inv Vee w/300ohm line & lots Radials, Wartime HRO 2/5s filter. Has bn hrd well by VE7RQ while QSOing WA/4QB/KL7. Nice start Dave - luck!!

VE5XU/GORDY WORKS 'EM!!!: Since MAY QSO'd VK2EO AVA, LS-VK3CZ AQQ, ABR, AKN, APN, QI-VK5BC ---- ZLJAYG, W4AQ, W4 - ZL30K also!! SWIAL!! (W4EX also QSO'd at ZK2DX). Gordy/Sez "ZLs wkd most daily thru sum summer - ironically hv QSO'd MORE VK/ZLs than W/Zs this summer"!!! ZLJAYG Moved QTH/Call to ZL3AG

REPORT de ZLJAYG/"Tony" to be ZL3AGY: Tony in short space of time has made quite a record on 160. Prefixes 9 - "Pirates" KU7, PY, OA, SWI - Prefixes, VK2, 3, 5, 6, 7, - ZL1, 2, 3, - SWI-ZK2-KL7-W4, 4, 6, 7, - Q48 - PY1, 2, - JA3/ag-VE5. Moving QTH to Holland House, Tasman St, Wellington. New Job/police communication HOPES B on 160 72/73 --- During ABR-JUN Hrd W1BB, KXT, 4BRB, WA7ILC, W4SLJI, EP2BQ, KV4FZ, VK9GN. QSO'd W4EX/Several - VE5XU/Many. "1st EVER" SWIAL - ZK2DX - W7DL/7-JA3SVG/um, 22000 ton GENKAI MARU in Cor CORAL SEA!! Congratulations Tony - VFB and best of luck - b.c.n.u. 72/73!!

LOOKING SOUTH

VEBIA/Carl PUTTING ARGENTINA ON 160 DX MAP - CHEERS!!! (We hope - hasnt been hrd lately) -- CARLOS G3 QMA, OOTC, CHC, FHC, IARJS, ARRL, OTC, DXCC, 250C - Retired Electronics EC & Comm'l Engr - 25 yrs w/ ARGONI "LU" Ch Eng - last job erecting TWO 100KW Marconi BC Stns w/364' Towers!! Originally on 160 prior 1925 - left 160 to wk DX otr bands/ NOW sez "Back on 160 after 47 Yrs! Hv Quit CHC & Otr boards chasing and think 160 effort a REAL Challenge!!" - Sure happy to hv U on 160 Carl! Uses 600-900w into WINDOM in poor QTH/apartment house complex - but has already QSO'd VF8KF, PY1DVG, CX2CR.

THE CARIBBEAN ISLANDS EXPEDITION BY AL/WZBP COMPLETED VERY SUCCESSFULLY: From St. Martin/FM7C to ANS7 - Montserrat/VP2MD - Dominica/VP2D - Martinique/FM/ADT - ST LUCIA/VP2L - St. VINCENT/VP2S and GRENADA/VP2G. NEVER before has such a comprehensive "Island Hopping" 160 EXPEDITION been accomplished!! 243 160 meter QSOs w/54 different stns. FIRST QSO Fm VP2D & FM7 were with SP6DR. WZBP, W2IU, HIGHEST rate of contacts was fm VP2LU between 0357 & 0456 18/APR, 20 Contacts!! Used 100w with 170' 14 Grid w/cap. 2, 133' wires. All places VFB except St Vincent which had an antenna which with his narration is most

THX AL FR GIVING SO MANY, NEW COUNTRIES!! (Brought W1RB to 112!!) THX: Your patience, perseverance and EXPERTISE in starrng over a year ahead with plans & "Red-Tape" for licenses, equip, QSL etc is most commendable and resulted in the perfectly executed DxPEdITION!! QSL erds VFB too. We are happy to know tt future DxPEditions are a possibility with you. ALSO tt your other (Main) objective of reaching re the BAHA "I FAITH was also so successful. THX and Congrats fr the whole 160 DX gang!! Incidentally W2BP has wkd 54 Countries to date = 41 This season 71/72 = CONGRATS AL. Keep Going!!

CONGRATULATIONS ROLF/PY1DVG - TransEQUATORIAL TESTS ETC!!: Rolf has VFB new QTH w/InvVee, apex 70 a terrific sig - Nw we hv "Marker" Stn in SA!! CONGRATS also Very FB N/S Tests. Sez N/S June tes resulted these QSOs: - G3VYF, EI9J, DL9KR, G3YMH, GW3UPK, OK1ATP, HB9NL, GW3UCB, EI8H, G3ORP, G4AEE, G3IGW, G3XVY, G3XAP, OL1ACH, EL2CB, G03ZES, G6BQ, G3RKJ, G3YRO. SOUTHERN Participants were VP8KF, ZD9BM, LU8BAJ, LU6EF, ZP9AY, CX3BH, PY2FIQ, PY1DVG. THX to PY1DVG & EI9J for organizing - a WONDERFUL Success!!!! Rolf Nw has 36 Cntries. QSO'd ASIA EP2BQ for his "WAC". A "First/Ever" SA/ASIA Too!!! CONGRATULATIONS!! For "WAS" needs RI, VT, DEL, AJA, MISS, N/MEX, OKLA, IDA, MONT, NEV, WYO, COLO, N/DAK, S/DAK - who can help???

EI9J/PADDY CO/ORGANIZER ALSO REPORTS TransEQUATORIAL TESTS: Sez "ACTIVITY reasonably high - Dd hrd hr evry day -- dot so many peaks as previous yrs - MORE QSOs by PY1DVG, less by ZP9AY - QSO'd ZP9AY 20 times all arnd 2315z - pattern different this yr - Southern sigs poor at Eu Sunset -- Vy consistent VP8KF in noise 0030z peaked 58 at 0400z - BEST day June 18 -- DX wkd by EI9J: EP, EL, VFB ZD9, ZP9, plus many Ws. Hrd CX3BH. EUs wkd: G, GI, GC, GM, GW, DL, HB, OK, OL, PA - Believe activity will hv ba NIL except for organized tests -- Special commendation to LEE/EL2CB braving continuous QRM!!

SUGGESTION: Condx usually difficult most QSOs;; for btr copy/speed, suggest "RS" of RST only be sent - full RST can be put dwn in log or QSL" -- THX Paddy O.M. - CONGRATS, your fine consistent pioneering on 160 over the years. WHAT THINK fellers about the "RS" Bizz??? Let Paddy know - me to W1HGT/RALPH's JUNE LOG VFB!!

W1HGT/RALPH's JUNE LOG VFB!!: KG4CS, PY1DVG, ZD9BM, ZP9AY, VP8KF, EI9J, OK1ATP, EL2CB, G3VYF, CX3BH. NICE!! VP8KF/JOHN FALKLAND ISLANDS: W/KW20CA Transceiver is doing wonderful job putting this rare spot on 160 for the FIRST time!! QSO'd KV4FZ, KP4AST/sab, PP4CA, W1HGT, W1BB, PY1DVG, W7DL/7 W7DZO and others and hrd many others!! Wonderful DX considering how far South it is!! To date 6/10/72 wkd PY2, PY1, ZD9, LU8, LU3, CX3, KP4/sab, KV4/sab, cw, 8P6, EI9, VP8 So Orkneys, PP4CA, W1, W2. GREAT JOB!!!

ZD9/Roy (GB2SM) - TRISTAN de CUNHA: On 160 DX map for first time too. Up to June 1st QSO'd: PY2, JH, BKO, LMCF, 1DVG-ZD8AY, KV4FZ, 8P6DR, ZP9AY, EI9J, G3LIQ, PA4PN, HB9NL, DL9KR, VE7UZ, VP8KF. THX!! CU, 72

KV4FZ/Herb - PJ6/SABA: Installed BC stn w/125' tower at 1600' asl on Edge of CRATER, 1KW, 1435 KHz. Intends to use tower on 1.8 Mc when he gets there for inspections. Keep ears open for this one!! Congratulations Herb for No.82 Country with VP8KF 5/30/72 - NICE!!!

SOUTH AFRICA ON 160: That is: IF "Ollie", ZS1MH completes his plans. Intends 60' top loaded Vert Antenna - tryinghard to find a 160 Meter Transmitter and Receiver - here's HOPING!!! Look "Ollie"

G3XAP/Phil - ACTIVE IN TransEQUATORIAL TESTS: Worked PY1DVG. Nw only needs VK/ZL for "WAC": Has made observation of PY1DVG and DJJ simultaneously and is trying to develope means to forecast when G/PY path will be open. Has a lot more wk ahead tho. Hope tt works out. Nw uses Inv HEB L ant w/ abt 40 grd radials. Hopes Hv 60' vert in service 72/73. Keep up the good work Phil!!

CONGRATULATIONS PY1DVG DxPEdITION on "FIRST EVER" NEW COUNTRY on 160 MAP: Rolf Activated fr TRINIDAD Aug 11th w/DR1A. "Twins" putting this country on DX map by QSOing EL2CB, W4EX, W1HGT!! Nice Going!! Sez QRM "Frustrating" S9 plus 20 steadily-no peaks/valleys - just solid noise Wall. Lucky to wk 3 stations!! Had to go back on same boat - makes trips every 2 Mos only - so only 15 1/2 hrs operating. WILL go bk agn sum day - not soon - but IT'll hv to B fr more than 15 1/2 hrs!!!

"THE DX WINDOW"

BIGGEST "DX WINDOW" QUESTION: Fr observations during '72 CQ WW 160 TEST. WHY??? Do regular, 160 DXers who benefit most by havi g the "Dx Window" kept open, VIOLAT IT WILLFULLY when a DX station listen'ng/working on a "Dx-Window" fy appears?? This is really setting a bad example for any other either "On the fence" as to respecting the "Dx Window", or newcomers not understanding about it, and to oth rs who have previously respected it??!! It is tempting, of course, probably more than any vid contestant can resist for an extra MULT plus 10 points. Maybe it is a case of "The SRO's exception proves the rule". Fortunately when the stn has bn wkd, the gang clears out of the "Window" quickly. Other than this, the "Dx-Window" wkd vy well the entire contest -- except for one guy, an isolated case of WILLFUL QRM in "Window". Fortunately it didnt last too long - it was an unidentified station making unsigned transmissions/switching carrier back & forth over DX Signals.

SPECIAL "160 AWARD SUGGESTED"

W1HGT/RALPH's Gm DXACC sez ARRL Dx Advisory Coma voten 7 to 1 recommend HQ Establish same.

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop - 02152 - Mass.

FEB 8 - 1973

PY1DVG/Rolf:

HERE 'Tiz - "All the latest" on 160 for you.

SEE Items I have underlined with crayon

CONGRATULATIONS your **EXCELLENT** work on 160!!

BOY the other night you were "Super" 589 Steady!!

THANKS for helping me to QSO ZD9BM for my No. 114!!

THEN little later 4W1AE for my No. 115 - GREAT night !!

KEEP up the good work

73 de Stew/W1BB

KEEP me posted any new DX around!!

JANUARY 31 1973.

W1BB -- 160 METER DX BULLETIN -- W1BB

1972/1973 - No. 2

de BB/Stew ----- At the mid-point of the '72/'73 season, Things are looking pretty good!! As expected, with the lower sun-spot numbers this season, DX is better. It doesn't show up as being better from day to day so much, although it is, a little. But by the good conditions coming in surges, more frequently, often with "PHENOMINAL", "SUPER", "FABULOUS", or "BEST EVER on 160" conditions, to quote some of you. January 6/7 was one of those times. Since the last BULLETIN, W81JI made a resounding "FIRST-EVER", W8/JA7AO Dec 23 QSO, the furthest EAST JA ever hrd/worked. OKIATP wkd W7DOL/6, another FIRST: K6UA QSO'd G3ZEM. Other Eus wkd W6!! W1BB, W4EX, otrs wkd VP8KV, W1HGT/W4EX/KV4PZ wkd VRLW/KB6DA. 4W1AE/ASIA wkd W1HGT, W2QD, K2GNC, W1SG, VE1MK. With Swatts/QRP, W9PNE wkd 40 states plus ZF1G and other DX. SWLs active with lengthy lists of DX hrd. More "WAGs" completed - (Total issued since No. 1, to NOV/72 is 31. Write BB for list. As of NOV/72, ARRL issues brand new SPECIAL 1.8 KHz WAC Certificate. Prior holders may exchange OLD for NEW. Write ARRL, 3 W4WFL/1-Morgan). KV4PZ wkd many "New Ones" - Nw 88!! TWO "Maritime-Mobiles" active. ELN/mm in Caribbean wkd many Ws, and JA3SCG/mm on Pacific QSO'd W9PNE, W4EX, otrs. W3JAK/mm South Pacific QRD Antarctica, SWLs Ws etc. More DXpeditions wkg 160. W6BHY/Jin's to VRLW/KB6DA, "Two Countries in ONE shack", and Venezuelan Radio Club YV/AA's to Aves Island, BOTH, intriguing and successful!!! Others, unsuccessful. MORE planned!! W1BB - this 72/'73 season, thus far, Sept to Jan 31 has worked 120 different DX stations, in 37 Countries, which includes TWO weeks "out" for SS FRANCE, Caribbean Cruise, visit SP6DR, etc, missing "The Best" weekend Jan 6/7 and "New-One" YV/AA, - as against 25 Countries/86 different DX Spys, at same time LAST season. THANKS to improved Condx. About same Hrs. Probably the MOST IMPORTANT item towards continuance of good 160 DXing, is preservation of the "DX WINDOW". The idea has worked out fairly well thus far, and as a result DX signals can usually be heard & worked 1825-1830 Kc. HOWEVER we do have serious problems. First, because of the great influx of newcomers to 160 who haven't learned about DX and the "WINDOW", and secondly because of 3 or 4 fellows who INSIST operating there regardless. Otherwise Cooperation has been most excellent. There is some consideration to requesting "PARTITION" for CW/Phone segments. Send ideas to W1BB. NEVERTHELESS, it is important that ALL of us keep talking up and explaining to intruders, in a NICE way, asking their cooperation to help. Thanking them. NEVER should hard or unbecoming words be used or retaliatory tactics, blocking, jamming, etc over the air. REMEMBER, they have a RIGHT to be there. We must persuade them to please be good fellows and help - NOT "TELL" them!! NEVER be curt, or, arbitrary regardless of what they say or do. Be patient and perseverant!! OK????? Let's TRY!!!

Let's WORK TOGETHER for HAPPY DXing on 160!!! 73 de Stew/W1BB

TransATLANTIC DX TEST No.1 - Nov 19 -- Did not have too good conditions, nevertheless the following made crossings: G3ZEM, XUV, YUV, ZYY, SZA, RVM, YRO, PU, IDV, OKIATP, G2ANR. -- W/Vs were W1BB/1, PL4A, KL1CD, K2BQ, Wa2HNK, W2HUG, AQT, W4EX, Wa9NKT. Wx Clear/cold/35F/calm/moon w/ QRN!!! HA/14087/sw/

TransATLANTIC DX TEST No.2 - Dec 24 -- Cndx NOISY, SKIP fair, Wx cloudy, windy, 34F. "Crossings" G3DC, ZEM, WTB, VRW, YMI, WXU, SZA, G6BQ, GM3WDF, OL1AON, OKIATP, FCW. Participants "down" this season.

TransATLANTIC DX TEST No.3 - Jan 14 -- "MCR'd" by Chas/W2EQS who rpts condx VERY POOR, a "Wash" but OKIATP, G3DRQ, YRO "Crossed" w/ 229-339 sigs. TOO bad about condx. One more FEB 11th to go!!

TransATLANTIC TEST "FLASHBACK" -- From recent QST, "50 YEARS AGO" Item, after original crossing in 1921. ----"Some of the glamor and challenge of the TransATLANTIC tests has diminished. 91 W/V stations were already hrd in Eu during the preliminary warmups for the main event. Amateur stations are getting around the PACIFIC too. A shipboard operator logged several dozen Ws off coast of WA. CHEERS!!! KV4FZ/Herb QSO'd VRIW and KB6DA!! --CONGRATULATIONS!! -- Herb has bn hrd 599 plus sigs w/ KV4 fm 8dost tower at "Super" QTH using small inv "L" @ 30'. What'll it do when he gets it up h

FIRSTS!! FIRSTS!! FIRSTS!! W4IAE/John: (Ex VP9GT-MP4BJI- Nw G3PQA) CONGRATULATIONS, putting YEMEN on 160 - QSOing Nov11/Dec3; DL9KR, OKIATP, EI9J, EP2BQ, GM3WDF, G3YUV, 5Z4KL, W1HGT, K2GNC, W2CQ, V2 WISG!! VFB "First-Evers". Nice work, as usual, John OM. He is usually on 1825-1827 Kes for W/Vs

IS CQing OBSOLETE?? -- Waldo/W8ANO sez: (After listing VK3CZ, AKN, AXZ-KL7CL-EI9J wkd Sep/Oct) "I NOT old "CQ-DX" on 160 in TWO yrs, but every DX QSO on 1805 has bn plastered w/Ws CQing DX. One counted 12 Ws CQing DX at once. I believe it would be wise for all DX to LISTEN 1800-05". VFB Waldo - BUT, someone has to open up the band, dont they?? And all DX are not allowed 1825-1830. HOWEVER!!! We are already URGING, (See BULL No.1 72/73), a cut down on UNNECESSARY and long CQs to the first 2-2 1/2 min only of each 5 min period. This leaves 2 1/2-3 Min of quiet each 5 min period. All W/Vs should CQ during FIRST 2-2 1/2 periods of each 5 min period only - Boys, set your sweep/sec hand clocks ACCURATELY by WWV!! Comments anyone?? CONGRATS Waldo nice string DX since Nov 4. EL, KH6CHC, PY1DVG, GM3YCB, G, DL, EI, VK6HD, VP9BO, YV/AA!!!, KP4 and others. Keep up the good wk! W/O CQs

UNIVERSITY COLLEGE OF N. WALES/GW3UCB/Robbie & Mike/G3WXS -- Active agn 72/73, trying diff ants e In CQ/Phone test & Otrs. Tried unsuccessfully fr DXpedition license TF/land Xmas/N.D. -"A fr effe

PROPAGATION - WANT TO READ SOMETHING GOOD ON 160 METER BAND CONDITIONS????!!! See Geo Jacobs/W2A

PROPAGATION section CQ/mag OCT '72 page 95. This is most EXCELLENT!! Esp for 160 DXers.

CQ.WW.PHONE.TEST OCT 28/29 -- Plagued w/poor condx. No Transa DX except by KV4FZ who seemed better situated than E/coast Ws & w/ his 300' vert BC ant did masterful job. Made new "WORLD RECORD" - CONGRATS Herb/vfb. Much excitement about KS6DH but apparently QSO'd ONLY by KV4FZ. BAD/Cond-!! S

MARCONI-KEMP EXPERIMENTS OF 1897 by GM3IAA/Jim -- Marconi age 23 came to Glamorgan Scotland to tests, "Telegraphy without wires" across Bristol Channel there. Tests organized by Geo KEMP, Brit F.O. Engr as asst to Marconi. To prove sigs would travel over water w/o being absorbed, & could w/ships. Successfully crossed Lavernock Pt. to Flatholm Isl May 11th. Week later sigs completely across channel Lavernock to Somerset, 9 Miles!! A "FIRST-EVER" for radio signals "Across water", between two Countries, FIRST DX!!!/160???. Marconi then formed Company to rapidly push development and use of radio on "land and Sea". "BARRY COLLEGE of FURTHER EDUCATION RADIO SOCIETY, Colecot Road Barry, Glamorgan, CF68Y, Wales Commemorates these "BRISTOL CHANNEL" Tests annually SEP 13. This was 75th ANNIVERSARY. (Something like our 160 TransATLANTIC DX tests) by operating special station GB3BCT on various bands fm these historic sites, issuing special stamps & vfb QSL. Coincidentally GM3IAA was born on that very same date May 11 1897!! VFB O.O.T./Jim!! You're a very historic HAM

MARITIME MOBILE EL2N/nm -(G3UOF) -- Big thrill wkg "Mike" Nov. on N.V. "M.T. ALCHIBA" Running b ARUBA/PLA using 100w to 280' Inv L, 40' Vert/240' Hor. Was "Knocking off" many Ws w/VFB Operating

PROPAGATION STUDIES BY JAN/DL9KR -- Sez " Vy interested W4BRB's BULL 1 comments N/S Condx Jun17 '72. There was severe magnetic storm then Ak No.89!! Hv bn studying extremely gud condx 160 eking against geophysical parameters but no dramatic correlation vs MUF's, Ak, Etc -- Days w/vy low MUF do hv gud 160 condx. There seems to be enhancement of signals first 2 days of Mag Storms. On my flights (Lufthanser Pilot) study LORAN 1900Kc sigs during sunrise/sunset. Nothing special at sun but on Eastern Sunrise 2 & 3 hop pulses disappear. 1 Hop stays well into daylight. (NA Chains). The sunrise peak might be partly disappearance of NOISE from east as sun rises. But sigs on sec themselves peak. My opinion, sunrise/sunset peaks due to illumination of various ionospheric layers", Tex JAN:!. Fm his LOG:: May/Jun, wkd W1BB, HGT, K2ANR, Wa4PXP, ZPQAY, KV4FZ, PY1DVG, EL2CB, VP8K for "1st EVER" Congrats. ADDED 300ft more radials, under vert ant on roof and dwn sides of apt. bldg into soil/grnd. When in TOKYO noticed YAESU FT101TR Nw has 160. Nw wkd WAC 4 times! Need A

UNFORTUNATELY - 4OEC-AUSTRIAN 160 CONTEST NOV 11/12 -- "Washed-out" as to DX becauz vy poor condx due to solar flares. QRM also from too many other concurrent Eu contests. Better luck 1973!!

TECHNISTEIN 160 DIPLOMA by BB9W/Frank --- OCT 9-21 Plagued by poor condx. Was on vy patiently every night persevering full hours. Good QSOs EP2BQ, KV4FZ, KV4 PY1DVG. Sez. "All nites QSO & weak sigs fm Ws. QSO'd W1BB/1, HGT, GBP-W2EQS, LWI, UEZ-Wa, SGF-W8JIN-Wa8IJI-That's all!! Sorry!! Hopes go HB/ agn! Used LW & Inv Vee, noise high on both. Tnx Frank, good effort, best possible!!

HEAR THIS!!!! RE BEVERAGE ANTENNAS - Boy!! --- Wa8IJI has THREE, one each on JAPAN-EUROPE-VK/ZL, each 1000' long, 30' High near end-5' far end, supported by trees & poles, using 1/4 mile spools of electric fence wire, light & strong. Sez: "Works AMAZINGLY well" - "Fr example, tonight NOV12 DHJ/3 on Eu Bev, but on vert noise and DHJ equal at S7"!! He found 300 or 400 ohm rather than usual 600 ohm resistor gave better front to back ratio - kills any sigs fm BACK end. -- 100' top/loaded vert fr transmitting w/ 60 1/4 wve radials over swamp water, table minus 1ft, res 18MHOS. Sez: "Tested many ants - only ant close to BEV is vert - but very consistently 3 "S" units WORSE on S/N ratio. COM wkd JA7AO with this set-up!! VFB and CONGRATULATIONS!!!"

LESLIE RADNAY/W1PL was "ALL-WET"!!! --- Hi!! NOV5 listened W1BB wkg EU, cudnt hr a DX signal himself. Frustrated!! POURING rain outside, BUT Les went out in it - put down his radials that had bn rolled up for the summer - got SOAKING WET!!! But -, EUREKA!!! when he then listened on vert w/radials down, immediately "went to town" with DL9KR & OKIATP. Sez it was worth drenching to PROOVE radials work.

HUNGARY SWL/HA-14087 JANOS --- Does FB Job logging DX. OCT: HB9CM-Wa, 1BB/1, Wa1JUY, GKE-2UWT/3, GBY, GEG-8AH, AU, KSKAS-9DL, UCW-DL9KR-Gs/OKs. NOV: G/OK/HB-Wa, 1BB, HGT, UQG, GRL, FNL-K2GNC, KHT, QD, LL, EO-Wa, SGF-VELASJ. DEC: 5Z4KL, VK6HD, EI9J, W3IN. JAN: W2EQS-W1BB, HGT-VOLKE Plus "Seads" on Eus. CONGRATS!!!

CHUCK/Wb9BUV Going "GREAT-GUNS"!!! In '73 QSO'd PJ2VD, GM3YCB, KH6CHC, OKIATP, EI9J. Nw has 17 entries 5 CONT. Nice wk fr mid east!! Sez: (& vy well sed!) EAST Coast boys should not QSO the SAME EUs repeatedly & thus prevent otrs like W8,9,0s etc from their "First-Ever" Eu QSOs!! NUFF SED!!!

MISCELLANEOUS --- Wa9NKT/LON:: QSO'd EL2N/mm, KV4FZ, KH6CHC, LU1BSA. Hrd HB9NL. 12 entries nw - FB. --- GM3IAA/JIM:: QSO'd 4W1AE 3DEC 0028 got 469 - nice!! OLLAOH/Milan:: Had vfb '72. JUN-SEP wkd W1BB, HGT-VELASJ-EP2BQ-EL2SB-PY1DVG. Hrd KV4FZ, W4BRB, W11IJ, W4EX. Many several times. DIPOLAR ant & Vee QRV Sat, Sun, Mon, Tue whenever Condx good!! Since then has worked MUCH VFB DX!! -----

BIG HAND TO WHAS W2EQS!!! fr marvelous job organizing, reporting CQ/WW/160/TEST, the idea of which he originated many years ago!! GAAKY/DAVE has 300' LW wkg vfb. w/10w QSO'd W1BB & Otrs!!

PAUL SWL/NL216/DICK WILLIJS Active agn. May thru OCT hrd W1BB, HGT, GBG-Wa1GXE-K2GNC-W2GBY, UWD/3, W8,9,0s, KH-Wa8IJI-W9UWC-K4IKC-VELASJ-ZP9AY, EP2BQ, KP4CS, KV4FZ/KV4, HB/NL, OKIATP. Sez OCT EXCELLENT. Tnx DL9W we 160 boys like rpts. His Oct/Nov/Dec rpts TOO many to list!! W2BXS/1-JACK Is expecting good results fm his new "MONSTER", (Mystery) Ant. We'll see. Hw abt rpt on tt Jack??? WA9UET/RAY Bk on w/RANGER. Vows "Europe or Bust" this season! Luck Ray!! G/swl/NORM SMITH Checks in fr season w/rpts hrd, VFB!! too many to list!! Sez best nite DEC 10. Teletypes impinging on 1803. Shd & Shore fones after 0600 had Norm has been reporting/swl/160DX for MANY MANY years!! Rnx Norm.

LARRY/W4PSP Vy busy w/hospital internship so not vy QRL 160 - however takes 3 day vacation each CN/160 & ARRL/160 tests to keep "Finger in the pie" until hrs more time. VFB "Dr" LARRY!!

W4NPL/JIM sez not as many VK/ZL last fall as '71. OCT14 QSO'd ZL3OX for COUNTRY No.42!!! Nice! Uses inv L. Also wkd VP9BO & KV4FZ CQ/FONE TEST. Since DEC28 QSO'd GM3YCB, EI9J, OKIATP, G3ZEM, XVX, OE5KE, PJ2VD, KP4DLW, VK6HD. Lost LW ants recent FLOOD. Add YN1CW, ZF1G!!! G3YUV/FRED w/G3ZEM, trying ssb on 1880ke ~~W2BXS~~ w/220' inv L 75' H1 - tests show RADIALS help a LOT. Oct8 wkd W1,2,3,8,9, & KV4FZ. Wa8IJI's sigs especially strong. Will QSO 1880 & 1800-01. (See p4 BULL1) OKIATP YARDEY wkd sep/oct ZP9AY, KV4FZ, EP2BQ-W1BB, HGT-Wa1GXE-W2EQS, UEZ, MEZ, LWI-K2GNC-W3HUS. Put up Inv Vee

LOWELL TECH RADIO CLUB Doug Grant Pres Wa1JUY & Wa1RBR active/160 esp "TESTS". W1 Hv Dipole 90' high over parking lot. vfb gang. "FIRST EVER" crossings got G4AEL QSOing W1BB/1 Nov12 2/10 ret439. Congrats BOB. VFB!! RALPH/W1HGT continues to be leading station in "Knocking-off" many DX QSOs. Recent "FIRSTS" 4W1AE and JY9FCC!!! Nice Work Ralph-CONGRATULATIONS!!! BOB/G3ZTQ/A CONGRATULATIONS!! "First-Ever Crossing" QSOing W1BB/1 NOV26 w/only 10 watts!! GM3WDF/STU has wkd 43 Ws, QSL'd 100%. HOWEVER only 7 replies!! Whats the matter fellows??? KEEP AN EAR FOR G3ZTQ Bill1 hears Ws & DX well but no QSOs yet. Made FB Recording ARRL/160 Signals TEST that is.

BRICE/W9PNE has 40 states towards "WAS" @/ORP 5 watts!! Wkd ZF1G for 559 & otr DX - aint tt sumpin!! His first QSO in '73 was with EI9J - VFB!! FIRST TIMER G3GC/ERIC "Crossed" ATLANTIC after 4 yrs trying w/10 watts, 128' ant, 28' high & 19 RADIALS. Real PERSEVERANCE & MERIT to tt. Wkd W1BB/1 DEC3 0135 w/459 CONGRATS!! AUSTRIA/OE5KE/ADOLF ON 160 w/LW ant, DRAKE TWINS, doing QSOing much DX. Wkd W4BFL Jan5 VFB!! W3IN/DON made 41 DX QSOs btwn Dec17/Jan14, inc IV6AA, G - NICE!! CONGRATULATIONS OLLAOH/GOK "WAG/160" w/ VK6HD NOV25, also Cntry No.27 8P6DR!!!

FABULOUS CONDITIONS Jan 6/7 recorded on cassette by AL/W2BP as "BEST EVER" (W1 Loan Tape) wkd 03:00 Cntry #57 - CONGRATS!!! Wa9NKT/LON his late rpt sez "160 had sum GOOD openings JAN. At Lat made it gress BOTH ponds, EI9J and VK6HD. Nw Hv 18 Cntries" GREAT!! Re "DX-WINDOW", Lon sez, "MOST operators will move when asked, but you hv to use the right words or you get nowhere" - RIGH

LOW sections hat JAMMING "One-Way" arguments do harm - cooperation and understanding required

CONGRATULATIONS RALPH/WLHGT ON RESOUNDING DUAL "FIRST-EVER"s VRLW and KB6DA!!! Wkd OCT1 1042z
w/ sunrise peak, Jim/W6BHY using "SIGNAL ONE"!!! and made Ralph's total Countries Oct1, 65!! (61
QSL'd) Really GREAT!! Sep/Oct QSO'd PYLDVG, OKLATP, EI9J, VK3XB, KS, AKN, ACE, 2EO, ZP9AY, GW4AEC, GW3YGH,
DK9KR, G3VXF, OLLAOH, VRLW and KB6DA!!! RALPH also nw edits VFB column in DXers Mag on 160 DXing!!!

VRLW AM TO BE ON 160 - XV5AC per WLYRC/Bob who says will activate with 1KW on 1804 - Hope-Hope!! 10/
REPORT de JA3AA/ISAJI Sez HSLAHM QRV 160 nw fr 5 yrs. Oct8, JA7AO Hrd WLHGT/1804/229!!! Oct12 JA2G
Hrd WLEX/1802/569/1150z!! wkd Wa7ILC, K6ILG, K6ILG, KL7CL, W7DL/7, W7DOL/6, VRLW. JDLACX hrd VRLW. JALH
Oct8/10 hrd DHJ 229/579. JA9AKU/mm Oct4/9 hrd VRLW, KV4FZ, Wa7ILC, W7ZC, W8ANO, K6KAS, W7DL/7. Position
btwn Hawaii & Japan. Condx gud Pacific area! Tax a Mc SHIMA!!!

VFB DEPARTURE de W6BHY/Jim TO BRITISH and US PHOENIX ISLANDS With his "Signal-One" (Yum-Yum!),
"Countries in one shack" VRLW & KB6DA a "FIRST-EVER", operated 160 Sep15-Oct10. Wkd KL7CL, K5CIT/KH6
W7DL/7, VK3AKN, VK2EO, WLHGT & KV4FZ, all these being "First-Evers" !! Sez "That's it! Nothing to show
but it is 5 entries!! Find 160 vry interesting. Kww I'll do btr nxt time w/btr ant!! Only compl
Too much QRS, and copy guys at 30wpm and 5 wpm not necessary. But I was too weak to teah 'em.
Too much, too long clg me, not snuff listening. Maybe I dont know wh at I'm talking abt?? Anyway
my impressions!" Tax Mc Jim - a great trick!! CONGRATS. Keep up the good work!! (QSL via W6CUP)

RESOUNDING "FIRST-EVER" W8/JA QSO de Wa8LJI/Tom and JA7AO/"Tok" after many skeds. Dec23 '72 1250z
19/349. For short burst JA7AO peaked 559!! CONGRATULATIONS both!! Patience, perseverance, skill

CONGRATULATIONS TO "CONTEST-STATION" K6UA/Dale for most EXCELLENT work on 160 this season. Dec10
QSO'd G3ZEM 0730z using two 130' verts spaced 320', broadside on Europe. Also 8P6DR, VP9BO, VK6HD,
KPLDW, PJ2VD, VS6DO, KL7HIY, VK3ABR, VP5RF, KH6 and MANY JAs!! THEN CQ/160 TEST, a MAGNIFICENT "String"
6 General DX inc VS6DO, LU5HFI, VK8KF, and many other goodies plus 20 JAs, 4 VKs. Hrd G3YUV 579 0615

TWO MORE OUTSTANDING JA QSOs Brice/W9PNE/449 wkd JA3SVG/mm/369 at 1305z Jan20 on 1909.5/1803, then
followed by WLEX. Still audible 1335z, 22 mins total. Loren QRM S9 on 1909.5 made it "rough" copy!

VFB 160/sw1 REPORT FROM SOUTH PACIFIC - W3JAK/mm 300 miles SW Pitcairn/VR6. Hrd W5SZ, Wa5ZNY, K9IW,
W9UCW, W9RFL, KLIL, W4JFK, W7DZO, Wa4SGF Jan7 0500z. VERY FINE!! (Via W3HUS. Thx!! a lot.)

MISCELLANEOUS ITEMS @ JALHKP/"Jun" newly interested 160 shud B active soon. Hrd DHJ Oct7 1830z 479
@ S...Y!!! forgot to list KH6 1995-2000 Ke in TransPACIFIC "Test" Schedule!! @ TransPACIFIC TEST
@ Saw rec'd no reports "as such", only general info on TransPACIFIC Operating/QSOs etc.

@ W7HZL/"Al"/IDAHO w/HIGAIN tower & 72 Radials doing FB job. Thinks phones should respect 1800-1805
and 1825-1830. Working on "WAS" nw. Needs RI, DEL, VT, NH, ME. Hrd DX fm EU, SA, Asia, CO, VO etc! LUCK!!

WAY DOWN UNDER

VK3CZ/ARTHUR CONTINUES VFB REPORTS During September wkd W2EQS, Wa4SGF, W9BQM, WLEX, Wa8LJI, Wa7ILC, K6KAS
W7DL/7, W8ALW, ANO, W9NPL, VE5XU. Hrd W1BB, HGT, KL7CL, W2BP, LWI, W8FOJ, W4BRB. OCT: wkd W8ANO, W7DL/7, WLEX.
Hrd W1BB/1-469, LHGT, A8IJI, 4BRB, 7DZO, SFA, 8AH, VE5XU & G3SZA!! Besides DHJ, WNU, KFH "Markers". NOV/DEC
Hrd OKLATP, FCW, K6UA, WLEX, G3YMH, LIQ, IGW. Wkd 4W1AE, G3SZA & OKLATP - vry fb!!!

VK6HD/Mick doing VFB!! Nov: wkd EP2BQ, OKLATP, OLLAOH, W9NPL. Hrd: DL9KR, 4W1AE, JA3AA, WLEX, K6UA, W6ITY,
OKLFCW, KH6CNC, VS6DO, HB9NL. Uses DX100, inv Vee apex 70', 957' aal. Voices New Idea!! "Sum people think
160 endx shud improve w/decline sunspot cycle. I wonder how true that is??? Fm my experience, endx
on 80/40 optimum when sunspots HIGH and poor on decline" Any comments fellers?? Sez "29 DX Club"
special 160 tests May27/June3 '72 "Washed out" by poor condx. Nov/Dec wkd EP2BQ, OKLATP, FCW, MCW,
OLLAOH., W9NPL, 4W1AE, G3LIQ, JALHKP, EI9J, KG6JBO, W4, 5, 6, 7, 8, 9, 0. VFB Mick - keep up the good work!!

CORRECTION "FIRST KL7/ZL QSO" was KL7FRY (W5RTQ) Earl @/ZL2AGY Dec 1966!! Another "FIRST" (Believed
to be W5RTQ/VK6NK, W5RTQ/VK6NK, September 1969.

Re/VK5KO/John's TRAVELS (See BULL No.1) Saw Olympics-visited DLIYA 4 wks-DJ8VY 1 wk - HB9CM/Philo &
Clandine Sat/Sun, QSO'd VELASJ fm Chalet. "THRILL" he sez. Met HB9NL & xyl - back to G6CJ - sailed
home Oct16. We'all hope to b.c.n. John our 160 DXer about 73 yrs (old) or YOUNG should I say, on 160

VK6/sw1 ALLEN REPORTS During Oct Hrd W1BB/1, HGT, W2HCW, WLEX/579!!!, W7DL/7, W8ANO, Wa8IJI. All except B
were 229-329. Condx last season poor. Indications path to Ea shud be good soon though. Tax Geo/FINE

VK3ABR/DAVE QRV 160 wkd WLEX/Claude/Sep11 1153z got 459!! Hrd Wa8LJI, VE5XU/569, Wa7ILC, W7DL/7, ZL3OX
... Sez QTH half way up hill facing USA. Also VK3BM erecting 3el phased 160 array at Swan Hill!!!

NEW "FIRST-EVER"!!!! - GW3YGH to VK6HD Wales/Australia Qso Jan7 2110z CONGRATULATIONS BOYS -EXCELLE
W7LIQ/JOHN hrd W6HX and K6UA on 22 yr old EDDYSTONE Rx & getting interested in 160 real actively.

WANE/Brice QSO'd VK6HD Dec 26th and 29th

FRAYON COMING FOR UK/ZL DX this spring especially during EQUINOX period centered around March 17th
2 weeks before & 3 weeks after. Best of luck gang!! (SEE RE OCEANIC UK/ZL QSOs etc NEXT Page)

OR WORKING OCEANIC DX - "WAY DOWN UNDER" - ASIA - Etc!!! Seems "The Boys" get on 1800-05 52
on the VK/ZL/W Oceanic path, calling "CQ DX" - "Willy-Nilly" QRMing each other No End!! -- To avoid
confusion, why not all W/VEs, and DX, agree to SET CLOCKS ACCURATELY (By W4V) and then only call
the FIRST 2 Mins of each 5 min period, (W/VEs leading off), unless in QSO?? DX to call the LAST 2
mins of each 5 min period. Thus W/VEs wont QRM each other - listening for DX and since peaks on the
OCEANIC paths dont last long, 5 to 30 Min Max, valuable time wont be lost with long CQs. OCEANIC
will know when to listen fr us, and we'll know when to listen fr them - and they can be hrd w/much
less QRM. With everyone calling random, QRMing each other, makes it extremely difficult to even hrd
weak 1800-05 DX!!! Why not spread out a bit, and NOT call on top of each other?? Ws hv bn hrd to
plunk right on top of othr W/VEs already in operation. OFTEN W6/7s CQing or wkg each other, have
bn badly QRMing the OCEANIC path, especially for Eastern/Central USA during Oceanic peaking periods.
A suggestion has been made that WHEN otrs are on TRYING, that W/VEs hearing rare DX stns they have
already worked that season (Even tho they might be ans his CQ) REFRAIN fm ckg/Answering/REPEAT
QSOing them!! To work the same DX again and again DEPRIVES others who have not already wkd th DX,
of maybe their ONLY CHANCE, or rare opportunity to do so!! Some hv bn hrd right after finishing
w/peaking DX stn - and others "Tail-Ending" them - to "Bang-Away" agn CQing right on the same fr
vy close, CQing etc, thus covering the DX stn fr otrs anxious fr contact w/ maybe their very first
VK/ZL etc, and thus they miss out before DX FADES. Why not PAUSE after QSO to give otrs chance??
move fr far enough away?? W/VEs who want to QSO EACH OTHER while DX is coming thru 1800-1805
should "go-Up" say 3 to 10 Kz above 1805. Two Eastern stns were hrd wkg each othr and ALSO a W6 on
top of VKs who were peaking. There's always ample time for "Local" QSOs when DX isnt peaking or
expected. Some QRM to others is UNAVOIDABLE especially w/our restricted FYs when several sigs
QSOing and Band peaking at same time. This is understandable, and is "Par for the Course". We have
to "Live with it" philosophically and do the best we can. This is when Equipment, operating skill,
and technique is a thrilling challenge. It is the selfish, AVOIDABLE QRM we are talking about.
Lets try and see if most of that kind can be eliminated!!

LOOKING SOUTH

GRISTAN Da CUNHA ZD9/VEIASJ Andy left Jan1 for ZD9 intending to operate 160 fm Jan15-April 17th.
Tx w/ B on 1804 & 1827 especially SUNSET periods, keeping company w/ ZD9BM who has already done
VF job. Here's real chance for a "New-One"!! Was to be on fr CQ/160 TEST but not heard.

"BEACON" BARBADOS/8P6DR/RICHARD Has wkd 34 entries!! Calls CQ/HF lot becuz only wkd few Europeans.
Running "EASTERN CARIBBEAN PROPAGATION TESTS" with "Beacon" & w/ B on Monday to Fridays 5th Feb to
2nd Mar 2130-2300s sending "VVV Test", one Min on-one Min Off. No calls w/ B ans'd but w/ CQ at end
of each test. Reports appreciated, Richard Limebear, % Cable & Wireless Ltd P.O. Box 614, Bridgetown
Barbados, W.I.. Best luck Richard!! W1BB, on SS FRANCE Caribbean Cruise visited 8P6DR - had GREAT
"Eyeball" QSO, saw QTH, Rig, Beacon Stn-Cassett tape keys it, Cable & Wireless Ltd. Met 160 DXer
G3RFB/Keith vacationing there, took Pix - a real memorable 160 visit!!! Txz a Mo Boys de Stew/W1BB

"AVES ISLAND" YV/AA DXPELITION Jan 9-13 BIG SUCCESS - even tho condx werent too good!! Wkd KV4FZ
"1st EVER" AVES/160!! Then K4BHG, CIA, W4SGF, PXP, DRH, W4YHB, W2EQS, 8P6DR, W8ANO, W8TJI, W3VAN and MANY
OTHERS!! (W1BB missed entry \$114 - Tears!! becuz on SS FRANCE Cariobean Cruise!!) CONGRATS YV/AA

VFB BEVERAGE ANTENNA!!! Reports ROLF RASP/PY1DVG -- "First tried 100 'metres' long beaming Ea w/300
ohm grounding R to poor Grnd/200 Ohms. Got 1 "S" unit improvement S/N ratio. Next 160 "metres" long
w/300 Ohm R to GOOD grnd/20 Ohms. Works GREAT!!! Up to 10 DBs S/N ratio improvement. Nw wk
EUs never B4 possible. Height varies 7 to 17'. No precautions to Insulate fm trees etc. Runs
exactly parallel under my Inv Vee Tx Ant - No problem. Nw gg put up one for USA!!" FINE!!/Rolf!!

TRANS-EQUATORIAL 72/73 TESTS ?? Rolf - and Paddy, we'all are hoping you'll run these agn this JUNE
VENEZUELA ON 160!! YV5CKR/Helena, & YV5CIZ Lasi, friends of W1PL/Laci are now on!! Just GREAT!!!

MISCELLANEOUS ITEMS

QO WW ALL-BAND TEST-160 section Nov25/26 Condx "Fair to Middlin"! Many FB DX QSOs & New DXCC entries
wkd. Viz ZF1GS-YN1CW-VP9BO, PW-KV4FZ-LU1BSA, 5EVM-8P6DR-G3VYF, YUV, RVN, RKH, ZYY, SZA, ZTQ/A, SSO, XVX-G6BU,
G2BJY-HB9NL, CM-DL9KR-EI9J-PA/PN-GM3WDF-4M4AGP-KH6CHC, LJ, RS-CO2DL-VK6HD-PY1DVG-GW3UCB/P-OK1ATP-
OL1AOH, OK1FCW, MCW-VE5XU ----- W3AU/IN/Don 14 ctries inc 4M4AGP, LU1BSA "Outstanding Condx-good one
season" ---- W2EQS 18 ctries/9 zones ---- W1BB 17c 8z 33DX QSOs ---- K2GNC 14c 7z --W2LWI 12c 6z
W4E/Brice QRP w/5watts 190v/26Ma QSO'd ZF1GS w/LW VFB!! ---- W0NPL/Jim wkd YN1CW, ZF1GS, VP9BO,
CO2DL, HR2HH, PY1DVG, KH6CHC/599, VK6HD, KH6s Hd Hvy QRM ---- K7IDX/Brune hrd HR2HH, PY1DVG ---- PY1DVG/R
wkd many Ws ZF1GS, 4M4AGP for 39th entry, LU5EVM, CW3AA VFB!! ---- G3VYF/Mike wkd W1BB, 2Q, LWI, W4SGF
W3AU "Cndx vy gud esp dawn peak" ---- GM3YCB/Stu hrd ZF1GS, KP4AST, 4W1AE, EP2BQ, PY1DVG, VK6HD ----
OK1ATP 18 entries EP2BQ, ZF1GS, W, JA3AA etc 4316 points (71 pts 1600) ---- CX3BH as CW3AA/Horacio
and YV W7HM!! -- ZF1GS/Gens (W4BRB) w/DRAKE TWINS fm hotel room w/260' inv VEE 50' high on beach

... favored with tailwinds good DX & local Conix powered GRAND ...
L31/WPL 215Q 26,000pts 30hrs abt double his last yrs record!!--DX KNOWN ON/WIAE, QASV,
INON, E19J, KV4FZ, DL9KR, PY1DVG, OK1ATP/TCW, OL1AON, KH6LJ/CHC, HB9NL, HR2HH, GW3UCB, CO2QR --- DL9CR
Hrd Hrd Ws --- MANY Cs --- W1BB/1 wkd 14entries 32Dx --- G3VYF wkd Ws 1BB, K1PBW/1, K2GNC, 8RRU, HR
WVX, BRB, Wa4SGF, VE3BM "Cndx GUD" --- G/swl/Norm Smith Hrd Ws 1BB/1, K1PBW/1, Wa2WLN/2, 3IN, 4SGF, BRB
SBX, RTQ, K8COV, 90W, KV4FZ. VFB!!! --- G3XAP/Phil w/ 10 watts wkd W1BB/1, HGT, K2GNC. Only needs
for WAC/9watts!!!, Hrd KL7FRY pblly "Pirate", wkd PY1DVG, KV4FZ, VFB!! --- OK1ATP/Yardy wkd
Ww. KV4FZ, WIAE. Hrd HR2HH --- W5YG R10B Univ RC 43 states/tot nw 49 needs Alaska. "Easier to w
thn W1" --- W3IN/Don 21 Dx Q50s 13entries "QASV amazingly strong! DL9KR 579" --- G3ZEM
2,3,4,8,9,1, VE1,3 Wa5REL, W5SZ, K6UA!! W7DOL/6!! KV4FZ, YV1AR, HR2HH, KV4FZ. 32 total, GREAT!!! ---
W1NPL/JIM KH6LJ, YV1AR, HR2HH --- FINE!!! also KV4FZ. --- OE5KE/ADOLF K2GNC, W1HGT, Wa4SGF, K4CIA, W4Y
BRB, W7UKP/4. Nice wk!! --- This was a most interesting test, with HIGH participation!!

PAUL GODLEY SPEAKS!! GREETINGS FROM THE "ORIGINAL" 160 Meter TransATLANTIC TESTER!!!!!!

Paul F. Godley, who in 1921 made the dramatic "FIRST EVER" reception of AMATEUR signals across
the ATLANTIC from Androssan Scotland Dec. 8th -- of which our present annual TransATLANTIC "TESTS"
(40th series this season) are symbolic and reminiscent -- sends GREETINGS!! and best wishes to ALL
160 DXers!!! He sez - "To you 160 guys, Hi!! From W1BB's BULLETIN it appears that you fellows are
really "on the ball". You ask as to my "Androssan FIRST", experiences, signals, thrills, etc. They
were TERRIFIC!!! See Feb 1922 QST for full story, or, "BACK SCANNING" in QST DEC 1971 Pgs 53/4/5
for shorter account" ----- "Your 160 meter operations and TESTS are all to the good! I note with
special interest that some of the gang have gone to BEVERAGE wires. Has consideration been given to
DIVERSITY reception?? Some must have space available. At Androssan, in addition to the BEVERAGE, I
also had a vertical wire and on two occasions with complete fadeouts on the Beverage, the VERTICAL
carried fair signals." ----- "The Schnell-Delay 100 Meter Two-Way accomplishment from Hartford, Conn
to NICE, France, was in 1923, while MARCONI was discovering ONE-Way reception on this band, and a
year or two before his discovery of the HF so-called "Daylight Wave" ----- "Sporadically, I check
the Amateur Bands, and now will have to see "What Gives" with you birds!! I allowed my 1st Class
Ticket to expire in 1923, call 2ZE, - too much professional stuff indefinitely ahead then, plus a
burgeoning family, travel, etc. HOWEVER, still rear BOTH Morses at 40-45 wpm, so let's have it!!"
----- "Incidentally, Joan Smith, GM3NYG of Irvine, Ayrshire, Scotland, a few miles south of Androssan
wrote the full story on my TESTS. She might be interested in the present tests. She lectures before
clubs, Radio, Rotary, Etc. An interesting enthusiastic girl!" ----- "Best 73 to all" -- PAUL GODLEY
(On behalf of all the 160 boys Paul - tax a Mc for this letter!! VFB!! --- Sent material to GM3NYG

"160 AWARD" SUGGESTED - WHAT DO YOU THINK??? W4QCN/Bob Chm of DXAC sez ARRL DX Advisory Committee
voted 7 to 1 to recommend HQ establish a special 160 DX AWARD. However HQ is believed cool to this
idea. How do you feel about it?? Think it over!! WRITE YOUR ARRL DIRECTOR so he will know how to
vote when this comes up. List reasons you think AWARD is desirable, ie, to further stimulate
WORLDWIDE interest in 160, encourage other HAMS to get their GOVTS to allow 160, thus leading back
to 160 on WORLDWIDE basis, etc etc. What type AWARD?? (We now hv WAC, WAS 160, and contest 160
awards) but no DXCC or COUNTRIES AWARD). Basis Countries alone?? Point Basis?? What?? HOW??
Copies of your letters to W4QCN, and W1BB for this BULL rerune would be helpful - OK?? "Da-De Dahn

"WORKED ALL CONTINENTS" on 160 "WAC" "For the record" here is a list of the 31 "WACs" issued to
date by year, and in order of issuance. '53-W1BB, G6GM '55-G3PU '61-W8GDQ '62-G3OQT, DL1FF '63-W1PF
G5PQA, W2KQT '64-W6KIP, G3RBP, W2IU '65-G3FPQ, G3LIQ '66-K6DZC '68-W0VXO, DL9KR, W4WVX, G16TK '71-W9PNE,
W1HGT, KV4FZ, OK2PDN, GM3YCB '72 HB9NL, HB9CM, OK1ATP, W2EQS, W6RW, Wa4PLP, GM3WDF Last one noted was NOV/
Prior to 1966, ARRL did not keep complete records on WAC certificates/endorsements. Therefore this
list is a composite one made up of records kept by W1BB since 1953, which ARRL accepts, and ARRL's
partial list. (They DID issue the certificates/Endorsements but didnt keep the records until 1966,
(Good/Complete records that is). If any corrections/omissions are noted prior 1966 advise W1BB with
copy to ARRL. It is believed however that the above list is ACCURATE. NOTE!!! As of NOV/72, an
attractive, brand new SPECIAL 1.8 Mhz WAC Certificate is now used. Anyone who wants to change their
OLD one for this new one may do so by writing ARRL % W4WFL/1-Morgan at Newington Conn.

BEST WISHES and LUCK to CHAS/W2EQS Who Feb 1 moved fm NJ to Indiana. We on the East Coast are
unhappy to lose you!! The W9 boys are lucky to receive you!! CONGRATUATIONS on winding up in a
"Ere of Glory", with a "New-One", LU5HF1 for Country No.86 before leaving NJ!! WONDERFUL records.
We're all sorry however you'll hv to "Start All Over" fm W9!! Climbing DXCC ladder that is!
IRONICALLY, just after that QSO, Chas's rig blew a fuse, and would you believe it, the needed spare
fuse was in his shipment of gear already in Indiana!! THUS ended W2EQS's N.J. Operations!! Hi!! b
also "TEARS". His temp QTH % Welling, 58755 Campbell St, Mishawaka, Indiana 46544. HAPPY DAYS Chas
We're sure the move will be beneficial, EXCEPT der DXCC/160, and we'll b.c.n.u. on 160 as usual!!

Best wishes to all the 160 boys de Stew W1BB *Stew*

MAY 29 1973



W3HRV
Here '712 - CARL OM
"All the Latest" on 160

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop - 02152 - Mass.

Pages 2 & 3
See sent notice via W1BB / column
Also DXed via W1BB / column
Put out QSTs well
Hope you are well
Chased!
73!
How

MAY 31 1973

W1BB -- 160 METER DX BULLETIN -- W1BB

1972/1973 - No. 3

de B/Stew ----- What a wonderful 72/73 DX season!! Full of "Thrills & Spills" - Lots of DX - twelve new WACs compared to a previous total of only 29 from 1953 to Season's start - imagine!! WOW!! ----- Another measure of the difference. 72/73 season W1BB wkd 32 Countries/102 different stations. THIS 72/73 season wkd 45 countries/141 different DX stations - big improvement!! ----- Many more "good-guys" on - lots of fun trying different antennae - return of the "LOOP" - some outstanding DX signals - good operating - FB Contests - suprise DX & DXpeditions - new Countries!! - and many really climbing the 160/DXCC ladder!!! ----- BUT!! What a "BLACKOUT"!!! Never remember such an almost complete demise of 160/DX as occurred Mar 9th thru April & 1st week of MAY - Condx real LOUSY!!! However, (See BULL #3 71/72) we had similar "letdown", though not so severe - during same period last year - guess we'll just have to get used to it - however it makes DX all the sweeter when it comes back again - doesnt it!!! ----- Keith/G3RFB made a very apropos comment abt the season - that Condx unusually good - but the lack of DX activity, at times, failed to realize the band a full potential!! What we need, he sez, is MORE DX stns on, more of the time, in more countries. They'd hve fun, we'd all hve fun!! Think we ALL agree!! Sooooo -, what do we do about it?? Lets talk up 160 to more and more DX STATIONS with renewed enthusiasm!! ----- Whats ahead??? Well, for one thing we start summer with PY1DVG/EI9J Trans-EQUATORIAL tests which should provide interest and supprises. (See herein). -- Also, the PY1DVG/Wa3HRV DXpedition to Trinidade as PY1DVG/PY1ZAA, 48hrs btwn June 8-13, all bands, especially 160/1827Kc. GREAT!!! (See herein). With sunspot numbers not yet having touched bottem - the coming Fall/Winter 73, 74 season should be a "CORKER" !! SOOOOOOOOOO MUCH anticipation !! ----- We DO have "Problems" - some good fellows - mostly unintentionally, keep trying to cover the "DX-Window" with their QRM. Let's ALL coax them - educate them, befriend them, get them "on our side" - so they'll HELP us, and have fun themselves working DX, Let's all really put our shoulder to this job. Never let an opportunity pass to "talk-up" and explain the "DX-Window" in a nice way and enlist COOPERATION!! ----- There's more of us on 160 now, and we QRM each other more - cant help it - the only answer is, more and more SELECTIVITY, of one kind or another, plus patience, perseverance and good gentlemanly operating. The 160 GANG is famous for this - let's keep it up. Shorter and less frequent CQs help. Synchronizing our CQs - all using mostly ONLY the first 2 or 3 minutes of each 5, or 15 minute period helps, depending on the situation DXwise. To NOT work the same DX station over and over every night etc, gives others a chance and lessens QRM. Putting local W/VE QSOs out when DX is possible. Taking less time for each QSO, Reasonable QRS and QRT, etc, all helps!!

HAPPY SUMMER GANG!!

Best 160 DX!!

73 de Stew/W1BB

How

FUTURE OF TRANSATLANTIC DX TESTS???? Test #4 72/73 went well Feb 11 but FEW participants. DX was G3ZRZ & G3ZYF/Robin/449 both "First Time Across" boys/CONGRATS!! also G3ZEM,RPB-OLIAON-OKIMCW,HB9NLS; IBB,CKU,4JFK,2UEZ-VEICD,2BBK - few str. Looking at tests 1,2,3, (Bull#2), participation low, & again we consider question WHY?? & Should TESTS be discontinued?? -- Believe "WHY" is it whereas the "TRIALS" used to be THE big deal each yr when DX was so scarce and crossing SO difficult - NOW with DX being wkd regularly, all the time, many feel the "Tests" are too mild, an "anti-climax" - this is partly true. BUT shall we DISCONTINUE them?? THIS has been the 40th year of these TRANSATLANTIC tests and would be a good "Knocking-Off" point. HOWEVER a feeling by some, repeatedly expressed, is that the TESTS afford NEWcomers and QRP stns their best chance to "cross", and work their first real DX - and this is true - see the records. SCOOOOOOO while the whole question of "To be or NOT to be" will be taken under advisement. Comments to WIBB appreciated. It is quite probably they WILL be con in 73/74. Whadaya think gang?? - (The TransPACIFIC "Tests" which started off 160 DXing across the pacific in 3 yrs quickly developed it to the point where now it is DX Tests, or regular DXing every weekend - often during week, when gud condx exist - same as the TRANSATLANTIC path!!)

NEW ONES FOR WIBB after not adding a NEW country since June '72, and thinking might never add another then "Bingo", Friday Feb 3rd wkd 2D9BM/Roy and 4WIAE/John for No.114 & 115!!! Big THRILL, to "get going" aga after being in the "Doldrums" so long!! NOW, maybe?? Others??

SELECTIVE SKIP - Ever notice it sumtimes a fellow HAM 50 to 100 miles away, or in neighboring county or state will be hearing/working DX well, whereas YOU cant hear at all, or only weakly?? WIBB over years has observed this MANY times. Even 30 miles sometimes makes a BIG diff in sig rpt. Just recent one night Gs were booming in - but NO OKs - then an hr later Gs gone, OKs booming in!! KV4FZ/Herb wrote, "Strange Eu opening Feb 18. Wkd 6 OK stns 579, hrd NO Gs till 0530z, then OKs all but gone. Different keying, chirp, etc rules out ONE stn giving several QSOs, -STRANGE selective SKIP"!!! Also 4WIAE/John sez taks can hear & wk Gs in one DX spot and not in another nearby. This is one of the things that makes working DX on 160 very interesting and intriguing!!!

KV4FZ/HERB CONGRATULATIONS Countries 4WIAE-#96/90 & LU5HF1-#97/91. (96/90 etc means 96 total 160 countries wkd in 10 years from W0VXO and KV4FZ -- 90/total from KV4FZ only etc.) Nice Work Herb!!

GREAT ACCOMPLISHMENT GORDY, VE5XU OM = QSOs EUROPE!!! His 1st '73 QSO, w/GM3YCB Jan3 0419z, XU/459. Sez BIG THRILL to actually hr 1st Eu & QSO same!! --This is "FIRST VE5/EU"ever, and furthest West VE/EU! (Previous was VE4RO/G3GRL abt '62). Gordy sez E/W paths this yr bn vy poor usually fm hr w/ lots AURORA killing Dx, bt wkd VP9BO,4MAGP,ZF1GS,PJ7VD,KP4DIW,VP8KF,ZP9AY,LU5HF1,GM3YCB. "Bob/W7DL sez LU5HF1 if Fred Laun who had potent B.C. TOWER sig fm H18XAL 64/67. Gordy continues, "As Bob says (And I LOVE tt phrase); PREB is the kind of Guy who knows how to get the smoke up the stack!!!" H18XAL VFB BB agrees!! Gordy thinks tests might be arranged for Mid-West stns, (Good project for W2EQS/g w/!!), when East Coast boys would QRX and give them btr chance, also a "PACIFIC" of VK DX-WINDOW might be established and all W/VEs stay above 1805Kcs??? (Wld hv trble w/phone boys on this!!) Comments Gang?? Gordy is right abt difficult position of MIDWEST stns wky Eu/DX thru E Coast QRM. Can it be helped?? OR is this the price one MUST pay for living Mid-West?? Comments!! Gud to hr fm U GORDY!!!

SUGGESTION de HB9CM/PHILO: "When 'DX-WINDOW' crowded & otr times too - DX shud use 1830-35Kc also, & W/VE listen there" -(Would be nice for W/VE too except fr 25w limitation. HB9CM wkd quite few W/V 72/73. Best nite Feb 18th wkd 19 plus KV4FZ & 4WIAE!! VFB Philo OM.

WANT TO KNOW ABOUT CURRENT CONDX ON HAMBANDS INC 160????!!! W3ASK/Geo Jacobs suggests CQ's new "DIAL-A-PROP" service Tel 516-883-6223 for 2 min recorded LATEST propagation data, NEW EACH WEEK, includes few words abt 160 Condx!! Geo thinks 1974 SHOULD be a BANNER YEAR on 160!! Tnx Geo VFB!!!

NOTE!! 160 METER "ENDORSEMENT" TO CQ AWARDS NOW AVAILABLE!!! To their "CQ-CW-DX" and "CQ-SSB-DX" awards for working 50 countries on 160 meters with QSOs after Nov 1945. Applications to JERRY Hagen, Wa6GLD, PO Box 1271, Covina, CA 91722. GREAT!!! (Tnx K4IIF/John OM, a "Mc!!!)

W2CO/JOHN TO BE AT 4ULITU AGAIN NEXT JAN/FEB '74 HOPE!!! Sez he MAY be able to go - will "Keep us in touch". IF!!, operating time w/ b vy limited & w/ NOT ans CQs - only direct calls!! Sez: "The 160 band is open far more than most of us realize"!! (Correct!! See pl 6: G3RFB). Maybe otr spots!!

BLUFF/ARMIN BACK ON 160!!; After long layoff wkd much DX FEB BUT unfortunately in hospital to rest w/ heart few wks. Nw bk on agn "fips and dandy". Using Inv Vee. Plans bigger btr ants! Sez MAR 23 a G. nite!! Wkd W2LWI,1HGT,LU5HF1. Hrd Wa4SGF 0400-0530. DLs lost 1985-92Kcs Nw Hv Onli 1815-1835

BEVERAGE DOPE AVAILABLE: W5RTQ/Earl very kindly volunteers to send detailed photo-copy of info on "Beverage" Antennas, theory and construction, to anyone who requests it, with 24¢ S.A.S.E.. Tnx a "Mc" Earl. (Have seen it - very excellent/Stew) ALSO de W1PL/Laci sez if you want original Beverage antenna dops by Mr. Beverage himself see NOV 1922 QST!! Further, Toby/K4DGR offers to send to those requesting w/ a S.A.S.E. - photocopy of FB BEVERAGE data from JULY 1922 QST

TONY
K4ZCF

"MAGNETIC" 160 ANTENNA - "THE BOBTAIL CURTAIN"!!! W5RTQ/Earl mentions W5SZ's BOBTAIL, used w/ great success. During CQ/ARRL tests wkd when Eu could not be hrd by any other 5s. Wkg Gs that is. Its FANTASTIC if you hv two 140' high supports spaced 550' for 3 el, & 275' for 2 El. W5SZ sez BOBTAIL doesnt do it's best until path exceeds 3000 miles. "BELIEVE IT OR NOT" (Ripley), He has th... of 'em!! (Want to know how actually to match/GAMMA a grounded beam tower?? Write W5RTQ/Earl)

LOOP ANTENNAS are BECOMING POPULAR AGAIN!! W7DOL/6-Roy developed a beauty with transistor Pre-Amp performs excellently, wkd Eu with it -,what more could you wish?? A WONDERFUL help for high noise QTHs. Think if you "Twisted Roy's Arm" he might send you print w/details. W5RTQ/Earl is using one. See "Without which I would have missed many QSOs". He has modified it slightly. Present known LOOP users, W7DOL/6, W5RTQ, W4NFL, K8KAS, W1PL. ALL praise it!! (W1BB tested loop antennas in 1959, w/tube pre-amp, found them excellent help for high noise areas. But not as good as a half wave resonant antenna in quiet QTH - the so-called "Aperture Theory", (The bigger the antenna the more signal it picks up) supports this.)

AFRICA 5Z4KL/5Y4XKL (GM3VLB)-ANDRE REPORTS!! Arrived Kenya '64 - High School Teacher - Govt delayed license 1967 - wkd AB/DECC 314 entries, then interest 160. Home brew '70 wkd HB9CM. Moved QTH. QRV agn '72 & since wkd 5Z4MO-4W1AE, BT-GM3YCB-G3YIU, SZA, RPB-OK1ATP, FOCW-JA7AO, LMCU, 3AA-W1HGT-2D9BM & Otrs w/260' bent LW w/FT101/75w. Sez "Noise on Equator indescribable!!!" Left 5Z4 permanently June 25th

PADDY/EI9J REPORTS - ANNOUNCING JUNE TransEQUATORIALS. No real highlights. Many periods when band not open to W. Some REAL GOOD but short openings those - During disturbed condx, exceptionally GOOD DX openings often occur on 80 & 160. Poor CondX coincided w/Tests, except 1st wk and ARRL/CW Test. Activity higher this season. 4W1AE Consistent-JY9FOG, 5Z4KL, FP2BQ. Dec 28, Jan1&7 EXCELLENT!! Hrd LUSHFI, LU5EVM-No QSO". See "Looking South" for TransEQUATORIAL test announcement by PY1DVG/EI9J.

VORKE/MIKE VERY QRV 160: w/95w, 6146 & 67' vert top load. Wks much Eu Dx since 1/73. Thinks operating in "DX-WINDOW" during TESTS should be grounds for DISQUALIFICATION - what think boys??? Tnx Mike!!

"FIRST-EVER" TransCONTINENTAL/TransATLANTIC W6/GM by W6DAO/459/Brad to GM3YCB/"Stu"!!! Sez -"W1BB BULL No2 TURNED ME ON" - got real interested 160/cw - Then JOY!! Jan 7th YCBs sig 559 fr 7 mins & solid for our memorable QSO. What an opening to Eu!! Lasted 43 Mins. Hrd so many stns my head swam!! 12 Eu - 7/G, 3/GM, OK/OL!! This season wkd GM3YCB-KH6RS, CHC, VP2A, ZF1GS, PY1DVG, CO2DL, KP4DL, YV5CKR, JA3 SVG, KV4FZ, PJ2VD. EXCELLENT work Brad OM and CONGRATULATIONS fm all the gang!!

K2GNC/BILL CONCLUDES after much ant wk tt a gud LOCATION is the most important single factor to good 160,DX - like salt water, or wet gnd, salt flats for miles arnd. and MANY RADIALS!! Thinks his phase vert wkg on Rx gud as Beverage, when VERT noise low - but Beverage best when noise comes fm a distance. Bn playing w/loops fr yrs - gag try agn! Feels (As otrs do) we ALL aught to watch MANNERS

CHARLIE/W2EQS/9 NOW MISHAWAKA IND. Straining at the leash, with new QTH and room for Ants to get 'em up and going!! Misses gang on 160. Should be all QRV this coming season. Starting "All over age"

W7DOL/7 ROY ENJOYED PHENOMINAL EUROPE OPENING!!! Sez "Biggest news hr - EU openings-extremely WILD unbelievable CondX. Started NOV8-hrd DHJ 1st time ever 0300-0800 peaked 0615 plus 20DB!!! Frantical old CQ/EU - no one on!! I'm sure every W6 HAM cud hv QSO'd every 160, HAM in Eu tt nite!! Then DEC 11 K6UA wkd G3ZEM in Window 0830z. Then I old & BINGO QSO/EU!!! JAN6 WOW!!! 0430 hrd loud sig in Window 1829 - that W8, W9 - signed GM3YCB - old/ND-then OK1ATP old me hd 569x2 QSO!! THEN wkd GM3YCB got 589 OUCH!!! - Hrd G3YU - BOY!! Since then no Eus at all & DHJ/weak. Use DRAKE TWINS, 65' Top Load very and 3" Diam LOOP fr Receiving. Wkd QASV, usual JAs, VS6DO, S.A., CARIB, Missed VK6, YV6. Playing w/daytime DX wkd K6IIG/400 Miles, W7, W8, W5, W6 all btwn 2-3PM. GREAT STUFF ROY OM!!

THE G/BAND ON 160 da/Mike G3IGW:: Extends 1800-2000Kc unbroken, on secondary basis to other services. Mainly coastal & shipping Stns. Some Eu entries like PA, DL, Etc hve smaller chunk centered arnd 1830 EUs could generally use 1825-1835 Kes, CW, although there is QRM Coast Stns on 1827. There is little EU activity below 1825 Kes because of QRM from Commercial stns. There is little EU phone activity below 1850 Kes except occasionally to wk DL-PA/OK arnd 1830 Kes, or DX across pond. Most Eu Phone is 1865-1885. 1800-1810 VH for W/VEs, and 1825-1835 for DX he thinks is best set-up. Tnx a Mc MIKE cu.

MISCELLANEOUS - EAST Coast-TransATLANTIC-Europe - MISCELLANEOUS

W1HGT/RALPH GOING GREAT GUNS As of Jan 28 wkd 90 diff DX stns in 36 entries. CONGRATULATIONS!! Vy excellent - means good equipment, EXCELLENT QTH, perseverance, skill!! WITH 9 WATTS G3XAP/PHIL wkd W1BB, HGT, GJEP, K1PBW, W1GXE-2EQS, UEZ-K2GNC-4QCW-Wa8IJI-KV4FZ AND!! Note This!! (9Watts) got SWL rpt WIA-16201 fm Western Australia 6Jan73 449!! fm indoor tuned rotary loop. CONGRATS PHIL-NICE!!

W1GXE/GARY has 48 states, 15 Cntries inc EI, HB, PY, G, OK, VP9, ZF1, CO2, YV5, KV4, PJ7, PJ2, 4W1AE. w/ 50' vert/ has fine swl rpts fm HA&PA - VFB!!! G3ZJK/Chris "FIRST TIMER" "Crossed" 5Jan73 QSO W1BB to rec 559. After trying unsuccessfully 2 1/2 yrs. That's "Patience/Perseverance" - CONGRATS Chris OM!! Uses 260' Inv L av hgt only 30'. Since has wkd Ws 1HGT-2UEZ, EQS-VELAKT, CD-EP2BQ G3RFB/KEI being FB Sez CondX unusually gud - but activity at times makes it seem less good than it really is

G3RFB/KEITH Continued: Has 48 Cntries! Nw lung fr 2 to make it 50 this season - LUCK/Keith. Heavy NOISE at QTH tt kept hm off 160 fr 2 yrs MIRACULOUSLY disappeared - CHEERS!! Wkd many W/VEs, & KV4FZ-4W1AE-5Z4KL-EP2BQ-8P6DR inc W8,9. Feb18 wkd 25 W/VE. "KV4FZ has TERRIFFIC!!!! Signal in G/Lan Strongest DX EVER hrd on 160. Wkd JY9FOC for a FIRST!! HUNGARIAN SWL/JANOS HA-14087 monitors 160 faithfully. Jan/Feb hrd 12 Ws & 8P6DR, KV4FZ, W5RTQ! Many EUs. Tnx Janos!! W1AXA/"RED"-MANY CONGRATULATIONS COUNTRY No.1!!! Wkd OE5KE 24 Feb GREAT!! "Just the beginning". Then next day wkd 4W1AE!! Nw fr more. RED was on 160 1924 - has QSL to prove it!! FB!! W4BRB/GENE Hrd 579 by JA7AO CQ/160 test-GREAT!! Nw fr QSO! Also wkd EP2BQ-4W1AE for WAC!! CONGRATS - gives credit to a great GROUND improvement by the addition of a SUNKEN ALUMINUM ROWBOAT to his Dockside ground system under vert ant. Immediately wkd 2D9BM fr cntry No.64. anyone got any sunken aluminum rowboats they dont need????!!! K2GNC/BILL QSO'd 4W1AE & EP2BQ his 1st ASIANS FEB '72-GREAT!! Plans more ant wkd this summer too!! G3SJE/John thrilled to hear 5 Continents within 2 hrs. VK3CZ/1925z, 5Z4KL/2107z, 4W1AE/2110z-V01FB/2115z, Gs. Condx VFB - GREAT!! Wb9BUV/CHUCK Congrats!! Making "WAS" w/KL7 lately-nice! Also 23 Cntries-a REAL accomplishment in Mid/West. Nw fr more w/tt vfb "Battleship built" Valiant!! W3IN/DON Congrats. Wkd EP2BQ, 2D9BM. Nw has 55 Cntries wkd and WAC/160!!!!!! W5SUS/JOHN (Ex W4GDH) doing FB w/30 Cntries Nw inc HB9NL, ZP9AY, OA8V, EI9J, VK3CZ, VK6HD!! Nice. KLICD/FRANK suggests 0-5Kc fr those c/g/wkg DX - 5-10 Kc fr those wkg West/East. Whataya think boys?? Comments?? W2BP/AL Congrats "WAC" Feb 26 QSOing 4W1AE!! Also Nw 62 Cntries Hd FB trip Okla w/KW2000 on 160. QSO'd many Mid-West boys!! Talked up "DX-WINDOW". Likes 160 AWARD idea. Suggests base 25 Cntries w/Sticker each add. 25. VFB!! Wa9UET/RAY QSO'd KP4AST, ZFIGS, G02DL, K35ZZ. Nw has 24C!! Great fr Mid-West where its really hard to wk DX. Sez WMaybe tts why its so much FUN!! Uses RANGER Tx. G3IGN/MIKE wkd new ones 4W1AE, JY9FOC. Sez "I'm aiming for my "Century", THIS "Ce ntury". LUCK to you Mike OM. Sez 1800-1810 best fr W/VEs CW & 1825-35 for EUs. NICE TO HV Wa4LDM/JACK BACK after 2 1/2 yrs off making 5Band WAS & DXCC on HF. On 160 nw using 75A3 Ranger, Inv L. Lst QSO w/ K25LS. FB G/swl NORM SMITH still at it-hd fine string Jan 26/27/28. Thinks DEC 10 '72 best nite this season. Wonders if Iceland's Volcano affected 160 DX?? Tnx Norm. G3ZYY/TREV doing FB w/FT101, 1/2 wve End Fed 45' high ant. Got JY9FOC 3/24 sez "My dislike for writg writing equals my dislike for 160 pirates!! Hi/vfb!! ORP ON 160 de W9PNE/Brice, w/5 watts, this season wkd 47 States. (Who can help Brice with KL-KH6-RI??? On otr bands QRP 5 Watts WAC and 250!! Also w/ 1/2 watt WAC & 19C NOW!! Nice & FUN!! PA/SWL/NL216/Dick Bn sick in hospital w/heart attack Nw & quite OK. Keeps good ear on 160 DX. 70 Yrs Young & really enjoys his SWling. VFB Dick/luck ANOTHER WAC Wa4SGF/ED when he wkd EP2BQ Feb 22 '73. Nw w/4W1AE Feb28 60C. QSOs KH6CHC, EI9J, HB9CM, DL1FF, OL1A0H, 4M4AGP, K25LS, YV/AA, Gs etc CONGRATS!! W8CUS/"CHEN" on w/ 80w & 500' LW & BC3480/453B. 40 Yrs HAM since W2GCC 6/24/33. Sez "HURRAY FOR 160" !! Tnx! ZULITU/L.R.A.U. expected to be operative FEB '74 - More later!! SILENT KEY 160/DXer JACK/W2DC COATES Feb21st age 78/ A Lt Col of Royal Signals. His call was well known on 160 and w1 B deeply missed - "SK" Jack OM. G3AAQ/JAKE/FOC has severe BBC overloading/splatter/Etc (Stn 10 miles away) but still wks srm DX when BC stn off - W1BB, HGT, etc. Must use 20DB attenuation in front end. A tough problem!! SORRY!! WELCOME KLVMA/VP7-DAVE!! who is coming bk on 160 aftr long QRX - w/100w, CW, Xtal 1800-05 & 1824 Approx fm ANDROS Isl. GREAT!!

WEST COAST - TransPACIFIC - FAR EAST

"WELL-SAID" by K5CIT/KH6-JOE "The 160 boys dont listen enough on 1997Kc We call & call - No ans!! SO TRUE!!! K6UA/DALE Sez "160 can open anytime - you just have to be there. Many times it is really "Wide-Open" and there's no ope around to take advantage of a very FB opening!! Rite Dale OM!! JALHKP/"John" HAS EXCELLENT SEASON Hrd/Wkd many W 6/7 - Hrd W1HGT, W4EX, W5RTQ DEC - wkd KH6CHC, KG6JBO a "First-Ever"!! & JALACX. Marcus, VS6DO, EP2BQ. Hrd DEJ Oct/Nov/Dec. Sez "JA7AO wkd Wa8IJI & Hrd ZFIGS. JALMCU, 3AA, 7AO wkd 5Z4KL for "First-Ever" Africa/JA QSOs. VFB and CONGRATULATIONS John/OM. JHLKH/Nine visited USA/March. Too QRL fr much 160 bt wkd KH6RS 6 bands 10-160. 3 Cont. 11C has R4A OUTSTANDING JA7AO/"Tok" REPORTS!! (See CQ/160 herein) Also wkd Wa8IJI/TOM/OHIO, furthest East W/JA ever!! (See BULL #2) Hrd W4EX many times. Was hrd by W7UKP/4 in Florida. NOTE!! His marvelous 72/73 log lists 70 DX QSOs thru Jan28 - 29 Different stns, 9C, inc KH6CHC, IJ, RS - JD1ACX/Marcus - VS6DO-KG6JBO-VK6HD-EP2BQ-5Z4KL/Andre the "FIRST-EVER" JA/Africa 27Jan 2039z both 579 -- Ws/6,7, Hrd W4BRB JA3A/Isaji - JA COORDINATOR & DXer Sez JALMCU wkd 5Z4KL also ---JALMCO & JA7AO Hrd 4W1AE 579!! 569 7Jan - Many JA/W6,7, qsoes - JD1AGZ/Marcus wkd JA3AA, 7AO 27Jan 1873/1910k - "First-Ever" 88 KG6JBO/Guan, JALHKP 10 Dec 1307z then JA3AA, JM, BJH, KHQ, 7AO! VFB!! JALMCQ wkd DL1FF. VK3QI wkd JA7AO 27Jan. - JA3AA FEB hrd 4W1AE, W7DL/7, Wa7ILC, K6DDO, W4EX/559, W5RTQ -- JALACX Hrd VE5XU, W6NTF JA9AKU Hrd JY9FOC, EI9J, 8P6DR, 7Q7NB, PJ2VD, KV4MM, FZ -- JA3AA Nw has wkd 21C, 5 Cont 0 Needs S.A. Badly The "JA 160 METER NEWS" BULLETIN issued by JA3AA is a WONDERFUL publication (in Japanese). Latest No.17 25Jan73 has EXCELLENT "From the Log" section, listing many JA stns & their DX QSOs alde Hrd CONGRATULATIONS Isaji. JA3AA also is EDITOR 160 SECTION "JA CQ HAM RADIO" Magazine. Circulation 100,000 per month. 500 JA HAMS interested in 160!! GREAT deal!! "Fine and Dandy" (If U read Japanese

VK3CZ, REZ, BRB, Wb4JFK-W5RTQ w/"Best Sig" 589, S2, SBX-W6ITY, Wb6KBK-W7BNZ, DOL/6, SFA-Wa8LJI-W9PNE-Wa8NFI, KV4PZ. 25Feb (155s-155w) 0136-0323 "W1BB/1-W3IN-W4EX, GJO, DQS, BRB, K4CIA. TX a "Me" Jan OM.

ONE WAY SKIP REGULARLY OBSERVED to KH6 from East Coast. KH6RS, IJ, CHC can usually be heard well, an hour or two before they can be worked. Openings regularly occur very close to Exact E. Coast Sunrise

LOOKING SOUTH

FLASH-FLASH-FLASH!!! TRINIDADE ISLAND EXPEDITION BY ROLF RASP/PY1DVG and CARL KRATZER/Wa3HRV!!!! Especially on 160 - and all other bands - CW/SSB for a 48 hour period between June 8 and 13 '73. Calls PY1DVG/160 and PY/ZAA. CW-1827, 3502, 3527, 7002, 7027, 14027, 21027, 28027. SSB- 3797, 7097, 7197, 2197, 21297, 28527. Also on 1804 for Eu etc. QSL PY1DVG PO Box 51-2C-ee Rio Brazil. GRRRRRREAT!!!!

ANT MAARTIN Expedition de JOEKE/PY7VD. (PJ2VD):: Went off w/Excellent operating on schedule w/VFB results wkg many Ws & Otrs. Sigs varied depending time of night, up as high as 579 - at times Vy SSB & a bit "In the Mud". Many got "NEW COUNTRY". Used old Globe Chief w/xtal. PJ2ARI/Arie-opr wkd W/VE -8P6DR, KP4, KV4 - (Nw Arke bought this Tx & PJ2ARI should be on 160 regularly fm PJ2-HOPE!!

1973 TransEQUATORIAL TESTS:: FLASH!!!!!! Organized by Rolf/PY1DVG & Paddy/EI9J will be held each day roughly 0000-0400z each daying June. Eu & ASIANS use DX-WINDOW 1825-30. All otrs inc W/VEs use 1800-07. Stns North of Equator CQ 1st 2 1/2 min of each 5 min period. Those SOUTH, the last 2 1/2 min each 5 min period. Keep QSOs short to give otrs chance!! N/S Condx best in June - taper off in July. There are usually 2 or 3 days at least of EXCEPTIONALLY good Condx when sigs 2 to 3 S units above average. SOOOoooo check Condx daily. W/VEs must NOT Tx in DX-WINDOW!! CPLEU, LU5HFI, EVM, YV5CKR, ZS1MH (1935Kc), 9J2IZ, LF-ZP, VPS, CX, PY, ZD9 & Otrs expected on. Txw Rolf/Paddy - GREAT!! Have FUN!!!!

CRISTAN da CUNHA - ZD9BM/ROY sez "Over last 2 yrs hv tried many types antennas hoping sig would improve - I hv finally settled on an "INVERTED VEE". Fine ROY - CONGRATS!! Nice work ZD9 on 160/MAP

QUEBAJ/CARL Moved job, and to the country -off 160 for while - but "Shall Return" - Miss U Carl OM VETERAN 160 DX TRAVELER BOB SNYDER - LU5EVM ON 160 AGAIN!!! W/"Signal-One" Q. 50' Vert, agnst water pipe grnd. (EX-W/GTA, EP2BK, VS1LP, 9M4LF, LA/AD!!) Fm "NOISY QTH" downtown Buenos Aires. QSO'd W/AIH, however excessive NOISE queers many - being hrd well, & Cld by W/VEs though. Wkd ZP9AY, CA8V, ZD9BM, W8KFK Wa8LJI (Who has "TERRIFFIC" Sig). QRN/Static "RAD" too!! Wkd DL1FF. VFB Bob OM!!

FRED LUN - LU5HFI w/GOOD NEWS!! Has VFB QTH out in country away fm NOISE!! 98' Tower w/sloping half the dblt. Nw interested beverages - may put up "Several" (Hi) Has room. Also nxt yr w/ hev pair 813e legs allow 1KW. No LORAN problem, but QRN often "FEROCIOUS" - but when ne QRN can hear EVERYONE!! One night DHJ 25 over 9. Called CQ - 4 Eus answered - but QRN got them. "Fine and Dandy" OM Fred!!

BOB SNYDER's "HYPOTHESIS" - LU5EVM. Bob has made MUCH 160 DX History, and early in the game stated the hypothesis that "At the right time of season, nighttime, Condx etc, 160,DX Could be worked from ANY spot in the world" (Almost-Not in Auroral Zones) -- and the years have proved Bob RIGHT!!!!

AVES-AA-AVES ISLAND S.A. DXpedition (160 Portion) (de F5QQ/GD5APJ/Ron/Opr.) -- This VERY successful AB Expedition put on by the RADIO CLUB VENEZOLANO boys left Venezuela Jan7 midnight with 12 people, 3 Rigs inc DRAKE TWINS for 160. Navigation problems - arrived Jan 10 AM - got on HF promptly. 160 Tee apex 30' up Jan1. No one had 160 experience except that a bit of G3SUK's had rubbed off onto RON in G/land during 1970 CQ/160 Test - so RON went to work. 1st QSOs a Sked w/ KV4PZ/ssb. RON sez, "I was pretty excited to establish FIRST CW/160 w/KV4PZ, Then K4CIA, then 45 others!! I really enjoyed it a lot. Pse QSP my TNX to the 160 boys for their help, perfect behavior on air, patience & understanding while I was operating fm AVES. I'm answering 160 QSL cards as they arrive - 14 thus far out of 47. - A slight chance we may go back agn nxt yr!! Txw Me RON putting AVES on 160/DX/MAP!

WAY DOWN UNDER

VK3CZ/ART DOING FB - LIKES CQ/LISTEN PERIODS SUGGESTED ETC. - For VK/W working likes for W/VEs call 1st 2 min each 5 min period, and VK/ZL/Oceanic DX, call LAST 2 mins only, each period until QSO. Sez, "I make much less QRM & "Synchronize" things better. Wkd K6UA, G3RFB, G3SZA Jan21! -- DHJ comes in every AM (Most) 469/599 Plus. Wkg on GP w/Radials. ART QRV 160 regularly fm mid NOV thru APRIL has only missed ONE sunrise period. Remarkable Patience/Devotion, 160/perseverance!! Jan thru Mar wkd G3SZA, RFB-W4IAE-GM3IGW/A-W6UA-SALB, ANO-Wb4JFK. Hrd DHJ regularly, G3TR, LIQ, YRO, YMH, YUV, ZTQ/A, RFB-ORMA-W4GSH, W1BB/1, HGT, Wb9BUV, W8EOT. "GREAT GOING" Art OM - Txw a lot. KEEP UP THE GOOD WORK!!

CORRECTION!!! FIRST KL7/ZL QSO was KL7FRY (W5RTQ) w/ ZL3RB/Hick Dec 1966. (Not w/ZL2AGY - Sri!!)

VK6/SWL GEORGE ALLEN CONTINUES HIS VFB 160 OBSERVATIONS, STUDIES, ETC. Sez Condx bn poor 72/'73 for Southern Hemisphere w/only few short DX openings to W/VE, also Eu. Sez "Hv completed grand analysis of 160 1968/1972 Inc. for HAM & Commercial activity period of 1937 days - or abt 75% of total time available, starting w/W/GDH 1st W hrd 1968 (& 1st hrd when started VK6/swling 1966!!) -- Geo has compilation listing every stn hrd & how many times, different stns hrd etc. (CONTINUED NEXT PAGE!!)

TOTALS 1968/16 - '69/33 - '70/53 - '71/58 - '72/16 is DIFFERENT stations. Including REPEATS by some stations '68/24 - '69/105 - '70/99 - '71/97 - '72/38. NOTE how condx peaked in 70/71 You can make a curve. MARVELOUS set of observations George - Thanks - and "keep up the good work" !!

VK3ABR/Dave Jan 9 QSO'd K6UA - (Sez VK3QI wkd EP2BQ Feb 10 1425z) - Hrd DHJ Mar27,23. Uses FT101/HRO

VK3QI/MIKE CONTINUES CLOSE WATCH ON 160 - DOES VFB!! Wkd W1HGT-4EX, K4CIA-5SBX, SUS, SZ-K6UA, BCE-W6YR, DGH, ITY-W4RGH-W7DL/7, SFA-W47ILC-W8ANO, KWN-W48IJI-W9DL-W49NKT-K9YWO-W4A IH, NFL-ZL1AQ-4W1AE-OK1ATP, G4AKY-GM3YCB, IGW/A-G3ZEM-GW3YGH-JA3BJH, AHQ-JA4GHZ-JA9BOH --- Heard VE5XU-G3LIQ, YUV, XAP, IGW-5Z4KL-O, OL1AOH-HB9CM-OK1PCW, KPF, IDK/P-JA5BIN-JA6ZS-W47OFH-W5RTQ. --- A most EXCELLENT Job Mike. He has come up with excellent suggestion - "Suggest to avoid QRM, VKs use 1825-1830 when looking East (USA) and 1800-1805 when looking West (Eu)" - Whatdya say to tt fellows?? We're going to give it a try. LOOK for VKs 1825-30 hereafter (In addition to checking 1800-1805). If it works out all OK we'll change over 100% next season to VKs 1825-30, w/Ves 1800-1805. IMPORTANT!! VK6HD will be on 1803-approx, MAY 11-july 1 2245-2315, 5 days out of 7, LOOKING FOR EUROPE and AFRICA!! Go Get 'Im boys!!

VK3QI/PETER sez Static been high but Jan23 wkd W47OFH, VE7UP, W7DL, JA7AO -- 25th K6UA got 57/sss! and JA5BIN -- 27th VK6HD, K6UA, JA7AO -- 29th W46MCH, 8ANO, 4EX -- Feb 10th portable fm mountain top QTH wkd EP2BQ 1435z. Vy active on 160 Mobile. Suggests 80m ctr loaded whip w/LW to car radiator cap. Sez this arrangement extremely effective up to 60 miles hilly regions. Best Mobile DX 1000 miles. VFB!!

ASIA - ASIA

4W1AE/JOHN (G3POA) YEMEN:: Sez "Jan'73 Condx bn strange with "Funny Skip", weak sigs, no definite peaks, BUT!! one morning MOST interestingly hrd K2ANR 1 1/2 hrs after my sunrise!!" (This sure makes 16 interesting - doesnt it!!). Uses Inv V Window w/apex 90°, 200w. Has wkd VK & Otr DX inc Ws:: 1BB/1, HGT, SG-K1PBW/1-W2QD, IU, UEZ, BP-K2GNC-W44SGF 1 1/2 Hr after sunrise-VE1MX. Hrd VK3CZ one nite 569 for the Sez "There seems to be wide receiving discrepency btwn G/160 HAMS. Some gv me 579, whilst others cant hear me. DHJ incredible strength 20 ovr 9 while 160 open. DHJ S9/160 flat!!" Vy Interesting CONGRATS

FIRST JY9FOC/RAY-"G" QSO 24Feb'73 when JY9FOC QSO'd G3RFB 2300z during FOC test - CONGRATS BOTH!! & a special "Saludes" to RAY for putting JORDAN on the 160 DX Map!! This is very exciting and also represents NEW COUNTRY for many of us - RAY's activity depends on his very exacting duties, but he is most cooperative and a VFB FOCer. Uses KW2000 - keep an ear for him most any time - unexpected!! HARRY-EP2BQ - SHIRAZ IRAN Going "Just Great" on 160. Since Sept wkd 5Z4KL-4W1AE-VK6HD who made him "WAC" First in ASIA!! (Harry also has First 5BDXCC ASIA!!), JA5BIN - FIRST JA/EP, KV4FZ, KP4AST, JA1MCU, ITX, HKP, JA7AO, OE5KE, DL1FF and! ZL1BKK, 8P6DR, VK3QI, ZD9BM, HB9CM-Ws, 1BB, HGT-4QCN, GJO, BRB-W44SGF, K4CIA-W2QD, UEZ-K2GNC-W42SRQ. (A number of sss). Sez "HAPPY to hv gvn so many Ws their WAC/160". Thinks 160DX award good idea. Start 25, add sticker every 25. Tnx a Mc HAPPY OM putting EP2 on 160!

A.R.R.L. ALL BAND CW DX TEST

FIRST SECTION skip condx quite gud bt noise high. (2266 on a 3000 scale). W1BB wkd 16 DX stns. W9PM wkd 5 EU, KH6, KV4-OK1ATP. 18th "FANTASTIC CONDX" wkd 4W1AE, 8P6DR, 9C9BQ, KV4FZ, VE1, W1, 2, 3, 4, 8, 9, Hrd W5RTQ. Still testing various Ants --- W3AU 1st wk end 21 DX QSOs/21C (Phone sect 9DX QSO/7C NOTE!! DON has 1500' BEVERAGE at W3AU sez "Wks FB"!!! --- VOLKE wkd HB9CM, GW3UCB, KV4HW, EI9J, Gs. Lost PJ2VD.

CQ.WW.160.TEST - A FEW HIGHLIGHTS - W2EQS to REPORT FULLY IN CQ

W2EQS/Chas sez BEST TEST EVER!! Countries on:: '71/38-'72/43-'73/47. Highest previous mult 69, '73 K1PBW/1 is mult 77. Last yr 5 stns over 300 QSOs, this yr 6 -Greatest number countries wkd previous 22 - this year K1PBW/1, & Kv4FZ 28!! W42SRQ/2-25 and W1BB/1, W2DXL/2, W3IN each 23. W4QCN/24. These results GREAT. GOOD Condx prevailed. Charlie will have full story in CQ one of these days!!

VS6DO/PAUL wkd only KH6CHC, K6UA. (Rumored he wkd W3IN but not confirmed), and a few JAs. is "Disenchanted" with 160!! W1BB/1, as usual, had "GREAT TIME" working DX-ONLY, mostly. Most amusing happening was trying to raise G6BQ for over an hour before QSO, then raising VP8KP first CA K6UA - see under TransPACIFIC BULL No.2 A REAL FINE GESTURE/EXAMPLE!!! during test W1SG/Cliff hrd JO8SV working Ws in DX-window. Rather than violate the WINDOW himself, Cliffe did not even call JO8SV - even though this would have been NEW COUNTRY for him - FINE EXAMPLE Cliffe OM "SALUDOS"!!!

W3IN/DON wkd 44 DX stns!! Including a "FIRST-EVER" VS6DO/349 to W3IN. (Confirmed?) "int Dat surpriz??!! CONGRATS DON.. W4HY/BAKER "18hrs. Never hrd 160 so gud esp N/S!! "Dx-Window" worked EXCELLENTLY!! Most Ws stayed out. Ekd CO, KP4, HR2, PY1, OA8, YV5, VP8-6500 miles!! PJ2, 8P6. EXCELLENT!!

W4BRB/GENE "Wkd everything hrd - fabulous Condx - LU5HF1 gave me No.62C!! He & VP8KF 589 two nites!! 2nd nite wkd dozen Eus, a whole season's quota!! FB. ORAKU/WILLY wkd 65 Stns 7C 2254 Pts Hrd EP2BQ, KV4FZ, W2LWN, VK3CZ, K1PBW/1. OK1MCH/MARTIN:166qso/7260pts. (This IS a high score!) Only 2 DX-wkd EP2BQ & W1BB/1. Hrd KP4AST & KV4FZ. Martin Nw has wkd 5 Cont-only needs AFRICA for "WAC". Total 26C. Did vy well also CQ/WW/AB 15C, 5Z, 1840 Pts. Wkd VK6HD. Studying vy hard at School - no much time for DX newdays. CONGRATS MARTIN!! SORRY GANG!!!! Have MORE but hv run out of SPACE!! Will hold for FALL BULL also

EAST COAST -- TRANSATLANTIC -- EUROPE/AFRICA

LIECHTENSTEIN DXpedition BY HB9NL/HB6NL/Frank: OCT 8th thru 20th, a great success - wkd MANY Ws.
BR HONDOURAS DXpedition VP1SYL/Roger: CQ/PHOEBE/T OCT26/7/8/ - cudnt get 160 ant up - used 80ant
NOT so gud! But wkd W4REZ,GJO,BRB,OCW-K4CIA,BHG,ZCP-Wa4RDUOW5SBX-K5TFG-Wa5ZNY-K3RUQ. W1 GO BACK ag
BY H!!! NO! HEAR THIS!! GUERNSEY & JERSEY Dxpediton by PA6HIP/Willem w/Pa6BWL: EASTER, April 6-15
Guernsey/GC5HIP and Jersey/GC5HIP/A APR 10-15. (Applied for these calls - waiting hopefully). QRV
nightly 0000-Sunrise peak. Tx 1825-30. QSX 1800-05. QSL-PA6HIP. GREAT!! Lotsa luck & gud Condx!!
ALUDOS!! TO G2XAP/Phil - REAL QRP Swatts DOES IT!!! QSO'd VK6HD, Dec28 449 to complete 160/9w
"WAC", culminating 2 yrs patient perseverance and antenna work. "READ ALL ABOUT IT FOLKS", in a
wonderful VFB 1/4 wve ANTENNA article by Phil in RSGB's "Communication" Mag, Pge 842-5, Dec73.
It's really EXCELLENT, covering a good 160m inv "L" ant for restricted space. Nw Phil is startigg
for WAC agn, this time w/ 5 watts!!! And gg write another article on #DIRECTION.L" wkg w/this ANT
AN "OUTSTANDING" SIGNAL FROM W2WLN/2!!! During ARRL/CQ Tests etc was reported by many DX stns to W1B
Doug/WLN "Tells the Story". WOW!! what a set-up! Operators W2WLN,Wa2SRQ,Wa3FFR, at the USCG
Electronics Engineering Center, Wildwood NJ, right on the Beach beside ocean - where Doug works,
using their 1/4 Wve insulated vert ant w/300FT radials every 3 degrees (120 of them), & fiberglass
guys. (When used to test LORAN-A Transmitters, it loads up to 1 Megawatt!! Photo to be in CQ soon
Also two BEVERAGE ants. 1000Ft facing Eu terminated in gud system of 120 radials, Doug sez of them,
"Phenomenal!! Cud copy Eu stns well tt we cud barely hear on Vertical", and a 1700 Ft BEV facing
WEST. (A real hard one to install, laid on top of brush/briars. Wa3FFR, "The Tank", waded thru, put
it up.) Used R4C/T4XB -"Really fine equipment", "Also two digital contest machines programmed to ke
TEST exchanges at press of button - really helps!!" Dec ARRL/160 test 544Q,80Mult,19C,Score 43.5K!!
AULITU-W2QD/Jim-TO BE ON 160!! Feb 19 thru MAR 10, 0500-0600 WEEKDAYS 1827 approx. W1 gv QSX Fy.
VOIKE-VO SPECIAL PREFIX "VX" FOR 1974 -ETC-de MIKE:: To commemorate 25 yrs since VO joined VE,
special prefix VX may be used lieu VO, VX1KE forexample. Mike was No.1 boy to use this new prefix,
QSOing G3RXH at 0000z Jan 1st. Sez QSLs for VX1KE via Wa1QBH. VOIKE bn active but hd "Tough-Luck"
put up FB Center/Loaded Vert, then tail end of hurricane at 75mph took it dwn - TEARS!! But up she
went agn!! and doing good DX!! -- Mike has gud theory re Sunrise/sunset peaks. During day he sez,
D-layer is ionized by sun & absorbs LF sigs. With DARK, D/layer disappears. F layer slowly weakens
b. maintains reflective ability thru nite. What is important is not the Sunrise/Sunset time at a
given stations QTH, but rather FR/SS times at the point where absorbtion or reflection occurs.
This point diff in Lat/Long fm tt of stn concerned. Fine Mike/Tnx. Seems to fit results his QTH.
HAPPY TO REPORT IRAN EP2BQ/Harry BACK ON BAND!! fr 73/74 season, aftr holiday GM/land at NEW QTH
500 Mi N of Shiraz. Inv V up & wkg. Hrs Eu Fb - No NA yet except KV4FZ. Also hrd JA3AA. Actiing TEST
FIRST "TransATLANTIC" DX TEST NOV 18th: Fair edx - quite gud test - Two newcomers, "First-Timers"
GM8FFX & G4BEG made it across, plus lots of "Old/Timers"!! W1BB/1, 10Q ==W1PL did GREAT w/G3,OK1,
DL1,YV4,LU5. 7Q!! ==G4BJM/Fra made it night B4 test, his "First/Ever", celebrating his 16th birth
day, then VOIKE,EP2BQ. Bn swl since 8 yrs old - licensed since 14. Used KW200A == G/swl NOR'AN
SMITH logged Ws-1BB,HGT-K4CIA-8ANO-A8APH,ASIJJ-VOLKE,YU4AGP. WONDERS IF new Comet affects 0500-
0600z DX?? (Anyone any ideas??) sez KV4FZ TERRIFIC signal - Tnx!! == W1NFL/Jim: No Eu Hrd bt wkd
LU5HFI. Hrd YV,PZ,KH6. == OK1ATP/JARDY: VOIKE,W1BB,PL,K2ANR. Hrd YV4,DL2GG/YV5,ZF1FOC@VE7UZ h G2
589 wkg a W5, both on 1827. Wonders if "Franksters"??(Other "Jokers" known on -ZE3JO,VQ2JF,ZL2BT!!)
SECOND "TransATLANTIC" DX TEST Dec 23rd:: Was unfortunate w/ vy poor skip endx. PY1RO,HB9NL,DK3BJ
G3ZEM,YUV,OK1ATP pushed thru at W1BB, but that's all. No "First-Timers" made it. SORRY!! But
BRS/swl#30371 Mike Cooke submitted excellent rpt. Hrd W1HGT,2LWI & KV4FZ/VFB!! Ant 65' wire laid
on bungalow roof with two 17 Ft "RADIALS" indoors under the carpet!!!! Vy Gud Mike om. Hope u get Lic
THIRD "TransATLANTIC" DX TEST Jan 13th;; SORRY!! Agn Vy Vy poor endx. Poor skip/HIGH QRN/m. Vy fe
stns emg thru. DHJ/Weak. W1BB hrd GM3YOR,G4BUO,Pa6HIP,G4AFS,G3PU Weakly. Wkd G6BQ,3LIQ,GM3YCB only
PAUL GODLEY -- "SILENT-KEY":: Fm heart attack, age 84 Oct 20 '73 - will be remembered for FIRST
Amateur "Transatlantic Tests" w/success in 1921 on abt 160 meters, of which our present series of
tests are reminiscent. He was foremost Rx expert, at one time nicknamed "PARAGON-PAUL". (Remember
those VFB Paragon RA-10 receivers??). We 160 DXers appreciated his letter to us appearing in BULL
No 2, pge 6 Jan31'73 - Just a yr ago. May each of us meditate a moment abt his great pioneering
contribution to Amateur Radio, and our own fun, following in the 1921 trail he blazed, we are
still "Crossing the ATLANTIC" on 160!!
W2EQS/9-"Charlie"/"Chas":: Back on 160 Nov 24, Mishawaka Ind w/260' dipole aftr moving fm NJ last
FEB. CHEERS!! WE'all missed U a lot!! Going "Great-Guns" nwy, already wkd KV4,VP9,G3,G4,Pa6YV5,LU5
OK1,EI9,KH6,GM3,HK6BKK,HK6BKK/HK6,KL7. Great Chas. Luck fm the new QTH. And special CONGRATS and
and trx fm all the gang for the TREMENDOUS job you do on the CQ/160/WV/DX TEST report each year!

WONFL/Jim HEARD FROM:: Sez APR blizzard took dwn tower - bt back up agn, 72/73 BEST season with 42 new C, 100 nw 48C. "Remind w/VE DXers it's not against the law to op in DX-WINDOW but IS to GUESS & call those who do SOBs - this b'gg on & wonder who the REAL lids are??!! Few on both sides". How true Jim!! /// THEN!! another BLIZZARD hits Jim agn w/freezing rain, high winds Dec 5, top 25' of 160m tower - what a mess!! (A local 2000' TV tower also went - real SORRY Jim em.

NL-COMER PA/SHIP/WILLEM DOING VFB!! (Formerly PA/swl/NL463) Since Aug 18, sum STATISTICS!! 22C 80Dx Stns, 160Q. CQ/WW/CW 4100pts, sbb 2296pts. Best DX PY1RQ 9500Km, Best W-W4EX. FIRSTS!! YK1OK, DL2GG/YV5,4X4NJ,EP2BQ. Has interesting theories abt skip. Believes "Temp Inversions" give gud DX! (Agree). Doesnt think "One-Way" skip exists.(Disagree) Believes in DIRECTIONAL skip, gives exam of when he can wk Ws, and Gs cant hear Ws at same time. Doesnt like "Jokers", VQ2JF,ZE3JO,ZL2BT,Y missed wkg VK, but "Hot on their trail". Building LOOP to help with Noise. VFB Willem!!

4W1AE/John (G3POA) INTERESTINGLY HEARD FROM WITH LOG:: W1BB nw has LOG complete all operations fr Nov'72 to QRT Jul'73. Anyone wishing to "Check" a QSO, or "Heard", send SASE to W1BB. John has QSL for everyone he worked. Is nw in Riyadh, Saudi-Arabia. Sez "No prospect operating fm hr - FRUSTRATION - I think of my operation fm YEMEN/4W1AE terms what I missed - however did wk 160Q, 4Continents,mes over 2500 miles. HAS any technical explanation ever been given why certain paths are btr than otrs on LF? Frinstance G/W1 is easy Nw, but G/W8,6 hard. EP2 & Eu easy, but 4W1/Eu hard. G/ZS nearly impossible, as is JA/W1. G/9M2 abd G/VP8 easy considering vast distances. Scores otr examples, can be explained by saying a 'N/S path btr' or 'The path is all ovr land' - anyone any ideas??"(ONE to think abt John - Geo Jacobs W2ASK sez, every time a 160 mtr sig hits EARTH and rebounds, it loses 6db!!) All this makes 160 interesting and unredictable! -- Another interesting fact fm 4W1AE, Com to W often peaked 1 to 1 1/2 hrs AFTER dawn, when it was broad daylight!! (Can yuh beat that??). The actual dawn peak was not so pronounced, perhaps a gradual buildup 40 min before to 5 min before dawn when condx collapsed, until the POST dawn peak an hour later. I remember one morning hearing W4BRB wkg 8P6DR who was inaudible. BRB peaked 579 fr 10 min. Cud hardly believe he was 6000 miles away, a morning sun streaming thru window!! WalGXE called CQ on this peak & was most suprised to get me" T

NEW "FIRST-EVER" 4X4NJ/W1BB QSO!! Dec8'73-ARRL/160/TEST,0131z,BB579/NJ559. CONGRATULATIONS to RIKI who has persevered ovr the yrs & finally obtained his Govt's permit opr during "International Tests W1BB only W QSO'd. Hrd KV4FZ, Wa2WLN/2, both gud sigs. Also Q PY1RQ. Total 30stns, 10 Cntries, 30C T I IT HAPPENED!!! "Murphy's Law" reigns supreme, Riki Sez - just at sunrise peaving time - blew pwr transf & off air rest of test-Tears!! Ho ever if he can get another po er Tx wl be on future tests!! Riki operated fm 13th floor, - (Btr choose 14th NEXT TIME to protect rig from tt unlucky Hoodoo No.13!!), -of "FOUR SEASONS ISRAEL" hotel at Nathanya Beach w/VFB SLOPING dipole fm roof to beach directional W/VE & Eu. This is VE3MR/4X4UR's QTH whose wholehearted support of the venture, loaning QTH,Equipment,Etc,made this possible. SALUDOS!! Martin OM & Tnx a "Me"!! Also to Riki agn, COMMENDATIONS on mucho patience, perseverance,VFB Operating. Tnx a Million, putting ISRAEL on 160!

DL9KR/"Jan" HEARD FROM AT "Long-Last": All were anxious when no hr on 160 long time - Sez:"FIRST reason - got new roof on house, had to take down entire ant system inc 130 Radials!! SECONDLY, got started UHF & Hvg tremendous FUN, constr/opr,etc. W1 Hv gear for "MOONBOUNCE" on 432Mhz ready early '75 - otherwise hole family well." (Seems like a GREAT 160 man gone wrong???? ASTRAY????) Luck Jan

SHORT ITEMS:: => G/swl/NORM hrd fm agn. Vy active. hrg lots ~~W1,2,8,9,KV4,VE~~ stns. SezK10 loudest USA Sta! Norm bn active since 1953 - 20 Yrs FB 160 swling - Tnx Norm!! => VP2MAH/MONTSERRA Br. HONDOURAS got on Oct25 fr CQ/Test - wkd W1BB/1,W2BP,LWI,IU-Wa81JI,K8KAS-W4DUS,K4CIA-VE1CD and many otrs!! => WHO NEEDS NEVADA??? W7ABX/Joe glad accomodate!! Has T4XB/R4B, 30ft Center load Ver wkd 39S inc ALASKA!!(Also VE1MX!) Ex W1ZTT/Winternport Me. => DL1FF/ARMIN in hospital 4 weeks, heal /rest/treatment. Has 2 meter FM rig - radius 40 miles - buying Brake R4C fr 160 wl B back CQ/160/ Since Oct/160 wkd Ws::8,1s-7,2s-3,3s-5,4s-2,5s-3,8s-2,9s-4,VE/VO-KV4,YV4,EP2,PY1,9Z4. GREAT showing DL Band nw 1815-1835Kc. Armin sez OH1ST,RG,UR-2B0-3NB/OH5 & OH2RV all on 160 now. LUCK/RECOVERY OM

INTERNATIONAL OE 160 METER TESTS:: Willy Kraus/OE5KU wkd 48Q,7C sez "Cndx Net Gud". Hrd W1,8,4-VO-KV4-YV4. Hope btr endx next yr!! => GM5BFQ/FRED RACE Ex W8KWN,K8IUA and KL7HEE!!!! stationed in Holy Loch area, has vfb QTH w/view "Firth of Clyde". Room fr gud ants. On nw w/temp poor ant w/T4X R4B. Wkd W1BB Oct. Hopes go to "ZL" next QTH abt '75. Fred holds 160 DX record 2xSSB, KL to VP8MB at Antarctica!!! VFB!! => PA/swl-NL216/DickWILLIJSNS Continues w/vfb rpts using "Joy-Stick" indoor & FR-DX-500Rx! Hrd BB,PL,HGT,K1PBW-2LWI,ANR,DEO,K2GNC,Wa81JI(Vfb sig)W9NL,W2EQS/g,mani Otrs w DL KV4FZ,LU5HF1,CX3BH. Dick bn faithful many yrs w/FB results. (Also OH3NB,OE5KE,4X4NJ,VO1KE hrd => NEED RARE VERMONT??? W1GWC,Jim Wilson, 40 S. Vergennes, 05490, Vt. is QRV & vy cooperative! (Per K4RDU/Tnx!!) => WORD FROM FINLAND OH2RV sez"OHs allowed on 160 only by special permission w 10 watts max" => Wa2AGQ/Ken O.T. fm 160 way back 1924/5 Nw bk Sez "160 Vy Interesting!!" RIGHT!! uses Valiant/HQ180/InvVee -welcome Bk!! => WCW!!!: W5SUS/John nw has 115ft Vert w/ 150 RADIALS!!

K4CIA/BILL up to 49C w/VP1SYL Oct/73 - nice going!!

PRE/SUNSET DX!! Dec 16 3.30p EST-2030z, 45 Min before sunset time, W1BB hrd G3ZYI/569 QSOing
OK2BKR/339. Also hrd VO1KE/449 at W1BB while G3ZYI was 569!! W1BB then QSO'd G3ZYI and OK1ATP gettin'
55/69. Dec 17 VO1KE Q G3ZEM at 1830z, 1.30PM Local!!! LONG before sunset - probably a record - anyone
QSO'd earlier?? Early DX Most interesting!! Wa4IDM/Jack Sez Dec 12 0030-0130 VFB Eu opening
w/ PaPHIP (#250), G3ZEM, OK1ATP, EI9J, G3ORP, OK1ATP (#260). G3ZYI 599 at times!! TALK ABOUT RADIALS!!
J has 105 of them, 40' to 200' long, plus two 8ft Copper rods & 12" plate on bottom of pole set
10' deep in ground. Inv "L" Ant Sect Vert 70', Uses Ranger & 75A3 2/MFJ Filter on Audio output - Sez
"Sure helps to pull in the weak ones!!" W011/Bob using fb inv "L" & 45 Radials in small 65x130
lot. Has 32G!! Sez hv trble pushing thru "East Coast Curtain" to Eu/AF but made it 6 times!! Needs
only Asia for "WAC" - vfb!! de Wb8APH/Wal: "Doing lot experimenting w/different types of
"BEVERAGES", single & double wire types - live on old farm w/200 Acres!! 160 Paradise - seems like
putting up & trying sumthing new every day - am 30, xyl & 2 Girls". VFB "Wal" - let us know how ant
tests come out!! Pse!! HA5-142/swl Janos, continues vfb LOGS stns hrd on 160. Dec 15-31:: W1BB,
W1GER, GBP, K1RLR-W2DEO, BP, K2GNC-W5SUS-Wb8APH, Wa81JI, VO1KE, VE1CD, MK. If you want a "Check", advise BB
A real gentleman, 71 yrs young, retired Nuclear Physicist Research Engr fm Inst of Mining. Tnx Janos
MORE LOOP NEWS W1AXA/"Red" has LOOP Nw & wkd HK/BKX, G3ZPS, G3LIQ & PaPHIP in JAN. Wks gud!!

WEST COAST -- TransPACIFIC -- FAR EAST

GANG!!! "HEAR THIS de KH6CHC Jack sez band wide open to Midwest/East Coast many times. One night hrd
We: a81JI, a4SGF, bEAPH, 9BBR, 5TOS, 9NFL, 1HGT, KL7CL 0600-2000z 559/569 - called 'em & CQ 5hrs and not
one answer!!! PLEASE!! Good Fellows, CHECK 1994-2000 Kc OFTEN!! Appreciate fine wk 'ur doing Jack OM
VIETNAM XV5AC/Don (K7CBZ) 160 ACTIVATED!! w/ T4XB/KW CW/ssb. 255' dipole sloping N fm 200' Tower to
8' above gud. 51S1 Rx wks great!! FIRST Oct/Nov Qs KA6JT, JA, DULEJ, HS4AGN, then W7DOL/6. Will be on a
can find time. Don Riehoff now also ACTIVATING XULAA/CAMBODIA!! GREAT NEWS!! Congrats Don OM.

JAPAN WORKED BY W0NFL/Jim:: DEC 1 '73 when he Q JA1MCU/569 on 1911k 1305z. Also hrd JA3NQ, 2GQO/449
Band "Out" quickly at sunrise. Used W0NFL/Modified W7DOL/6 LOOP to help eliminate 1900k LORAN effect
gave 40DB attenuation on the NULL. Sez:"Rec'd JA on reg ant BUT the LOOP MUCH BETTER - Vy Psd w/LOOP

HONG-KONG VS6GM/John:: heard fm!! Sez"Just getting feet wet/160 w/T4XB barefoot wkd JAs, K6UA/S5
MyS4 Dec 10 - such a delight to me, managed to crack in two, the "Dit" paddle on my squeeze Keyer,
w/ing body 'English' to squirt a wee bit more into the ant!! Use random 400' LW tied to mast on far
hill - 80' high ends, 50' middle w/droop - w/"Random-Wire" 80/10 ATU wldnt load - but w/series VC
loads like dream entire band swr 1/1 Wks 160/80/40 Nw VFB" - GREAT JOHN!!! CONGRATS - nice work!!

AN 'EASTERNER' GOES WEST YOUNG MAN!! W1HGT/Ralph hd 2 B S.F. weekend Dec 8/9 BEZZness, (ARRL/160/Tes
but took R4A rx dangled 130' wire outa hotel window, hrd G3ZEM/449, PaPHIP/449 just B4 Eu sunrise.
GREAT rec DX G/Pa WEST COAST, but Ralph "Crving in his beer" - missed OH2BO, 4X4NJ - sir Ralph!!

SHORT ITEMS: KH6GMP/Gary using "Folded/Marconi" of TWINLEAD w/T4XB&R4A wkd well. Sez:"Never dreamed
it hunk twin-lead wk out but seems to pretty well. ExKH6HOM, Gary Elliott nw K4IRQ/Miami Recmdd ant

NEWCOMER K7LFY/Bob gg "Great-Guns" w/T4X, 75A2. In 4 Wks QSO JA, VP8, VK. Hrd ZL, YV4, LU5, XE, KV4,
w/185' LW, 135' vert, & 600' WAZ Bev. EXCELLENT! Sez"Activity high hr W7. Sunset E Coast strong bt seems
like there's a lot of "One-Way" skip!!" Tnx & Welcome Bob!! K7IDX/BRUCE Changed QTH (Not KL)
fm Bainbridge, to HANSVILLE."Terrific QTH, top hill, salt water all round 270 Degrees, hearing MUCH
btr! T4x, R4a, 75A4. 140' Tower, 40 Radials, vert & Horiz ants. W6SAI/"Eimac Bill", 11/'73 sez"X
listened w/old HRO, short hunk wire, hrd YV4, KV4-codx VY gud @ my "Sea-Ranch". KH6 Loran vy loud on
1850, but at 1805 not bad at all. 1950 Loran, 14 miles N bn cleaned up, nw sharp, so 160 Condx much
btr! Tnx Bill/om. MOBILE MARINE JA3SVG/mm/"Tok" Still active. On CW/VW/CW/T wkd Wa7GWL, W7SFA,
K7IDX, KH6CHC--Hrd W6SEN, KL7CL, W7ABX, J1, QID-W4EX-W5RTQ. Nw enroute VK/land.fb! SALUDOS!!! JA7AO
No.1, then JA7NI & JA1MCU WORK PY1RO!! See item under "Looking South" herein. CONGRATS Boys, VFB

"FIRST-EVER" JA/PY QSOs!! W7HZL/"A1" w/260'dipole up 67' vy active - Needs RI, ME, VT, DEL, AIA for
WAS - can U help?? JA7AO/"Tok" MAKES FIRST EVER JA WAC!! QSOing PY1RO Jan 21, Oz 579x2 Many Men
CONGRATULATIONS om!! Also wkd OK1ATP!! Sez JA3AA, JA1MCU wkd PY1RO Jan 5 fr their WACs-GREAT!, also
W5RTQ/JA7NI QSO Sep 30 & Oct 8 1st ever JA/W/Texas/QSO. "Tok" nw has 23G inc XV5AC & DULEJ!! K6UA/De
wkd many JAs & Jan 10 YV4AGP fr 4IG, VFB!! CONGRATS!! Has skeds w/ZE nw fr another! Sez ZS6DW active
ssb 1968k also Don Riehoff activating XULAA on 160. Dale's great source of "Hot" info!! Tnx a Mc!!

WELCOME NEWCOMER W7JI/Jerome:: in TransPACIFIC test Jan 12 Q JA7NI/559, JA2UEQ/449 Sez"Am really
used w/160 aftr being on only casually last 37 yrs! Am bldg LOOP/hope cut noise/ Maybe 120' ver
nt yr. Also wkd KH6RS, ZF1GS, KL7CL, DL2GG/YV5, HK/BKX. JA1NSA, JA7AO, YV4AGP, CO2DL, LU5HFI" --(Ur sure gg
like "Houseafire" Jerry om - vfb!! CAN ANYONE HELP JA1HKP/JUN/mm::??? Enroute Ja/Papua/Guam/Etc
"Hrd these stns on 160. CN3T clg 4I4Q-RCR3 clg RLIA-5SF3-VC6C-RBL34 clg UQD73-GHIT/1829k. WHAT are
these stns/QTH/Etc???" Can anyone help?? VE7UZ/Vic "TransPACIFIC" T Dec 23, 24 wkd JA1HKP, MCU-3MY
7ANI 1510-1540z. Nil else hrd. ALSO!! Jan 5 QSO'd OK1ATP!!!/449, my569."SURE WAS THRILL" My WAC Nw
Using 130' top loaded vert, 800' fm house on Knoll. GREAT STUFF Vic OM.

CHEERS!! COSTA-RICA TI2CF/Carlos ON 160!! Lived/wks in San Jose. Bt his 160QTH 20 miles in Country w/two 370' towers to hang Inv V on! Unfortunately Carlos excessively QRL/wk-also Pfes. Radio Club de Costa Rica, so not as much time as desired for 160. When he does get on puts out terrific sig!
 ROLF GOING "GREAT GUNS"!! Wkd 9Z4GS, 4X4NJ, XV5AC!!! and JA7AO/569solid #480!!! Also JA7NI, JA2GQO, for resounding "FIRST-EVERs" - hopes knock off VP5GS & ZS1WH(1933Kc) to make it 500, or, a "HALF A DXCC" B4 gg QRT 5 mos fr computer training trip USA/MASS - LUCK!! Wkd JAs 25Min after his sunset time, path over AFRICA/INDIA 2150-2215z openings. Sez his sunrise path over Pacific, N.G. beeps hvy LORAN. Darkness overlap Rio/Osaka 30 Minutes. His 579!! DHJ vy weak then. Rolf celebrates each new country wkd w/bottle champagne, sitting on porch his new own home. Rolf's been sipping a LOT of Champagne lately!!! CONGRATULATIONS - VFB Indeed!! Hopescontact hams his 5 Mos in USA!!
 SAN ANDRESS HK0BKX DXpedition BIG SUCCESS!! Dec29-Jan16 "Barry" W9UCW & "Moose" W9YYG using FT101 W/BIG SIGNAL, knocked off QSOs "Unlimited" & gave many a "New-One". Tremendous QSL job coming up!
 SOMETHING NICE TO WORK FOR - VFB "WSA" CERTIFICATE!! Issued by Tom Hoke, HC1TH/K50DZ to any station wkg all 13 S.A. Countries. (Per p104 Dec'73 QST-\$1.00) Will so endorse if all on 160. Tnx Tom OM!!
 YV4AGP/MIKE on often. Wkd PY2, VP8, ZP9, KH6. QRN S6-9 bothersome!! Needs AF-AS-EU fr WAC!! His sigFB

WAY DOWN UNDER

SHORT ITEMS → VK6/swl ALLEN sez Sep22 vfb opening. VK6HD wkd W1BB/1, HGT-4EX-5RTQ, SBX, K5RTQ, K7IDX/7 JA2GQO, JA1MCU, JA7NI, JA3BHW & otr JAs, total 15!! These hrd by Allen plus W0QAW, Wa8LIJ W2BP, JA7AO all using 3' LOOP!! → VK3CZ/ART Hrd W1HGT/339 twice in Oct, W7DL/7, W5BFZ, VE5XU Condx then rather poor. Has rec'd his "WAC" Certificate. Latest VFB rpt Oct-Jan14: wkd E18H/Dec22 (Gives 8H his WAC!), OK1ATP, G3ZEM, XVY, YUV Dec30 1900z "Best Ever Ex Session"!! VFB/Art!! → VK6HD/Mick has changed QTH-bn off air long time - nw QRV agn-has QSOd K6UA, JA7NI, HS4AGN. Hrd W4EX, DULEJ, OK1ATP, G3CXX 'doin Fine' benu!! Esp for Spring EQUINOX!! → RE "LONGEST-EVER" 160 QSO by JA7AO/VP8KF, 9JU 9Jul'73. VK3CZ checked this vs his QSOs w/Gs - sez "Have measured the two paths carefully - VP8/JA7 path 500 miles LONGER than VK3/G path!!" S0000000.... "Tok"/JA7 is "CHAMP" by 500 Miles!! Any otr comments??? → "BELIEVE IT OR NOT"/Ripley: Nov 17, 1914Z, ROBIN/G3ZYE Chm of Kelly College Amateur Radio and Electronics Society, Devon, was trying to work a 160 sked 300 miles away using 10 watts at a only 50' short wire 10' high. REC'd "SAL" rpt fm VK3CZ - his sigs hrd 339!!! "CAN YOU BEAT IT?" → ZLIAH/JOHN REPORTS IN AFTER LONG QRX BB last hrd fm 1962!! Sez "Saw TOP-BAND" Test mentioned in NOV QST so tuned in JAN 13/14 at 0700, 35min BEFORE SUNSET until 0730z. No ZLs or EUs hrd, but Wa8IJI/559-579/0711 wkg G6BQ.0725/449 Magnificent signal. K9YWO peaked after 141 0717 clg G3PU at 559. Also K8CCV/449, WA7RLE/219, W6TJW/329, KL7GCH/219. Sez "UNFORTUNATELY I dont have Tx for 160" Sri bt Tax a lot John!! Great to hear fm you. Many inc W1BB remember your GREAT wk on 160 past yrs!!

EQUINOX TIME AND GOOD W/VE-VK/ZL CONDITIONS COMING UP!!! Approx MARCH 17th, S000000... for 2 wks B4 this and 2 Wks after, expecially, be on the lookout for OCEANIC DX - should be at it's best then This is weeks of MAR 3, 10, 17, 24 and 31. SUGGESTED PROCEDURE is for W/VEs to CQ first 2½ minutes of each 5 min period, and VK/ZLs etc the last 2½ Min of each 5 min period. Since W/VEs and VK/ZLs BOTH traditionally have used fys 1800-1807 Kes for working, it is important so W/VEs will not QRM each other calling and CQing, that ALL W/VEs, unless actually in QSO, refrain from transmitting the LAST 2½ minutes of each 5 min period, and vice-versa with VK/ZLs. THUS Ws can listen for DX QRM/free, and VK/ZLs the same. BE SURE TO SET YOUR SWEEP SECOND HAND CLOCK BY WWV AND KEEP EXACTLY TO THE SECOND TO THESE PERIODS'!!!. Please help to spread the word on this. In past have had QRMMA

CQ/WW/AB/CW/TEST

SOME "TEST" HIGHLIGHTS

→ W3IA/Don wkd VP9BO, KV4FZ, 9Z4GS, G3ZEM, GW3UCB, GM4ASY, HB9NL, BL1FF, DJ8WD and 9Z4GS/230 → 9Z4GS/Gene (W4BRE) "Was doing fabulous at start bt Condx changed & 'done me in' " wkd 70Q, 10Z, 16C, 205 points, 5224 score approx → KV4FZ/Herb: wkd 230Q, 29C, 11Z, 21Kscore. WOW!! → OK1MCW/Martin: got all set to wk much DX. At 0000 switched rig on - SWR way up - climbed roof in darkness at midnight - found coax feed cable broken - went back to shack vy sad!! Next day, he & his DAD fixed - 45QSOs. Sri Martin but that's the fighting spirit!! → OK1ATP/Jardy 112Q, 17C, 6Z 2596 pts. Wkd OH4NI, EP3BQ, 9Z4GS, KV4FZ. Hrd ZFLTW. → W5RTQ/Earl "NG hr-QRN-local Thunderstorms, 9Z a new one #41C!! → K7IDX/Bruce; 20Q, 8Z, 7C w, ve, KL7, KH6, KV4, 9Z4, JA. Hrd VP9, XV5AC, DL2, YV5, PY1 vfr fr 7th dist. Condx "So-So". Hrd lots E Coast", → deW1BB: Unfortunately Condx poor but some gud 160 DX wkd → ZFLTW/Tom (Wb2JYM) WHIPPANY ARC NJ & Boys did VFB job under high QRN!! → W4BRB/Gene 9Y4GS/Tobago did "SUPER" Job against HEAVY odds!! Congrats you DXpeditioners!!
 ARRL/WW/160/TEST DEC 7/8/9/: → W3IN/Don Dx wkd KV4, LU5, PY1, DL2GG/YV5, G3, YV4, GW, KH6, XE2. "Condx poor 1st nite & second nite wiped out by Rain Statio. W1&W2 QSOing DX bt eudat hr it hr. 68ARRL S0

Wa4LDM/Jack "Caught Flu so only 13 hrs, 209Q, 57Mhz, 24,168Score. Wkd CW for #250!!
VOIKE/MIKE "My big moment was QSOing OH2BO!! My No.13G Also Q GW3UEB, GM4ASY, GM5BFO, OE5KE, DJ5BI
EI9J, PaOHIP, OKIATP. Using $\frac{1}{2}$ wve Inv L. Also gave DK3BJ his 1st ever 160 QSO!! OKIMCW/MARTIN "Hrd
many Ws bvt Q KIPBW only, Also - SHEERS!! - wkd 4X4NJ for #27G."CONGRATS!! 5 Continents Nw.
4X4NJ/Riki 30Q, 10G, 3Cont w/sloping Dipole % SWAN 160K - see transatlantic Sect - Special
1.0m. OKIATP/JARDY 28Dx Q, 14States, 756Pts ('72-156pts) FB!! W4PSF/LARRY's REAL HARD LUCK
400' tower came dwn 3 days B4 TEST in Ice storm!! Covered area 40ft radius but spared "DOG-HOUSE" &
equipment!! Tried 200' LW fm apt anyway, but NIL. Sez "What a difference an antenna makes!! SORRY!
W1HGT/RALPH: in hotel S.F. on Business-Rx only-Hrd G3ZEM/PaOHIP VFB!! W5RTQ/Earl, 50K, Nice
LU5HF1/FRED: Q KL7CL & KH6RS, then Jan 5 HK6BKK, really "Going to town" w/"New-Ones" -CONGRAT
PaOHIP-sw1/NL216 Hrd many many Ws plus KV4FZ.

GENERAL ITEMS GENERAL

"DX-WINDOW" CLEANERS!! THANKS A "MILLION"!! For your great help in various ways towards keeping
the "WINDOW" clear for DX!! Really appreciated by ALL 160 DXers!! W1EFN/Walt/OOT!! Suggesting
QSY out of Window before starting QSO! "UNKNOWN W8" on ssb who talked vly nicely with N8VLN about
the "Situation" Wa8IJI/Tom who engages QRMers in ssb talk & tries to explain/help/persuade -vly
friendly & Convincingly!! ----- MANY good fellows think the "DX-WINDOW" a most excellent idea.
However not too many put their shoulder to the wheel and actually do something about it to help
establish and maintain it. Starting '74 let's give credit to the boys who DO help, those we hear
about, or from - OK?? Good Idea?? Approve?? Let's all work together and it'll sure make it an awfu
lot better than if we dont!! To establish and Maintain this DX - WINDOW!!!

HAVE YOU NOTICED HOW ACCURATE Geo Jacob's (W3ASK) "Dial-A-Prop" and "Mail-A-Prop" propagation
predictions have been?? They're most helpful and accurate, also his general comments!! VFB/Geo OM
ANTENNA "SAFETY-LINKS" USED at W1BB's TOWER QTH have been "Worth their weight in Gold". This expose
QTH at the seashore gets the worst of all storms in ICE/WIND. Last ice Storm, 3/4" Ice Coating was
measured on two insulators!! LINK is 20ft of #18 soft stranded copper wire, from end of antenna leg
guy to support, ends of Inv Vee. When ANT gets heavily loaded with ice - and HOW it does!! This
soft link slowly stretches and then breaks due to ice load and wind, dropping the end to ground. I
when quite easy to put in another link and hoist the leg up again after the storm. This prevents
the tremendous ICE and WIND load on this over 500' span of wire, one leg 205', the other 305', Inv
Vee & Guys, from breaking the center support at top of tower, which would be all but impossible to
climb and replace IN THE WINTER!! "All-Told" these LINKS have protected this antenna 5 times by
breaking, 3 previous years, and this year twice already in heavy Ice/Wind storms. Only PROBLEM is
how to find and fix, before the vandalous kids in tower vicinity discover it laying on the ground,
& cut off the fallen leg and run away with it - as they once did - THEN, you have to measure and
re-dip for SWR 1/1 -- otherwise if kids dont get to it first all you have to do is to replace the
LINK, hoist it up and ZING!! you're on the air agn w/swr 1/1!! Has helped me a LOT!!

"MOONLIGHT and DX" --(Not ROSES!!)???? Generally speaking, W1BB thinks he has noticed that on
moonlight nights, DX on 160 is apt to be poorer, or "Nil". HAS anyone else also noticed this??
Any theory about it?? Could it be denser ionization by reflected light, similar to daytime
ionization and absorption, but weaker?? Some DX has been worked then - but it does seem to W1BB
that conditions are usually below the average of DARK nights. Hi!! Whadya think??

DIPOLES vs BEVERAGES G6CJ/"DUD" (69yrs young) w/new quiet QTH \$is doing vfb. Sez "Stew, your quest
abt Dipoles vs Beverages, BULL #1.73/74 P3 Item "Beverage Ant Phenomenon noted by W1BB", raised a
point of interest!! In WIRELESS PIONEER 1926 when I was boy, wrote article on propagation with wild
theory abt what happens in the ionosphere abt SR/SS. I believe at these times the ionosphere is
changing, it can produce the effect as if it sloped from lower (Day) height to the Higher (Night)
level and in this way produce a "Focusing" effect so that for a short while the waves come in from
a higher angle. During normal periods only, the long wire systems - beverages-can pull in the low
angle long distance stuff. When the effect is on at SR/SS the smaller aeriels, which always prefer
higher angles get a chance. This isnt only a TOP BAND effect. I have used LWs on HF bands all my
life and notice it there - definitely!! LWs go on working for long periods. But during the critical
sun rise/set periods the QUADS and YAGIS often do btr, but it doesnt last long. So "in the long run
I could go thru a contest and hold my own against the Quads and Yagis for long periods, but when
the peak came, they had the field for a while" MOST INTERESTING DUD om and thanks so much.

(W1BB's theory is along these lines somewhat, briefly believing that when the F1 combines with the
F2 layer to form one F layer at sunrise/sunset, and the D layer disappears, that there is in fact
a sloping ionosphere between the changing layers, and that 160 signals hit this at a shallow angle
giving an equally shallow reflected angle, thus covering great distances at one skip, saving 6DB,
as Geo Jacobs says is lost every time signal reflected from earth. More later. 13 de Steen W1BB

JUN 9 - 1974

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop - 02152 - Mass!

PYL ROLF/wz
Rolf
om

See Underlines
Here T12
B.C.N.H sat 2:15pm
Happy Wzins
73

Your sig rent
Powerful this morn
when u wkd
PA&HIP!

MAY 31 1974

W1BB --- 160 METER DX BULLETIN --- W1BB

1973/1974 No. 2

de W1BB/Stew ----- "HOPE springs eternal in the human breast", and so it is we've been patiently waiting and hoping 160 would "Pick-Up", QRN cease, and give us some 'Super' Condx!! While a LOT of Dx has been worked, the general consensus is that it is below last years, lets say 10 to 20% (or more??), and some, like VK6/swl/Allen, and others are wondering if 'sunspots' can get too low for good 160 DX! It may be! What do YOU think?? ~~NEVERTHELESS~~, it's been a good season (September 1, to August 31), and 160 hasnt been down all the time by any means! Lots of excitement and "New-Ones"!! ~~ROLF~~ ROLF/PYLRO wkd 4 of 'em in April - 4S7GV, GC5BGV, VP2EEC and VP8NP Antarctic Rolf celebrates each new C, and!! each new QSL for same rec'd, by siting on his porch (w/xyl Kittl) downing a bottle of Champagne - my!! how the spirits have flowed!! ~~G3XAP~~ G3XAP/Phil (Ant Expert!), wkd W/Ve, KV4, PY1, ZP9, EL2, EP2 and Hrd in VK6, w/9 WATTS!!!!, Likewise W9PNE/Brice w/7watts, wkd 49S, 7C, 3Cont inc LU5HF1!! ~~W5RTQ~~ W5RTQ/Earl/Texas made "First-Ever" W5 "160WAC"!! ~~A LOT~~ A LOT of vrb DXpeditions too: PA/HIP/Willen-GC5EGV. W2QD/John-4ULITU. W4SSM/Terry-VP2EEA. K2FJ/Ken-VP2EEC, PJ8DX W2DEO/Jim-VP2LBJ & VP2D/W2DEO. W4BRB/Gene-ZP1GS/VP7, 9Z4GS, VP5GS, ZF1AL!!!. W9UCW/Barry & W9YYG/Moose-HK/BKX. Wb2NYM/Tom-ZF1TW. W4GSM/Terry-VP2MAH. W5MYA/Mike-VP2M. HB9NL/Frank-HB9NL. The advent of the DRAKE T4X, & Yaseau FT101B, made this VFB excitement possible & in spite of sun "Lousy" condx they accomplished a LOT!! "Saludos" to these intrepid men!! May there be more of them in 74/75!!! ~~K1PBW~~ K1PBW/Ernie's "Round Trip USA/160 MOBILE" in his Mercedes, visiting many leading 160 DXers, and eve wkd DX/Mobile enroute, was GREAT!! Ernie should know now, what the "Big-Guns" use, how much, and how they do it. G3AAQ/Jake. (Recent USA visitor) is G/Mobile/160 w/FB set-up & trying to "Cross" soon-look fr him!! ~~We're~~ We're looking forward to the PYLRO/BI9J TRANsequatorials this June, to produce "Thrills & Spills" every day 0030z on. ~~AS USUAL~~ AS USUAL, several times when condx HAVE bn gud, there's ~~bn no one on~~ bn no one on to take advantage. ALL DXers shud check band more often!! ~~ALSO~~ ALSO, we need more 160 men active, in more countries!! ~~WHAT~~ WHAT about the future?? We'll just have to "Play it by Ear", as hope for the best. MY guess is that 74/75 will be about the same as 73/74, maybe a bit better. Actually 73/74, hasnt bn too bad for W1BB who wkd 450 & 136 different stns/DX, Vs 45C and 140 Stns 72/73. (32C & 102 in 71/72). (That is to date fm last Sept 1 in each case,) ~~ANTENNA~~ ANTENNA development & test continues. Verts w/Radials taking it for transmitting, and LWs, particularly BEVERAGES for receiving. (On 80, and 40 the contest winners are mostly using beverages!!) (Think they mostly got th from whats recently bn done on 160!!). W1BB built/tested Inverted "L", Per G3XAP and has had excellent results. Some fair receiving work has even been done with UNDERGROUND antenna (Rx) on 160 - more on this later maybe. ~~MORE~~ MORE 160 abbreviations for you: SR-'Sunrise', SS-'Sunset' - S-'States', M-'Multiplier' as in a contest, - plus C-Country, ies, Q-QSO/s etc. ~~DX WINDOW~~ "DX WINDOW" still working out 'pretty good', sure better than no WINDOW at all!!! Right????!!!

NOW's the season for ANTENNA WORK!! HAPPY SUMMER to 'yall, and b.c.n.u. 74/75

de Stew/W1BB ----- and Marguerite sez "Hi" !!

Stew

FINAL '73/'74 TRANS-ATLANTIC DX TEST No. 4 was very successful w/gud Cndx. Skip opened road good fr 0200 peaking vfb 0700-35, allowing two "First-Timers", G3RRS & G3SVL to make it across!! Cheers & CONGRATS!! Otrs QSO'd by W1BB/1 & #/Ve boys were Gs:3RBP, LIQ, #YI-DLFF-GD4BEG-PA#HIP-HBGC# E19J Q# CB-DK3BI-G6GJ. Moonlight @ #/Ve apparently no detriment! "TESTS" like this encourages us to continue them, even tho not as necessary as before increase in activity & availability of good equipment, ants, Etc. They perform a worthwhile incentive, and USE for quite a few - especially NE-160 Hams. "FIRST-TIMERS" G3SVL/Chris sez "How thrilled I was to get across for the First Time!! Bn licensed 10 yrs, tried every winter except 3 - problem QTH/Ant - Nv hv G3XAP Inv I w/ good radio system, only finished evening before test - I was AMAZED to wk BB & 15 min later W1PL!! Also got a QRZ fm EP2BQ!! Otr stns hrd hr - #A8LJI, #W8APH, #2DEO, #4BRB and #9TNO!! # (TESTS) #1 B continued!

4X45J LOG of ARRL/160 TEST wkd G3XVY, ZEM, YUV-G4BEG, BJW-GD4BAD-OKIATP, #XD, #CG, #FCW-OK2PM, #EY, #BKR/P, #BO #EJ, #PDN, #BKF-OLLAPI, #6AQV-PA#HIP-OE5KE, #ANL-DJ5BL-DK6QI/P-PY1RO-W1BB/1. Sez any future 160 operation #1 B announced by Geoff Watts DX NEWS SERVICE. CONGRATULATIONS, MIKI, vfb!! Please DO come on again!

DXPEDITION to ANGUILLA/VP2EEG by Ken/K2FJ big success 30Mar-Apr7 spite of hvy QRN. QSO'd PY1RO, KV4Y, YV4GP, VP2EEA, TI2CF, #D, #BY and 50 #/Ves w/Inv V apex 35' ar water at Randall's Maunday's BEACH. Then sent to PJ8DX/Eustatius!! VFB indeed Ken O'. Keep up the good work!! Where NEXT???

AULITU DXPEDITION by JOHN/W2QD was on 160 FEB18-MAR11 w/large number EUs QSO'd. 15 QSOs outside of Eu were made. Assisted by VE7BS and an OH Ham. Regular equipment supplemented by current "State of the Art" TRANSCIVED loaned by #2DEO. Power limited to 10w. VFB John and hope you can make it again!

#4HYI/Baker COMPLETES RADIALS Nw has one every 8 degrees, 45 total, 20° to 130° long, under 75' tower w/ 3el bm & OMEGA match. Sez "I'm planning NEVER to move agn!! (Amen!!) Ham Radio & HF Communicatio started on or about 160, and the one spct least understood by professionals, is still 160 and thereabouts" - Vy enthused abt 160 since '60 when was new Ham & #1 B active as job permits! GREAT!!

NE. DISTRICT APPEARS - VO2AB/VK2AB-GOOSE BAY, L. BRADOR!! Ex VE1ASJ/Andy after QRT 1 yr resumes fr this new QTH - until '76 - sez "Hope keep VO2/Zone2 active/"Top-Band" = FINE!! So far as we know he is 1st 160/ever fm VO2. #1 use 'Commemorative' prefix 1 yr - Crds being printed. T4X, R4A, Inv V -VFB

"#1 UDOS" to GENE/W4BRB!! #5JVF/Dave sez "W4BRB shud get BIG applause fm 160 gang for efforts in placing different spots (Seep 1) in 160 LOGS of many! Nice to see someone who in this day and age is willing to give something to the hobby, instead of just taking fm it" RIGHT!! VFB Gene - Tax Mcd

INTERESTING ANTENNA COL. ENTS de G3RBP/Roger sez #1 B at U of ESSEX until JUN'75. Hv 1/2wve Inv V & 600' LW both at 150° -- INTRIGUED to note tt both ants EQUAL sun days, whereas at otr times, one or otr is better! Last wk the Inv V was 1 point UP on the LW - this wk, reverse is true - I take this to mean tt vert polarized waves sumtimes propagated btr, and sumtimes Horizontally polarized better. Or that the optimum radiation angle varies fm time to time. I observe same effect on USA sigs - tt sun stns R favored ovr otrs in same general area - yet on otr occasions, the position is reversed!! (Who'll comment on this further?? Believe many hv noticed same effect - BB has!!)

'74/'75 EUROPEAN JA & VK TESTS SUGGESTED by OK1MGM who would like to get sum of these started, one or two months/yr like Trans-EQUATORIALS. Du 1820-35, VK 1800-10, JA 1910. Those interested, please write Martin Kumpost, Nerndova 934, Hradec Kralove I, 500-02, Czechoslovakia. OK?? Sounds interest

VE5XU/GORDY sez "DX this season "Dull", considerably below last 3 seasons. E/W esp' poor. DHJ poor. E Coast way down. No Pacific DX except KH6. Where 'O where did the VK/ZLs go???:? that I worked almost daily May-Sep '72 ?? S.A. Btr tho w/ KV4, ZP9, LU5, PY1, VP8 etc. ANYHOW, we'll still "KEEP THE FAITH" fr gud ole 160. I blame the frequent geomagnetic activity, confirmed by #WV, with which we get clobbered at these high latitudes, for nullifying the low sunspot cycle #F/LF benefit also hv continuous high pwr line noise which takes sum of the fun away, and am vy close to the Geomagnetic N Pole at Resolute Bay 74N/101W, which is always most affected by magnetic storms!!

DXPEDITION VP2EEA/Torry (#AGSN & Ex VP2MAR) Mar27-Apr5 spite poor condx at start, did marvelous Jot w/Inv V 50° apex, 30° ends @ "Beautiful spot by Sea" - first nite on 160 they cut power in middle of QSO, didnt put back on for 2 nites!! QSO'd 2/1s, 9/2s, 3/3s, 4/4s, 4/8s, 1/1, 2/Vels-PY1RO-VP2EEA!!

JERSEY DXPEDITION GC5BGV/Willem (#A#HIP) ~~Mar27-Apr5~~ Apr 8-14 EXCELLENT spite poorest '73/'74 Cond. - sez exception TERRIFIC, EXTRAORDINARY, ASTONISHING!! Never B4 hrd such loud 160 DX sigs!! BUT!! only wkd #1 B stns. W1BB/1, HT-2DEO, UEZ-W8APH-PY1RO-VILKE, most 599 or btr!! Reason, for such good receptio might B the HIGH inv V ovr salt water. hrd HC1AG but nil. LACK of activity a big problem. Could hv wkd many more. Was on every nite. Became boring/No Replies!! Could hr #s ragchewing LF, NOT listen in DX WINDCW!! Jersey a WONDERFUL island!! -- CONGRATS Willem - GREAT!! Well Done!! Sez, "Hoping for another DXpedition next year -- HB6, ZB2, OE, OH6, OJ/1 (Market Reef). We ALL hope so too Willem!!

VE1MK/Harley - VE1MK/Harley sez "160 noisier, not so productive, DX openings fewer & less RARE stns on. Best openings NOV 17, Dec 31, Feb 10, Mar 2. Added 9 new G -CO, HK6, GD4, VP5 KP4, GC3, JUI, ZF1, VP2 - Heard two outstanding QSOs, PY1RO w/JALMGU/Jan5 & 497UV/Apr3. Hrd EP2BQ. Also hr KH6 wll bt cant get thru to 'em - Kv R4G & Noise Blanker/WONDERFUL/eap on LORAN -Great Rx!!

RECORDS CLAIMED BY KV4FZ/Herb: Longest 160 QSO w/VK6HD '71, 18,400km (11,450 Miles), just "Ing-Out" JALMGU at 18,000km w/VP8KF. "First-EVER" SSB 1.8mc "WAC" July-Oct '72 w/ EP2BQ, GM3TCR PY1DVG, W5RTQ, KH6RS, EL2CB. (Anyone dispute these??) CONGRATS Herb on.

W5KFO/Earl - WORKED 5 CONTINENTS ALL IN ONE NIGHT! Found up w/W46C VP2EBC in April after an excellent season. Wkd 5 Cont ONE night, needed only AFRICA for WAC. Big thrill wkg Jas fa W5. Now "Hear this", by E.P. ESSERY in SWM "The chap who deserves most CONGRATS is W5RTQ, as a glimpse of GREAT CIRCLE map easily shows. For most of his DX he has a long way to go before there is any sea water under the pads" -- Yep that's right!! Nice work Earl OM!!

W1BB HONORED and PLEASSED to hv OH3NY/Matti, (w/friend K1DCB/Matti(Also)) Radio Op MS "FIN-AMER" visit hr in OCT. OH3NY/W1BB renewed experiences of 160 skeds and "First-Ever" OH/W 160 QSO in Jan '51!! ALSO to hv PY1RO/Rolf visit quite few weekends this spring and renew talk abt our "First-Ever", PY/W 160 QSO Mar '63, visit many HAMS hr together, help Rolf get on the air as PY1RO/W1, etc etc, while he was studying with DIGITAL COMPUTER/Maynard/Mass ---- Also HB9AJU/Gerry who w/HB9CH/Philo made "First-Ever" 4ULITU/160 in '65 --- Also W49EYY/Greg. Visits included "Eyeballs", Visiting other 160 Hams, electronic 'Junkyards', W1BB's "TOWER" set-up. IT's wonderful to finally meet in person, friends heretofore known only "Over-the-Air" !! Thanks a 'Million' for coming fellers!!

SHORT ITEMS!! ANOTHER PIRATE/JOKER VE7UZ Dec23 0300 wkd G3YUV/589!! Suspected phoney. Checked w/ G3YUV/G who confirmed HE wasnt on band then. (This guy also Q/W5KL) WHAT PRICE FUN?? BLAH!!

W4BSB/Hugh (Ex 3FX/'24 & W3BSB) 68 yrs young, active on 160 - doing FB. W1BB/W3BSB QSO'd '32!! Long life and MANY QSOs Hugh!! NEW STATION DK3BJ/Willi REPORTS w/R4C & 250Hz filter, T4XC & IgV V - on since Oct14. Q: VO, KV4, VK6, PY1, KP2, YV5, KP4 & many otrs. Needs AFRICA fr WAC!! WELCOME !! Willi c - keep up the good wk - you hv vfb sig USA!! W5SUS/John wkd G3ZEM, SZA-DL1FF-OKIATP, PCW, KRS-VP8KF-LUSHFI-ZP9AY-Etc fa ARK!!!! CONGRATS!! (Son ran Boston's April 27 MANATHORS-26 miles!!)

W2ECS/Chas's NEW CALL IS W9WFC but we're all sorry to hv to see call W2EQS go!!! One of the most familiar calls on 160 - or any other band!! GL Chas!! VOLKE/MIKE's QSO with G2RO, was RO's 1st on 160 in 30 yrs!! (Mike helps a LOT of 'First-Timers' get 'Across'!!!) Also gave GC5BGV (Pa) his 1st, & OL6AQ too!!! Likes his new LW/Eu ant - nw making one fr southern DX!! Worked 4ULITU/84 fr G # 16!! Sez "4ULITU shud hv GOOD permanent ant fr 160!!" W2OHR/Howie bk on 160 "Now and Then"

Has "Gawdawfull" NOISE @ QTH all time/cant hr too much! Did wk VP5, KV4. (Incidentally, Howie made 1st ever 80m DXCC w/35w & LW Yrs ago @ a real LF DX pioneer!! Had more DX AWARD CERTIFICATES etc than any other Ham - until they all burned up in vy disastrous fire 10 yrs ago!! Now RETIRED, hunting, fishing, gardening, plants, hamming!! "Saludos" Howie on. G3ZEM/Bob moved QTH - had to QRT/QRL, but mostly NO ANT SPACE fr (Sri) - sez "HI" to gang!! K5JVF/Dave sez "Season mostly "FLOP" for me - but sum SA sigs "Super" - LU5, YV5, PY1-big thrill KL7QKY/QSO!! 'Most prized possession' is SWL ord fa Rolf/PY1RO in 1964!! - Re Antennas hv concluded, under low sunspot & one hop condx, Vert to vert, or hor to hor is much much btr than cross polarization. On MULTIPLE hop (DX), it doesnt make much difference - this fr many tests hr" Tnx vfb!!

W4GXE/Gary got his 4W1AE QSL!! This '73/74 wkd HB6, VP9, GW3, KP4, PY1, G3 and!!!! rec'd SdL rpt fr USSR, Murmansk, UA1.143.133 - his sigs 559 Jul '73 @ 0400. Sez "Guess one doesnt know WHO might be listening anytime!! VFB CONGRATS!! W2BP/A1 (FADT, FMADT, FGADT), was just named "OUTSTANDING AMATEUR OF THE YEARS" by his radio club, based on the International aspects of the '72 DXpedition & work on 160!! Great!! CONGRATS!! GM3YAA/Jim, not too active but snagged 5Z4KL, EP2, 4W1, VOLKE at 1914s, 4PM, B4 VO/sunset!! Still thrilled by the MARCONI KEMP experiments near him in 1896!! W4BRE/Gene got "WAS", also 4ULITU and nw vy close to 70C!!! G/swl/Nora Smith: Feb hrd W1BB, KCT, PL-KLPBW/1-KLPBW-W2LWI/599, UEZ, DEO-W3IN, VT, BUR-K4CIA-W4KX, YXK, BRB-W4SCW-W4JFK-W5RTQ-K5PFL-W45ZY-W4GAFH-W4SLJI-VO-VX1KE-VE1CD. Had experimental license 1922 - did lots BC stn swl/ing, KDMA, WGY, etc w/m brew rx - always specialized SWling. Unfortunatly Nora has just had slight 'Stroke'-App-affects driving but NOT swling-Best wishes fr gang fr 100% recovery Nora on W3AU (W3IN/Don) ARRL SSB TEST QSO'd YV4, KP4, VP9, G, Pa, HB9, KH6. QNW terrific!!

HA/swl/HA5/142-Janes vy active. Jan logged many many EUs plus W1BB, VE1AVQ, W4JFK. NOTE!!! QSL MANAGER FOR T12W, as of Jan '74 is W4LDW/Jack - all bands including 160!! G3VJ3/Dick getting on w/homebrew rig sez has noticed at SR/SS erratic twisting of polarization, particularly if you try to 'direction-find' sigs!! Tnx. DL1FF/ARMIE "Most enjoyable & suprising thing in '73/74 was wkg TEXAS, W5RTQ, 5 times & IA 4 times-my first 5s ever. G6Q8 says has bn on 160 40 yrs & he never had a 5 before! Bo W6s, one W9 & VE3 rare. My QTH 150 miles NE of DMW, 30 miles S of OZ/land! Tnx!!

ORPer WOPNE/BRICE w/5atts has 49S, 7C, 3Cont inc LUSHFI, KV4FZ, KH6IJ!! used only LW ant. "HOW!!!" On otr bands made WAS & WAC w/.5w & 32C!! CONGRATS!! KERRY COLLEGE AMATEUR & ELECTRONICS SOCIETY Celebrating "Tavistock Millennium" 974-1974 w/Commemorative GB3KCI and GB3JNY calls and vfb QSO's

WEST COAST --- TransPACIFIC --- FAR EAST

"SILENT KEY" 160 DXer W7JI/Gerry Apr 7, Riding bicycle, heart attack - reported by Son K7WQG/Dave who says "Dad was certainly enjoying 160 - had JUST completed his "WAS" - Gerry was a real "GREAT GUY" and will be missed greatly by us all -- Our sincere sympathy to all his family, from us all.

de... RTQ/Earl who has wkd JA7NI 3 times sez wkg on improving Rx Cndz, sig/Noise ratio etc so can hr & wk MORE JAs!! Except for LORAN & otr noise sigs vy good/consistent!! When I was KL7PRY & packing to leave, my last QSO was JA7NI Dec'67 - coincidence!! "GLAD JA boys so active -WHAT an enthusiastic group they are!!" -- Incidentally, Earl does NOT believe in "One-Way" skip. Sez it is merely difference in receiving condx tt makes it seem so. Good theory Earl - guess we'd better check this one out!!

"WILDERNESS" 160 DXer KL7GCH/KODIAK/CASEY (Ex W7ACB '26) Nw 20 mls fm Kodiak, in "Wilderness", 3 miles beyond end of last road-population 3 - no mail - transp via plane or boat - all power fm emergency gen 3 1/2 kw - trapped 80/160 dipole - T4X & R4A. PLENTY below zero Wx, snow, high winds. Sez KH6 harder to wk fm thr than JAs. DUL 'Boils in' now and then. Wkd 1 watt W7ZOI/549!! Otrs active/160 - KL7HAQ GKY, JDO, CL(Lvg nw), HWQ, HRK. "Seems like every otr QSO, I'm the FIRST KL7 they've ever wkd/Hrd!! Casey is 6 1/2 yrs young, a real "Rugged Individual" for sure!! QRV/QSX 1805. Tnx on VFB - CONGRATS.

"SOUTH PACIFIC" /mm 160 RECEIVING LOGS de W3JAK/mm (Via W3HUS) 12 to 34 S and 90 to 135W, Sep'73 to Jan 6 '74, 0300-0900z. Hrd W1EB, CER plus 1/3, 5/4s, 3/6s, 7/7s, 6/8s, 3/9s & VE5&7. Most rpts 559 or btr. Sez boys in antarctica, McMurdo KC4, experimenting w/VLF ants "Several miles long" - anyone want to try that on 160???? He personally hrd no 160, sigs IN Antarctica his last trip. Tnx!!! a Mc fr info

TRANSPACIFIC VOYAGE BS "KASHIMA-MARU" /JHRH-JA3SVG/mm Reports on ARRL/160/T Dec8/9'73 on voyage fm JA to VE7. Wkd:: W6HVN, NUT-Wa6PCB-KH6LJ, RS, CHC-KL7GL-VE7UZ-W7DOL/6. Hrd:: W2GG?-W3IGD & 2/4s, 8/5s, 16/6s, 20/7s, 2/8s, 4/9s-3/VE7, VE3BW-2/KL7-4/KH6. WHILE in VANCOUVER VE7HQ/Gordy visited JA3SVG on ship - "TOK" - most interesting ship tour/GREAT time together & then QSO'd several days after/160, when ship on Pacific agn. (This season GORDY Hrd HK6BXX, YV4AGP. Changed his ant in FEB and right away wkd his first 5 JAs in a row. JA2UEO, 3PHF, 7NI, ICGM, 5DOH btwn 1525-1555z w/75A3 & VALIANT -VFB!!

"SALUDOS" NEWCOMER K7LFY/Bob who since Jul'73 made 450Q, 44S, 11C & 42 DX QSOs inc VP8, VK3, JA, KH6, KL7, LU5, HK6, YV5, VP5. Sez "I hv enjoyed operating 160 VERY much. These QSOs represent over 1000 hours of pleasure, pain, frustration, ecstasy, sleeplessness, accomplishment & good FUN, not to mention PRACTICE" Wkd in Chyenne Wyo, w/100' wire strung INSIDE a 55' aluminum sided trailer. "Band sounds VFB, quiet & w/ARC5 hrd HK6, JA, VK6, ZE7. Wl B happy sked anyone who needs WYO!!" GREAT, Congrats, Tnx Bob/om

SHORT ITEMS ::::: JA7AD/"TOK" AWARDED "CUP" at the "First-Ever" 160 METER CONVENTION, May 25th, 1974 at NAGOYA !!!!! "For your most outstanding activities and accomplishments on 160" Award made by JA3AA/Shima. Full details later. FLASH!! JA1KHU/Jiro made 2nd JA/WAC ever QSOing VE1RO Jan5'74 his #15C-vfb!! JA1KHP/JUN wkd DULEJ, VS6GM, VE7UZ, KL7GL, KH6s, W6, 7s - vfb!! Congrats JA6ACZ/Waafumi, editor JIBAA BULLETIN (Japan Low Band Attack Ass'n) reports JAs very active on 160 and anxious to promote more 160 activity. (Understand over 1000 JAs now on 160!!) (de JA3AA).

K5CIT/KH6 now KH6ICJ/Joe, sez New QTH noisy & behind mountain-hvg troubles - ever 500' BEVERAGE doesnt help - wks W6, 7, JA, W4EX, W5RTQ, VE7UZ. (Sir on btr put ant top that Mt!!) K7IDX/Bruce "Not as much on this yr it seems - but new QTH fine-in CQ/160 wkd 14 of 15 C hrd plus W3GL for "WAS"!! vfb W6TYR/John wld like B more active but being Railroad Frt Conductor is away fm home too much - misses many "Goodies". Visited W7DOL/6 & had vfb "Eyeball". LORAN bad-gg try LOOP. (Hv patience John - seri abt the QRL!!) W7LHG/Bob sez no ZL, VK, or DHJ hrd this season altho DID last season. QSO'd '73/74 JA, LU5, KL7, KH6, VP1, KV4, YV1, ZF1 & hrd YV4AGP and HS4AGN!!!!

LOOKING SOUTH

A REAL TRAGEDY!!! LUSIFI/FRED LAUN our active 160 DXer & friend W9SZR. (Ex XV5AC, HS5ABD, HS3AL, HICKAL) Apr 12 was KIDNAPPED fm his house @ CORDOBA/Lu, shot in stomach, very seriously wounded, left on river bank to die, found, operated on, JUST making it. -- Was member U.S. Info Ser. His radio gear figured in the episode, being suspected probably of clandestine operations because of it by the kidnapping guerrillas group. Actually his Tx & Rx were taken away at time of Kidnapping. Fred is now recuperating at GROCAS HOSPITAL, BALBOA HEIGHTS, CANAL ZONE, and as soon as able will be back in USA for a while. Drop him a card!! We'll be missing that GRAND 160 sig for a while, but knowing Fred, "He'll be Back" - all sorry a 'Million', Fred OM - sympathy and best wishes to you from ALL the 160 gang!!

TRANSQUATORIAL TESTS are on again for '74, announces PY1RO/Rolf and EI9J/Paddy starting Junel, every day at 0030z, extending into July and beyond if condx permit. Eu Tx 1825-30 (DX WINDOW) S.A. 1800-08 ZS 1930-1935 W/VE 1800-1805 Other stns sl use one or the other segment depending on who they call. Keep QSOs short!! Experience has shown that N/S 160 condx peak this time. Rolf sez "Good" days do not occur in sequence and in order not to miss the "Fantastic" openings that do occur, one should check the band DAILY at 0000z and on. GOOD LUCK and "NEW ONES" to 'yall!!

ZETA/PETER RHODESIA getting active! 1512Z 74 hrd K6UA/339 giving him 229 QSLs thru ANPUL
thunderstorm. Allowed 10w, HW120z, Inv 54' apex - main interest wkg via OSCAR 6 & taking down AMEAT
data. Wrd AF,EU,ASIA,VR via satellite & Rec'd OSCAR 6 AWARD #97. CONGRATS!! NOW!! lets get on 160!!
CONGRATULATIONS PYIRO/ROLF!! wkg QP50-Glen/AS7GV for FIRST EVER CEYLON/SA Qso! Magnificent! Apr 7
IT goes another bottle of CHAMPAGNE!!

ANTARCTICA!! W3JAK/mm/"Flav" monitoring 160 often, recent trip ANTARCTICA, McMurdo QTH visited HAM
sta there, sez no 160 gear, and with total darkness never appearing there, he heard none. ~~W3JAK~~
Enroute from 53S-174E to 48S/111W hrd many W/VE/VKs too numerous to mention and list he sez. Further
Sigs hrd Feb 19 were Wa8IJI & VK3TB. W3HDS also hrd at 54S-117W. (See item under TransPACIFIC/SHORT
"FIRST-EVER" 160' QSO WITH SOUTH AMERICA, per QST July '24, quote"... 3BWJ on 120 meters was first
W to QSO SA May 30 '24 wkd CBS, who also was first SA stn to QSO W. BOY!!! (Tx info de W5NW)

SHORT ITEMS ::::: HEGGS/Gene (W4BRB) hopefully w/ B on fr CQ/AB CW Test in Nov!! GREAT!! HEGGS
AS7GV/CEYLON/GLENN ON 160!! Daily 2330-0130, 1800k. Here's REAL Indian Ocean DX. Was in CQ/160 Tex
wkd JA, EP2, G, GM & PYIRO & otrs. VFB Glenn/om! b.c.n.u. VP8NP ANTARCTICA has bn wkd by PYIRO!!!

WAY DOWN UNDER

THE "FIRST-EVER" W/ZL 160 QSO (And this sure IS first!!) per W5NW/"Soupy", who quotes Nov'24 QST ---
"6BCP & 6CGW shatter all DX records wkg ZAAA ---- Another continent added to far distant places
linked to AMATEUR signals and the American end of the worlds record for amateurs for two way Amateur
communication, was brought back to USA when two IA Hams Sept 21 '24, communicated w/Frank Bell, 4AA at
Waihero, Palmerston, South NZ. We make that distance 6900 Miles Two way contact lasted fr 1220 to abt
1404 AM PST. This work was not done on short waves. 4AA was on 130 Meters, 6BCP on 157 and 6CGW on
150, which to our mind makes the work most remarkable!!" (Unquote fr QST) "Soupy", W5NW himself QSO'd
4AA in Oct '24 - then met & visited him in 1970. 4AA still has call, but no interest in HAM RADIO now

SHORT ITEMS ::::: VK6HD/"Mick" continued VFB Dx spite of "Much Poorer Condx" this season, wkg
DX, DU, EI, G, GM, HB, HS, JA, KH, OK, WI, 4, 5, 6, 7, 8, 9, 0, & VE7!! Sez IV5AC qrt-XURAA on soon-DULEJ QRV. Tx!!
W1BB AMAZED & PLEASED!! to hv QSO w/VK3CZ/Art/559max, and get sig rpt of 599 at 1112a!! (469 at
1050 & 579 at 1153) - shows how "Peaking" works - Tx a No ART OM. ZLJAH/John in ARRL/160 test
w/7 hrd K5JVF, tfg-Wa5RTG-ZFLAL-PJ9JT-LU5HF!! Nice. WI B in USA this summer visiting old friend
W9... whom he 160/QSO'd in Feb. Hopes pick up 160 Tx. WELCOME John & LUCK!! VK3ABR/Dave, not too
160/active-QRL/wk - but Q'd JA1HKP, 2GQC, 7NI, 7AO, 2PGR and KH6CHC - bt no Ws - this season quite poor.
VK3CZ/ART CONTINUES "MOST ACTIVE" VK - His logs fr Jan16-May16 rec'd ON EVERY DAY, logging
DX/WNU/KPH/DHJ - outstanding perseverance!! WED W1BB/1, HGT, Wa8IJI, G3RBP/A, (4times), ZYY, SZA & G6GJ!!
HRD #a-3BJZ, 7QID, SFA-BANO-OKIATP, KPU, AOH, 2PAY, 3RLJ/P, 5VCS-0E5KL, KE-ES6DY-KV4PZ-Q3LIQ, RVN, 6NW.
Art has an excellent knowledge of the 160 DX paths!! CONGRATS!! Art just got up a new VERT G.P. - is
"comparable" with present L.W. on DHJ but is nw working on RADIALS - full reports later!! VFB!!

MISCELLANEOUS -- ITEMS -- MISCELLANEOUS

CHEERS!!! de W1BB --THINK I hv nw found way to get 250 fairly good, dark, clean/cut, readable copies of
each BULLETIN off my 'lil 'ole "DITTO" machine!! It's been a long struggle. Could get 100 or so
good sheets, but for 250, they ALL had to be pale. Sorry for all the eyestrain caused!! But SIMPLE!!
when you know how!! You put TWO MASTERS in typewriter at one typing. Then you get 125 real GOOD
copies from each master!! A Mr. Braveman -(should be Mr GOODMAN!!)- of the BPU stationery Co. --
(Business Products Unlimited - new supplier for me)-- gave me this TIP!! - After my questioning
everyone, and trying everything -(And I mean EVERYTHING!!) else, for 10 yrs or more!! LUCK!! runnin
across Mr. Braveman--patience and perseverance-- Pays!! HAPPY READING now!!

CLARIFICATION W1BB Vs W1BB/1. When you hear W1BB/1, (Slant/one), it is at the seashore "TOWER" with
Inv V, apex 265' above salt water ground plane. --- When you hear W1BB only, it is at my home QTH in
a highly residential/noisy area w/much poorer antenna-a dipole @ 40', or Inv "L", top at 50' OK???

WISH YOU COULD ALL SEE THE MANY VFB LOGS THAT COME MY WAY!!! FOR VARIOUS OPERATIONS FROM MANY GOOD
FELLOWS!! It hurts not to have space to publish them herein, some are so OUTSTANDING!! However,
there just isnt room - BULL limited to 6 pages becus of airmail postage etc. SOOOOOO the IMPORTANT
HIGHLIGHTS are extracted and USED. The rest, is read avidly & carefully by W1BB - sometimes drooling
at with much pleasure. Up to you boys, how much you want to send - enjoy it all myself immensely -
pass SOME logs around - but can only USE important HIGHLIGHTS. SOOOOOO send ALL, or HIGHLIGHTS only

"DX-WINDOW" HELPERS:: Tx a lot!!! To W1SG/Cliffe Feb16th contacting two powerful AM boys on 1824,
aplattering whole window, blotting out MUCHOS DX-explaining nicely to them - they QSY'd. And all
others who are doing a good job helping to keep the DX-WINDOW clear, with persuasive/friendly effort
"FOOD FOR THOUGHT"!! de BILL PFAFF/K2GNC sez: "Does anyone know anything abt scheme I played with

until I got too QRL to continue?? Cutting down or eliminating QRM by hvg 2 revr front ends. ONE tuned to signal and QRM say on 1802kc - OTHER, off signal, say 1796kc. Both ends revg identical QRM becuiz its broad band. Feed sigs fm both to common Detector, but 180 degrees out of phase - thus QRM cancels itself out - sig ows thru!! Old Ant book shows similar idea but fm 2 ants, one-noise-out, & signal ant. Mostly used for per line noise tho" -- Any dope/ideas on this gang?? Write Bill!!

ANTENNA COMMENTS de G3LIQ/Dennis sez "Aft 17 yrs testing diff ants - 60 in all & sum 20 odd masts 50 to 80' high, sum marshy grd, sum ovr water, vert, horis, V beams etc, my CONCLUSIONS!! --For DX a vert ant suitably designed will outperform Hor or V Inv!! (Hv just finished 7 yrs testing of a special vert/highly successful on DX - a 4ft base loaded whip fed w/coax, mounted atop 60' grounded metal pole. Max current high above actual grd relieving necessity of super earth system, equivalent to vert dipole, which lowers angle of radiation. With it you(W1BB) always give me poorer rpt than w/ Inv V at 85° - BUT!! I can work MORE DX with it - DX results EXCELLENT!!) IT is v noise on receipt tho. For receiving, a dipole or Inv V marvelous! Beverages too! tried many receiving ants also, even laid 500' wire along ground - greatest diff between rec ants is ant they can reject & diminish QRM noise. This yr, with me been quite good one for DX" -- Tnx a Mo Dennis OG - any comments gang??

ALONG THESE LINES LET W1BB SAY SOMETHING!! Agree that VERTICAL with good ground plane IS the BEST transmitting antenna!! (If with good ground system/radials/water etc.) Believe IDEAL set-up for an AVID 160er is TWO transmitting antennas, a VERT and also a dipole (Can be any variety dipole -bes possible your QTH) PLUS several receiving antennas, and able to switch from one to the other quickly by "Push-Button" control. Should have ability first to put transmitting antennas onto receiver first then ability to select say, a BEVERAGE or two, a LOOP, a long wire near the ground, any piece of wire or special antenna. It has been found that unexplainably one time a certain ant will receive better than another, and at another time the same is reversed, you can never tell which will work best. THUS if you have several antennas you can cover all bases!!! W1BB does this much as possible always. OK??

"HOW HEAR THIS" YE 'BEVERAGE' USERS!!! (From OTC "Spark Gap Times" VOL II No.2 Feb'74 reference Naval Radio NED Otter Cliffs, Bar Harbor, Maine 1919 era) ---"Our BEVERAGE receiving antenna was 13 miles long, center tapped at the 200' tower, one leg going 6 1/2 miles towards Bar Harbor, the other leg sagging over Otter Creek 60 couple pine trees - then headed towards Winter Harbor. A GREAT!! receiving site! Only time we had 'Static' was when Deer or Rabbit would chew the rubber covered wire on poles when snow reached so high it reached the sag in these lines. When this would happen, my 'rube-Goldberg' DPDT sw normally feeding the two wires to receiving station, was quickly thrown to 220v for few moments, clearing the 'Static' at once!! Needless to say, we had rabbit stew every night during the winter!! (BOY!!! How'dja like to try that one on 160??!!!!!!)

LOOP TESTS de W4FL/JIM Sez "Working Japan was made possible by LOOP & Noise Blanker to reduce 1900 kc LORAN. Made WAC w/JALMCU. On LOOP he 569. On Inv L 449. Also JALCME, 2GQO, 7NI on LOOP 449 but on Inv 'L' COULD NOT HEAR!! vfb/Tnx Jim & CONGRATS 50C now w/ HCLXG!! Keep up the excellent work!!

LORAN A - FLASH!!! FLASH!!! FLASH!!! FLASH!!! Word is just out by letter fm OTF Director Whitehead, K4BCD, informing FCC that because LORAN A is so much less accurate than LORAN 'C' or OMEGA that it is to be phased out with termination Jul 1 1980. Dr Whitehead also recommended that the 160 meter band be restored FULLY to Amateur Service. Acceptance of this recommendation has not been made yet by FCC, but is fully expected. JUST what we've been waiting for - eh what??!(Tnx W1LQV But 1980 a long time to wait!! Especially for W1BB/1904-Ham since 1912!! Think I'll make it???????)

LATEST ON "WAC" IS ISSUED de W4FL/1,ARRL - Jan'73/OIAOE-MARCH/W4BRB, K4BHG-APR/W4QCN, W4JFK, K2GNC, W2BP, K4CIA, W2QD-JUNE/W4SLJI-SEP/VK3CZ-OCT/W5RTQ, W4EX-DPC/W2LWI, ----JAN'74/W3IN-FEB/VE7UZ, JA7AO, JALMCU, JALMCU. Tnx Morgan OM -- anyone who has wkd and rec'd necessary cards should contact Morgan at ARRL.

"THE CRIBURBAN MOBILERS" composed of all known 160 mtr stns in Chicago area, Organized 20yrs ago, is focal point ALL 160 activity thereabouts. Originally mostly mobileers. Today most mobiles hv vanished along w/transmitter hunts, p1M etc. But air thereabouts is full of 160 QSOs, NET times esp TUES SPN & SUN 11AM always hv big turnout, sez BARRY W9UCM one of directors, join us whenever U can!! Their DIRECTORY available for \$1.00 w/all 160/79 calls plus many other 160ers active otr districts!! Nice!

GO/W4/160/TEST Jan 25, 6, 7. This BULL makes no attempt 'compete' w/W2EQS's VFB rpts yearly - merely to pass along few interesting points. HAVE enough Data/Material/Logs to fill a whole page the boys sent in. HOWEVER as you can see an running out of space here - so will thank all those who sent in reports/material and say SORRY cant use much of it. (Like I said above page 5 re logs). Briefly TEST started with poor condx, which improved somewhat allowing many Eu/W/SA QSOs. To the West nothing special KHe came thru and VK6HO/VK5KO weakly - that's all. BUT a lot of fun was had and some good scores!! Tnx FOR REPORTS VP5GS-W1PL-G/swl/Nora Smith-JALMCU/J1ro-DL1FF-W9SFR-OE1KU-W4ALD-LU5WFI-W1GHAT-VS6GN!!!! There's a GOOD ONE!!-EP2BQ-W3IN-W5RTQ-OK1ATP-W9PNE-OK1MCM-PA/swl/Dick-GW3UCB-VE7HQ - SORRY cant use all info!!

SOOOOOOOOOO fellers - HAPPY DAYS on 160 and b.c.n.u. '74/'79
de Steve/W1BB

F12 R0
Rolf

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop - 02152 Mass.

Here
Boy!!
Signals
59+xxxx9!!
Some days
Pound in
Here!!
Enjoyed going over
log photo that you sent
Happy Rolf 74/75 season
It is starting out good
New WKD 21C +33Q's
73!
15C/23Q

10.28.79

095 20 1974

W1BB --- 160 METER DX BULLETIN --- W1BB

1974/1975 No. 1

de W1BB/Stew ----- Isn't it GOOD!! to have the days getting shorter/nights longer, cooler, fewer lightning storms/rain/static - less QRM!! Dx prospects brighter!! "CAUTIOUS OPTIMISM" is the word for the 74/75 season. First indications are, it may be a real DANDY!! W6DAO/Keith reports hearing DL1FF in SLP -- K5JVF had G6BQ 0545/CQing & wrd KH6CHC. BOTH say "Cndx werent nearly so favorable this early last season! SOOOoo... lets HOPE this winter, at the bottom of the sunspot cycle, really come up!! --- Possibility/wise, there's lots "Cookin". Expected are: W4ICW, 4S7CV, VP8NF, CP1KJ, TX12CF, Z87JK, 8S1MH, JY9FOC, ZB2CJ, HC8C1, OH1SJ, 9L1JT, A2CJP, EP2BQ, G08HT, ZD7PS, SE2AY, ZD3X, K04NI, FZ1BC, ZD9GD, 6Y5BF, OJ6, OH, Z86, KL7GCH, KH6CHC, 5W1AL, ZM7AH. VKs; 3CZ, OP, AKN, AFE, 58C - ZLs 1HY, NQ, VS6DO, XUL, NU6EJ, KZ5AA, PLUS all the "Regulars", and many otrs!! --- Additionally, the "TESTS" are shaping well to cover 160 'better'n-ever'. First off is CQ/WV/PHONE Oct 26/27!! --- The 42nd Annual 160 TransATLANTIC Dx Tests, this year, dedicated 100% to "FIRST/TIMERS", Nov17, Dec22, Jan12, Feb9 (Herein) --- Also 8th Annual TransPACIFIC tests. (Herein) --- CQ/AB/CW Nov 23/24 --- Then, the "BIG-DINGE", the CQ/160/CW/WV Test Jan 25/26. --- And others. LOTS of 160 operating activities!! --- Regarding the past SUMMER - it wasnt too good. VE1MX, DL1FF, PY1RO, W9MFC/W2EQS, EI9J, W1BB & Otrs agree, it's Bn very NOISY one. Even so, for the "Rugged-Individuals" who could "take-it", there's Bn sum DX. TWO new ones for W1BB - 118 now with YS. "Come Hell or High Water", 160 is always intriguing, a real challenge and FUN!! Isn't it???? --- DXpeditioners were ACTIVE!! W2INO Jim's to C.A., BR particularly, gave out some "How ones", likewise Jim's to KP/JD, most excellent! --- K5QHS/San, put FM, FG, AYZ/PHEN, /VP2D "On" w/god results Jan high QRM. --- W5QPX/GAL's bit VP1, 10Q & fm YSI QSO'd W1BB/1, W8SAPH & aple otrs, YS being a "FIRST/LYER" from all standpoints!! --- Saludos to KH6CHC/Jack who wanted to put KINGMAN's REEF on 160 - but it just didnt work out - Tax anyway!! --- BULLETIN "POLICY". Is issued FALL, WINTER, SPRING. Gratias to active W/VE DXers who keep supply of S.A.S.Es at W1BB, and DX who send envelopes & IBCs --- Reference DX WINDOW, keeping "Fingers Crossed", cant help but enthuse at how well it is working - of course it isnt perfect - is anything!! - But IT's good!! Let's CONTINUE deal to SMIL this idea, nicely, friendly like, cooperative, etc., with the gang - to insure keeping it in good shape!! WORK on our parts will do the job - as it already has!! BUT we cant slack off on it!! --- Most agree the TransEQUATORIALS this summer were only "fair" - due to high static, low participation, and because "Prime-Mover" PY1RO/Rolf was in USA most of time, and EI9J/Patty suffered bad case of shingles. (SORRY!!). However VP8NF/Ann, 4S7CV/Gleann, Z87JK/Peter were "Bright-Lights". A phony/pirate 90180 showed up, caused a few pulses to quicken, but was promptly proved a "Bad" by 90180/Harry --- NOW! Trust you've all gotten Antennas/Rigs all set in "A-1" Cndx for the "Fray"!! SOOOOoooo... fellows, guess that's the "Kick-Off" for 74/75 will! Should mention however - there may not be a SPRING bulletin, this year. Marguerite and I may go on a SOUTH PACIFIC Cruise/Tour starting in March, and if so, just wont be able to get the SPRING Bulletin together. OK!!! Would like to take 160 rig along - BUT dont think it is going to be "Practical" for us under the conditions of tour/travel. Anyway, "We'll see!!" --- HAPPY season to yall w/lotsa DX & How ones!! - DXER and satisfaction in this GRAND hobby!! YKsStew/W1BB and o n u on 160!! How

TRANSATLANTIC ANNUAL 160 METER DX TESTS for "FIRST TIMERS" !! These SPECIAL 160 meter 'Tests', held annually since 1932, are symbolic and reminiscent of the original "Crossings" of the ATLANTIC by the radio signals of MARCONI, DELOY, SCHNELL and GODLEY, 1901 to 1924. They have been lots of FUN, as well as developing new techniques of communication on these low frequencies, and adding valuable data to the art. --- For many years, these 'Tests' represented practically all the TransATLANTIC DX there was on 160. Recent years however, with improved equipment, 'Know-How' and techniques developed by previous 'Tests', 160 has become more commonplace and 'Routine'. So much so, that some feel the usefulness of the 'Tests' has ended. BUT there is MUCH reluctance against giving them up, because they serve as an excellent vehicle and focus for NEW stations who have never worked "Across the Pond", to 'make-it', and chalk up a real accomplishment - because it still isn't easy for many many stations to do. SOOOOOOO... this seems to be the most important function of the 'Tests' now!! --- THEREFORE, starting with this 74/75 series, they will still be 'TransATLANTIC' Tests', but will be basically for "FIRST TIMERS" only!! (This does not apply to the TransPACIFIC 'Tests', where still, ~~CROSSINGS~~ "Crossings" are not so commonplace.) --- "REGULARS" are respectfully requested to please spend their time, looking for, working and HELPING "FIRST/TIMERS" ONLY! During the test hours. DATES are:: Nov 17, Dec 22, Jan 12, Feb 9 gnt. TIMES are:: 0500 to 0730 gnt. W/Vs 1800-1807. DX 1825-1830 PROCEDURES:: W/Vs call "CQ FT DX" or "FT DX" first 3 min each 15 min period starting on the hour. Then listening 12 minutes for answers, CQs, or 'working'. DX Answer W/Vs, call "CQ DX FT" or work during the 11 Min periods. REGULARS please, work FIRST TIMERS only! -- KEEP to the 3 Min and 11 Min periods, SET CLOCKS accurately!! Remember these are 'Tests' and NOT contests!! Includes the whole EASTERN Hemisphere/ Best wishes for SUCCESS and at the same time HAVE FUN!!!!

ANNUAL "ALL-AUSTRIAN" 160 METER CONTEST!! International part Sat Nov 16 1900z to Sun Nov 17 0700z Exchange RST & QSO #. Call "CQ-OE". CW only. Score lgt/QSO. Mult 2pts ea OE dist 1-9. LOGS to Landesverband Wien des OE V.S.U. "AGEC/1974" Po Box 999 - A1014-Vienna. (de OEIKU/Willy-Tax!!)

DONT FORGET!!! The ANNUAL AURL/160 METER DX TEST Dec 7 and 8th 1974. This Annual operating event is shaping up real well, and is especially interesting to those more "Contest Minded" than being "DX-Minded" - it brings out many vrb "Contest" operators!! See QST for details.

TRANSATLANTIC "EARLY HOUR" RECORD held by VOLKE for 1820z. Will be QRV 1840Kz from 1730z to 1830z. DX 18, 14, 15, 20, 21, 28, 29, plus often as possible at str ~~WEEK~~ days. All European Stns are invited to join in attempt to better the record. NOTE!!! VOLKE will Tx and Rx on 1840 Kz and will NOT use the usual "Split Fy" system. Here's your chance boys to be on one end of a new record!! DX take note!!

ANOTHER 160 METER MOBILE W4/SQ/EA with FT101B & Special modified "Rustler" Ant w/load coil has several vrb parking (Sparkin??) spots- one nr a "Spooky" graveyard, on banks of Jacksonville Fla river where radiation is over water. Often lays down radials. Sex "Gass even using portable radials I can still be called genuine MOBILE becuz if I have to, I can just drive off dragging 'em with me! HAVE thought of it actually too - but dont think even friendly cops would approve it "stunt"!! Hw wld PJ2VD/My569, VERLXT/My569, W47ILC/My 559. Hrd DHI 57/99. GREAT!! Ed on ur real "Versatile"!!

RECORDS CLAIMED!! Item 2, pge 3, BULL 3 73/74, wherein Herb/KV4FZ claimed distance record 11,450mi and "FIRST" SSB/WAC, brought responses. REGARDING DISTANCE. Ralf/PY1DVO counter claimed greatest distance to JALMCU. W5RTQ who has access to extremely accurate computer global distance calculation tables etc took it under his wing to 'check', and also suggested W1BB's VK6HD QSO might be the greatest. His results herewith using special trigonometry electronic calculator. W1BB/1 11,609miles PY1RO/JALMCU 11,532 -- KV4FZ/VK6HD 11,463 -- W5RTQ/VK6HD/VK6NK 11,577 miles --- JALMCU/VPSKY, 10,577 DK?? Any otr claims?? (WINGT wld VK6HD, so his distance is about 30 miles less than W1BB, or say 11,579 approx - Hi!!) W1BB has also wld Singapore VS1LP, but W5RTQ sez this is shorter. PY1RO and KV4FZ suggest maybe some G has wld ZL which might be the record - any CLAIMERS?? --- REGARDING SSB/160/WAC, Ralph HGT sent in copy his WAC/SSB certificate dated 9,12,72 edging out Herbie by a month!! CONGRATS Ralph --any others?? (Tux let Earl/W5RTQ excellent calculations sto!!)

HERB'S A RECORD THAT'S HARD TO BEAT - W4SAPH's!! 73/74 wld 50Ctries, 126 diff DX stns!! 700 tota 160 QSOs inc DX and W/VE -- and CQ/Oct sub 462 Pts -- CW Test "ov 2434 Pts - AURL/160/Dec, 83K!! CQ/160/Jan 92K - CQ/WPX/Mar 50K Pts!! Now has total 55 Countries, "Wal", who m has 8!!!! (Believe it or not) BEVERAGE ANTENNAS, and therefore qualifies as a "Beverage Expert", sez. 1. It is of little importance to cut wires to resonant lengths - since termination circuits upsets resonance anyway. Advises not to go over 1100 Ft - dont gain anything. 3. GOOD results can be obtained down to 500', but pattern pretty broad. 4. Uses 2 wire 'reflective' Bar. for West and VK land.

LONG LIVE W2EQS!!! Chas who has been "Crying in his beer" becuz was gg lose W2EQS call after thirteen years sez he has rec'd modified W2EQS license fr FCC and can now keep it indefinitely!! Hrd it 12 Feb. Sure would be hard to hear some other guy signing W2EQS!! GREAT!! Out of India

G3PQA/John Just home fm Saudi-Arabia couldn't 160 there. He is hoping for new Rare EXOTIC DX assignment where he can really cause some 160 Pile-Ups!! (We hope so too John!!) VE1MX/Harley sez; this summer NOISY compared to last. Activity poor. Some good openings, went to waste! BUT added two new Countries!! Wkd EI, PA, DJ, K, I, CW, OK, KV4, PI, PT, GM, G, VP8, FP, FP8. "Wishing lota quiet nites and gud DX to all for 74/75" - Tex Harley. K5JVF/Dave started season right wkg KH6CHC 8 sep 0711. Hrd PT9DM and!! G68Q 1826k 0545z CQing - unusual - Sez "Condx werent so favorable this early last season!!" Anyone needing OKLA, write for sked!! K5OHS/Dr. "Saj@s" DIPEDITIONS to FM - all on 160. VP2D wkd KV4FE, 2xssb, Hrd W2DEO, ToSAPH ragchewing. FG6AYZ, 10Q inc W2DEO, 4BRB, KC4KIA, 5RTQ, W1WQC/4, WbEAPH, KV4FZ. PROBLEM: Too much QRN in USA/land. Nice wk Saudi!! VOLKE/Mike sends in two 'tidbits' - He'll QRV in PT Nov 8-10. SP9DN trying for I.8 permit for either ARRL, or CQ 160 Test 'Fingers-Crossed' !! Tax!! HA5.svl-142/Janos: Bad Summer-QRN very strong!! Once raised 2 wks steady! QRL at wk changing tube equipment to transistors! Will cover 160 Test carefully. Has made new vert per W1PL - doing sum VHF wk! Let's hv the 160 reports Jan on and Tax a "No"!! HB9NL/Frank DXpeditioned HB9NL Liechtenstein Oct 7-19th - No reports in yet - Condx not good tho

WEST COAST - TransPACIFIC --- FAR EAST

WESTERN SAMOA - TOKELAUS - NIUE TONGA!!! with Jim Henderson Wb6CZB&ZSZ who made the "FIRST EVER" 160 operations fm 5W1AL, Zk2DX and A35JH in 1972!! Now DXpeditioning 5W1AF & ZN7AH Oct 7-28!! Uses T4XB H4A Dipole on 1805, 1910, 1995 usually 1000 to 1300z. Is 22, a B.C. D.J. by trade & Jr E.E. @ W5GB. N.M. State Univ. CHEERS!! and Tax a 'No' Jim - LUCK!!

VFB DIPEDITIONS SHAPING UP BY JALMCU/Jiro - w/ lve JA Nov 14 QRV JALMCU/S2 Bangladesh Nov 15, 16, 17. Then QRV 8Q6AD or 8Q6AE Nov 21 to 26 - especially Nov 23, 4, 5. CQ/WV/AB/T. Possibly VS9M also. QRV 1803 & 1827 Dipole, FT10L&F12500. Sunrise/Sunset S2 0011/1112 - 8Q6 0041/1242. Calls not sure yet.

W1BB CONSIDERS IT AN HONOR to have had JA3DI/"Saburo" visit W1BB/"Shack"/"Tower" on behalf of JA3AA with signatures, greetings de many JA ~~XXXXXX~~ HAMS present at First Annual JA/160 Meeting, at ~~XXXXXX~~ YUZAWA City May 25th 1974 when the "W1BB 160 Meter Award Cup" was presented by JA3AA to JALAO as the most outstanding 160 Meter Amateur in Japan for 1973/1974. He completed 1st JA/160/WAC. Made First JA QSOs w/Africa & S.A. Has been diligently working for development JA/160 since first licensed. Has documented his work with Excellent Data and LOGS. Greatly by his efforts and EXAMPLE, today over 10 JAs are on 160!!!! PRESENT were JAL-FVK, h/LOG, HKP, MCU, NEZ, QCQ, GQV, e/JAC, GKE, JKG, FRC -- JA2-KZ, LHG, h/DCP, IIC, GQO, UEO, CLI, EAZ. -- JA3-KYC, PNP, SVC, AHZ, ART, OLI, h/UBF, h/SQM, h/SON, h/SQJ, h/BDB, r/CID, PJ, PJB, JF, BJH, ATJ, CHB, JM, ALO, BEV, UI, AA. (h/UBF, means JH3UBF, etc.) -- JA4-MTB, EIA, DGG, RF, CX -- JA6-KE, TSL, CMY, QZ/3 -- JA7-WI, AO, AGL. -- JA9-ANF, BOH, CWJ, FT. Conprats to our JA friends!! VFB indeed.

GOOD REPORT FROM WEST COAST de W6DAO/Keith sez "What a Summer"!! Band bn active - hrd East Coast all but 38 days - noise there been minimal - Vks/Zls pphing up - hrd VS6DO S 3, 4 and SEPT hrd DL1FF!!!! Few weak JAs. Wkd KH6CHC 599x2. Sez "Big Suprise & Indicates 74/75 gonna B gud!! Believe Hears mid-west 589 0900/0500z. Let's hopy great 160 experience 74/75 sez Keith!! Amen!!

SHORT ITEMS ::: JA7AD/Takao rec'd VPSNP Aug 30 but could not QSO. Sez W4EX's sig still VFB in JA ~~XXXXXX~~ CONGRATS K6IA/Dale on making WAC with VPSKF, VE6HD, VS6DO, G3ZEM, JE7JZ. GREAT!! He "Gung-Ho" for more DX. Sez DULEY, VS6DO, XULDX, ZD9GD to be active 74/75! Tax!! W6RIZ/PA FALL FOLIAGE BUS TOURING USA stopped in Boston, long enough to "Landline" W1BB. Sure gud to have 'Chew' w/Ed. Sez hrd VK3OP 579 Sep8. W. Coast gand "Ready" for 160 w/ W6BW/Gus, TUT/Ernie, KIH/Geo among those 'Hard at it'. Luck and DX Ed/cm. Tax Call. SORRY SORRY SORRY!!! VE7HO/Gordy became SILENT KEY Mar 20 suddenly just after returning fm hospital and participating in ~~XXXXXX~~ CW DX TEST Mar 16/17. He w/ B greatly missed by all - especially on 160!! (Tax VE7CHM/Hank info). Sincere sympathy fm the 160 gang to family and friends. VS6GM/John 160 Enthusiast left Hong Kong OCT for G/Land - Tears!! Sez VS6DO will "Carry the torch" for 160!! Luck John!! b.c.n.a. fm G. W6MSE/Jerry w/70s & 30' High Ant really "Went to town" QSO'd KH6CHC, KL7CL, W1GJE/N.H. plus Conn, Mass, 38 VR3, 4, 5, 6, 8 & KV4, 38S and as portable (W6YY) on Mt Wilson wkd YV5 599x2. Keep up the gud wk Jerry!! JA/svl-8265 TELLISO OUMI OITA, JAPAN reported hearing W1BB's signals May 7 at 0240z which "Checks" AOK. Looking for more Ws East Coast and hopes to have HAM ticket in '75. Tax. W6TYR/John expects active season. Already wkd KH6CHC and QRV str!! (WE/ALL sure do hope the West Coast boys have an excellent 160 season!!)

LOOKING SOUTH

MR. FRED LUSHFI at Newton, Mass, N.E.D.J.C.C. meeting Oct Looking FINE! Gave GREAT talk @ Rec'd ARRL CW Competition Award -, will be back on 160K!! You remember he was kidnapped, shot, nearly died in LV, commented one of his MAJOR regrets of the incident was that he didnt complete his 160WAC while still operating LUSHFI!!! W5RTQ/Earl sez "How's tt fr a 'Dyed in the wool' 160er?!!!! (Amen!!) GREAT spirit Fred OK. Fred nw in Washington & W1 be common W3, W4 next 3 to 4 yrs expects. HAPPY You're OK

KYSA/Dave Was Dr. at Hospital in CZ where Fred/LUSHFI was operated on after his being kidnapped & shot in SA. Coincidentally they met - found each other as HAMS - discussed 160 - Dave became VY much interested - Fred suggested "Sloper" ant which DAVE installed and Bn doing VFB on 160. Fred/LUSHFI sez "Was invited to Dave's house for Dinner, and for DESSERT we QSO'd 9 stns on 160, inc VP2, KV4, VE1, w/ g FAXC/R4C rig" GREAT!! And GRAND to hv you on 160 nw Dave on!!

ANARCTICA/VF8NP/IAN (G3ZKH) a Postoffice Engineer on leave fr 2 yrs fm Bradford/Yorkshire, doing scientific work as member British Antarctic Survey Expedition on GALINDEZ Isl 65S-64W. (Argentine-group) is very #HEP on 160 with RACAL TX/RX using 130' Balloon Vert w/ radials, also 160' LW DIPOLE and laking fr W/VEs & otr DX. CHEERS!!! AUG 11 first gud opening, he peaked 589 to give WIBB*, HGT* -W2DEO, UEZ-K2ANR*-Wb8APH*-W8WFC-PT9DM-PY1RO & Otrs QSOs (*-also SSB). Beouz of ionospheric soundings Ian must QRT for four 4 Min periods each hour. 13-17Min, 28-32Min, 43-47Min, 58-02Min. Watch your clock carefully - be patient!! He'll come back if he has to QRT in middle of QSO!! Ian is a GREAT operator & VY Well Known fr his excellent CW wk in 24&36 Hr Competitions. Member famous "WHITE ROSE" Radio Club/Yorkshire!! Tnx IAN fr putting real rare one on 160. (QSL via G4BNH/Frank, who is doing VFB "Liason"/QSL job!!) He will be found near 1804, or 1826/27 Kes when QRV. LUCK to 'yall!!

CONGRATULATIONS PY1RO/Half on 50th Country and 4S7GV/CEYLON/GLENN First/Ever for both!! GREAT!! MAGNIFICENT!! and Rolf's Champagne flowed freely!! Half a DXCC on 160!! Rolf celebrates every new C by downing bottle Champagne, sitting comfortably on his front porch, feet on railing, Contemplating the beautiful Brazilian Mts!! AND the Ionosphere we do believe!!

RESOUNDING "FIRST/EVER" by W5QPI/"Gil" Who per DXers Mag DXpeditioned C.A., TQ4, YN4, & YS1, putting E1Salvador on the 160 DX Map for the first/ever time, and giving WIBB his 118th Country on 160, Aug 30th at 0345z from YS1WPE/Bill's QTH, using W8GDQ Ribbon, portable 130' Inv L. (Got badly ANT bitten putting Antenna up - they have "Man-Eating" ANTS in YS!!) Also QSO'd Wb8APH & W4WRI. Experienced B.C Sta Harmonic QRM badly. Sez practically everything SSB in YS/YN. Had Earth ~~SHAKE~~ Tremors in the area! CONGRATULATIONS "Gil" on - Nice wk!! (QSLs will be "Pitcher" type and on request only).

TRANSEQUATORIAL TESTS 1974 organized by PY1RO & EI9J provided many interesting contacts. However the "Activity" was way down on '73 Tests dus in part to Rolf's being in USA and also an unusually high static level everywhere, all summer, this year. PY1RO, PT9DM, HCL1G, KZ5AA, ZE7JX, VP8NP, KV4FZ, ZS1MH on.

W/O/Jim's CENTRAL AMERICAN EXPEDITION!!! W/FT101B, Jim flew to put HR on the 160DX map - ran into poor condx generally, especially QRM!! and POWER LINE NOISES!! But did a GOOD job working: July 13 Wb8LI, Wb8APH, W2DEO (Home Sta) PY1RO, HCL1G, K4CC. Hrd W2FJ & PT9DM. Jul 14th Wb8APH, W1HGT, W1AB/4, KZ5AA, W4LDM, DL2CG/YV5 & KZ5AA. Had otr plans but ran out of time. Jim is to be complimented fr his "Patience and Perseverance"!! (W2BHM/Joe did most excellent job operating Jim's home station and keeping 'watch' - also "Wal" Wb8APH did an excellent job of liason!!) Jim hopes to go again some day

SHORT ITEMS :::: HCL1G/PETE DXpedition TO 12,000' MT. PICHYACHA is planned for 74/75 season solely to wk 160, probably during CQ/WW/CW/DX/Test, for boys who "Need 160" --Trying for call call "HCL1OC". Best LUCK Pete!! SALUDON to K5OHS/"Sam" on his "Island Hopping" Carobbean DXpedition FM6 - No 160 QSO/QRM!! VP2D wkd KV4FZ 2xsb only. Hrd W2DEO, Wb8APH Ragchewing. FCAYZ - 10 QSOs W2DEO, 4BRB, 5RTQ, 4CIA, 1WQC/4, Wb8APH, KV4FZ. Sez "Lot'sa FUN, but QRM too high on USA end!!" - VFB "Dec"

RHODESIA ZE7JX/Peter = CONGRATULATIONS!! Jul 13 came thru first time, QSOing WIBB/1, W2UEZ, K1RQE and K1PBW. Sure GREAT!! to have a "New One" on. Keep up the good wk Peter on!! CONGRATS AGAIN PY1RO/Half on = "In the news a lot" - Sep3 QSO ZE7JX & OH1SJ fr C #55 & #56 My!! now the Champagne did flow that day!! 160/KYL HELENA/YV5QR de VENEZUELA visited W1PL/Lacie&Olga late June - also stopped in at WIBB. A GREAT!! CW gal she's hoping to get another 160 rig and back on "Top-Band"/160

VK/ZL/OCEANIA W/VE PATH PROCEDURE WAY DOWN UNDER

"CALLING" SCHEDULE especially on Early Morning SUNRISE USA DXing where VKs especially must transmit 1800-18005Kc, just where W/VEs also must transmit - it is ESSENTIAL that ALL stations, W/VE and all others (Includes SA/CA/Etc), except VKs, ZLs, OCEANIANS, should exactly time, by WWV and sweep-second clock hand, their CQs to the FIRST 2 1/2 MINUTES, of each 5 minute period. THUS there is always 2 1/2 min of silence for the weak OCEANIA stns to be heard. Especially, W/VEs & Otrs trying for VK, wh not be QRMing each other, AND the Dx!! Sure is hard to hear/wk a weak VK when others are CQing right on top of him etc. When Oceania QSOs in progress, wherever possible (Not always), others should suspend their CQs to allow completion of the QSO, unless their fys at least 3Kc away from the DX sig. ALL should make QSOs SHORTEST POSSIBLE when otrs QRM for QSO also. Observing above wll help a LOT!! Especially where the "Peaking" and possible times for QSO are so short!! This should apply to ALL W/VE stations whether in EAST/CENTRAL/WEST!! Eliminating indiscriminate CQing will "Coordinate" things so weak DX will not be blotted out and QSOs ruined. Anyone who arbitrarily CQs may spoil things for others. Rag Chewers should be encouraged to move "Up-Fy" during the short peaking periods

ZL2HE/ART GIVES NEW ZEALAND INFO (Tnx W5RTQ) Sez "Following list active/160. ZLs, 1AQ, BKX, XY, AMN, AQC, ..."

W/VEs, 4el colinear array and 2 Inv Vee at 180° w/FT101/v70. QRV 1875-80. QSL 1800-07. Sez: 6
 W/VEs frequently hear W/X stas but vy frustrated/Discouraged becuz W/VE apparently dont QSL 1875-80.
 ZLs hear W/VE not only at W/VE sunrise times, but at all hours of the night after their SUNSET!!
 W/VE/TOM QSO'd ZLs IHY & MO IN Mid JULY rec'd 579. Most interesting was fact ZLIHY using three
 1. W/VE regenerative Rx & Gave Tom tt 579!! Shows what simple equipment and right condx can do!
 EXCEPTIONAL VFB VK3/USA PATH LOGS by VK3CZ are in for MAY/JUN/AUG/SEP Logging almost EVERY day!!
 They cover HAM sigs, DHJ/KPH/WND etc with comments and are really "Super"!! Arthur supplies the
 most complete data!! CONGRATULATIONS!!- (Anyone particularly interested in seeing these LOGS
 if you'll send s.a.s.e. and promise to return them promptly, you can borrow them!!) Also have t
 for JAN/FEB/MAR/APR 1974. Some calls listed:: W1BB/1, HGT-W2BP, -K3MBF-W4EX-W7ILG, QID, ZC, -W4J1J, W4
 W48MJP, W8ANO, -W7SFA-K1PBW-W1BB (Home QTH) -KV4FZ, -OK1DOK-KV4CI-OK1ATP-OK1KPU-G3RVM, ZTY, LIQ, RPB, a, RV
 RBP, SZA-G6CJ-OK3KGF, KGJ, -OLIAOH-OK2PAI-OK5VGS-OK2PAY-OE5KE W3BJZ-PY1RO-W4PRB-W7DL/7 & Others!!

ITEMS MISCELLANEOUS ITEMS

TOM/W48J1J SUGGEST Re "DX-WINDOW" "Offenders" that we take a "Positive" approach, pointing out to
 them that 1825-1830 is the only fy that ALL Eu. Dx Stas can use, i.e. Q1800-2000, PA/ 1825-35, DLs
 1815-1830 etc., using this as a strong argument. (Very good idea). Then W/VEs shud keep to the 5Ks
 1800-1805 and NOT spread out all over the band - which of course is as most of us do it already now
 EXCEPT in contests!! OK., Ideas?? Tom/Tom.

IAESU FT401 MODIFICATION KIT!! Available fm G3LLL/Harry Leeming, 21 Beresford Road, Blackburn, BB1
 8BG, England - to convert this unit to 160 meter operation. Has been used by 30 or more UK Stas -
 \$23.00 air mail post paid. Write harry for further details if desired!!

ARRL 160 METER DX AWARD. VOLKE/Mike sez "DXAC" member VE2RV advises that so little mail has bn rec'd
 in response to the idea, that DXAC hv more or less given up the idea. GANG, if you want an AWARD -
 better spread the word - write DXAC members - make feelings known - or there just wont be any AWARD!!

FRANKLY, I -(W1BB) AN ENVIIOUS!!! -(Thought for the day!!) of the 160 boys who live way out in the
 Country.-(I just got back fm entry)- where it is QUIET - electronically speaking!! Out Tha, where
 TV's no "BLANKET OF ELECTRONIC SMOG" about, like there is here in a highly urbanized, settled, city
 or town, "High-Lines" area, etc etc to give a high ambient NOISE level!! This summer - at my farm -
 "Villa Mon Repos", way out in rural Maine, on Salt River - "Away from it all" - BOYS!!! It was HEAV
 -so QUIET & one could hear a 1-milliwatt station fm anywhere!! I'll swear!! WHAT a pleasure, tuning
 & listening for the "Weak-ones". You know the saying "If you cant hear 'em, you cant work 'em" -- a
 problem thataway up the!! If it wasnt so far away (325 Miles), so rural, so unwinterized, I'd be
 tempted to live there permanently!! WHAT a 'let-Down' coming back to the 'Big-City' - Suburbia Boston
 Yep- you 'Country-Boys' "Have it made" 160/DXically speaking!! Room for BEVERAGES, (W4SAP/Wal has
 eight -yes that's right - 8 of them!!) Horizontal Vee,s- verticals with 180, 133' radials too that
 the city kid/gangs wont run away with, if desired --- are 'yall droolin'???? Anyway, home agn nw to
 settle dwn to '74/'75 season with "Ear-Bustin" FUN, just the same!! But we'll really be lookin fwd
 to next summer's heavenly interlude, remembering those "QUIET-TIMES", all thru the long winter!!
 I suppose though, one shouldnt be envious - but rather should "Count his blessings" - and we do
 have many - even here next to the "Big-City" - like "The TOWER", lots of salt water around - Etc!!
 Guess that's the RIGHT way to look at it - philosophically speaking - eh????

WORDS OF EXPERIENCE - ANTENNA COMMENTS de K5JVK/Dave on: Sez. "Last season used TWO antennas. A
 1/2 Wve Hqr about 10ft high, and a 264' Ebest tower with big radial system. On the horizontal, can
 hear anything, but cant raise anyone but locals. On the VERTICAL, can raise anyone I can hear, but
 can only hear the louder signals. On this Vert the LORAN at 1900kc wipes out the 75A4, but no probl
 on horizontal. DESPITE the theory books, and 20 yrs communications experience, on both professional
 and Amateur levels, hv come to this conclusion::::Under low sunspot, and 'one-Hop' condx, vert to
 vert, or hor to hor, is much better than cross polarization, BUT on multiple hop = not much differ

THE "GOOD OLD DAYS" or W1BB's REPORT TO ARRL on the 1937/1938 TransATLANTIC DX TESTS ::::(Remember
 this was written in 1938, 34 years ago!!)---"The following were W/VE participants: W1BB, KXA, E2, BW-W2
 IJH, HEX, JON, IQ, RFA, HBC-W3GLV, DUE, GGE-W8MIS, BDV, QJN, BLP, LCI-W9FOC, ENQ-W/RIE-VE3KE. Known Cs were G2
 PL, J, INC Many otrs whose calls unknown also on. Tests were Dec&Jan 37/38. First two weekends, very
 few calls hrd. Three short QSOs resulted W1BB/G2PL, 2DQ, 6SQ. Max strengths 339. Av 119/229. Sigs faded
 rapidly. Latter part of Feb the "Cosmic Blotter" descended, wiping out all 160!! It is my opinion
 160 DX swings in long cycles over periods of years, varying with sunspot activity. My thought is th
 when sunspot activity is highest 160 is poorest and when sunspots are quiet, 1.75Mc is better.
 Someons might "Check" this. It is hoped that enough interest will be shown from year to year to
 continue these "Tests". = So there you have it from "Way, Way, Back"!! Hill 42nd season now!!

2.8.75

Y1RO
Rolt
Here 'Tiz Agmin!
Boy!! How the Flows!
Champagne 73!

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop - 02152 - Mass.

Congrats

2E7JX has adapted your idea of Champagne for New and hiker DXers!
160 DXer!!

FEB 1 1975 W1BB --- 160 METER DX BULLETIN --- W1BB 1974/1975 - No.2

de W1BB/Stew --- NOW!!! What a wonderful season this has been thus far, quite exceeding our "Cautious Optimism" of OCT!! All-in-all, looks like it will go down as a real "Jim-Dandy"!! Hasnt been "Top-Notch" every day - has had it's "Ups & Downs" - but the "Ups" have been most EXCELLENT!! Many WACs hv bn made - distance records broken - new countries added - DXpeditions flourished - bigger and better antennas, ground systems, and receiving techniques used!! Rolling up new DXCC Cl...ies wkd been fast & furious!! KV4FZ is up to 95!! and wkd WAC in just over 8 hours!! W5RTQ/559 QSO'd VS6DO/339 1315z No.56C, & "FIRST/EVER" W5/VS6!! PY1RO has wkd more entries than "you can shake a stick at"!! JAs hv bn wkg into Europe and W5 land. Real "Long-Path" opened up DEC 19 2055z when VE1MK hrd VK6HD 45min at 559!! VE7UZ wkd GM3YCB. Contests excellent, with record break scores. PY2FUS breaks W1BB's distance record by 12 miles, or 11,621 miles!! xyl Helena YV5CKR wks "Machos" DX "allover the place"!! YS1WPE/Bill activates El Salvador!! (Tax W5QPK!!) JALMCU wkd 160 fm S21CW and 8Q6AD, "FIRST" time ever on 160!! VS6DO vy "Gung-Ho" 160 wkd much DX!! PY1RO especially active, wkd JA2GQO. Other "Luscious" DX actives: HOLXG, ZE7JX, ST2AY, AX4nj, AK4UR, KZ5AA, VK6HD, KL7GKY, ZB2GJ, AS7GV-w1 QRT Apr, 9LLJT, EP2BQ, JY9FOC, CA8V, HOLCW, VP8NP, HR2NF, plus the "Regulars" and many others!! TRANSATLANTIC "First-Timers" tests/condx vy vy poor, but THREE made it!! CONGRATS CQ/160 annual "Test" VFB!! - OH3XZ/6 a "Suprise"! W1BB's "DX-BAROMETER" shows 74/1975 wkd 46C & 150 DX Stns --vs-- 73/72 37C & 116 stns, to date, indicating the btr condx. The DX-WINDOW am happy to report, working "Pretty-Good", tax to all 'Cooperatants' to keep it 'clear'. HO:NEVER, especially during TESTS, there are too many "Invaders", some deliberately, otrs thru ignorance -- we must "WORK" on them!! "SALUDOS" to the strong NA/SA Dx stns who kept out of the WINDOW!! BUT some did operate JUST outside, on EXACT band/edge, 1825k, causing "Spill-Over" into Window by stns wkd them, making 1 or 2 bc unusable. Next time folks, how abt 2 or 3 kc below Window??? Tax!! READ!!! OH2BH/Martin's 'Thought-provoking', and amusing "HOW TO WORK DX ON TOP BAND", in Worldradio VAN7 Jan '75!! "NOW HEAR THIS"!! fellows - starting NOW, please "Hold-Back" on all correspondence to W1BB, except unusual & important DX matters, (Mark envelope URGENT/IMPORTANT). Am "Closing-up" here so Marguerite and I can go to visit my SON in KH6 & take SOUTH PACIFIC cruise to VR2, ZK1, VK, ZL etc, and fm now on until middle of summer, most mail will just be piled up by my caretaker and unopened. NOTE!! SPRING issue this yr omitted because of South Pacific trip!! (SORRY!! cant take 160 along!!) BULLETIN POLICY !! 3 issues FALL, WINTER, SPRING. Free to active W/VE DXers, who keep S.A.S.E.s at W1BB. Also to DX who send 3 IRCs per issue. BECAUSE of the great upsurge of 160 activity, there's more NEWS coming in than 6 page BULL can handle - if some of yours is left out - I'm very sorry - do my best!! ALSO those who send copies of LOGS - VERY interesting to me, and avidly read and appreciated, but cannot handle in BULL!! ALSO on contests, remember, main point is to mail results/log/comments in to sponsor - I do not attempt to "Cover" or report Contests thoroughly BUT again, LOGS and items sent here avidly read, and some highlights used. Tax!!

NOW!!! Guess it is time to "Sign-Off", until this coming FALL
HAPPY DAYS to you all and BEST of DX on 160 always!! 73 de Stew/W1BB

LEADING "TOP-TEN" in DXCC 160 COUNTRIES/WORKED -- W1BB/121, W4VZ/95, W8ANO/85, W1HGT/80, W9PNE/71, W4BRB/70, W2BP/65, PY1RO/62, K4CIA/60, W8IJI/58. This is as "up-to-date" as I have it at moment - it may not be quite accurate - if not, please advise. NOTE QSLs must be on hand. Wkd but no QSL on hand do not count. NEXT list, will be "TOP-20" worked - OK????!!

REAL LONG PATH!!! VE1MX/Harley Dec19 2045-2105z 1804k Hrd VK6HD Q5/S4/5 CQ - old&old but Nil, "He wasn't hearing EUs either becuz GD4BEG & otrs cld hm - day B4 Cdm to Eu fantastic! GM3YCB cld me say VK6HD on my fy - cldnt hr hm - but today 30WIE!! I was real "shook-up"/thrilled!!" Tnx Harley and CONGRATS - sri no Q - proves how unusual/wonderful/unpredictable 160 DX can be. VK6HD confirms - vfb

ANOTHER VFB "RECORD" - WAC IN 8 HOURS!!! Herb/KV4VZ, ARRL/160 test Dec6 wkd 9LLJT, HNDW/P, 4X4NJ, GD4BEG, FY8BHI, KH6CHG.!! Also brings his total to 95C. EXCELLENT/CONGRATS!! - Any otr claimants to this distinction?? (W1BB made WAC in 18 hrs CQ/AB/CW Nov23 wkg OD5, CT3, G, 4W, K6, KH6) This shows what a superb set/up, 300' BC tower, many ants, space diversity, 3 receivers, oceanside QTH, excellent conditions, and a VFB operator can do!!

SIERRA LEONE 9LLJT/Jim(K4ZIN/5) "As/of Jan7 49DX Qs (18/P fm Mt Top) w/FT101, dipole @ 50' - sun gud openings - got on to help few who asked me to, but nw enjoy challenge. Skeds Sat AM 0630-0730. Weekdays 0630-0700. Tue&Thu 2300 approx. QRV26, QSX LF & 24g - QSL W3NKK whom he skeds Tue/Thu 14, 299 2130z, visitors welcome - WANTS Nebraska on 80 - anyone help?? CONGRATS!! Excellent job - esp VS6D0!!

W8SAPH/WAL LEADS!! - As/of Jan15 wkd 48C & 143 DX stns GREAT RECORD!! Sez band this season, except for few short spells bn excellent. (Amen!) CONGRATS!! (W1BB same date, 46C & 138 Stns - 7 other scores)

"ISLE 'O MAN" - GD4BEG/Mike sez - "Frustrating season-missed too many gud ones thus far (Jan) - every time I'm not on, something happens!! Missed I2XKP, DJ6SI/Y3, OJ8MA, SA1C, ZB2, VS6D0, JA, RR8BKI, FY8BHI, W7DOL/6 - tears!! But "FIRST/EVER" GD to VK6HD - & 1st Afr DJ6QT/CT3. Main problem for Eu is huge teleprinter 1803 spread 4k, S9 plus! All otr comml QRM QSY'd out fm under. anyone needing GD glad sked" - vfb Mike bt per ur log you HAVE skd sun excellent DX with genuine 10w - THAT is GOOD!

WHAT'S WORSE ON 160 ?? THAN HEARING SOMEONE WORKING A RARE DX STATION AND YOU/YOURSELF CANT FIND HIM? Reason?? a. SKIP just isnt "in" at your QTH, while it is at the other. Experience shows distances as low as 30 miles can make a LOT of diff. sometimes!! b. HIGHER NOISE LEVEL at your QTH can put a "mask" over DX c. POORER receiving antenna d. LESS efficient Rx e. YOUR OWN EARS not as sensitive f. YOUR ABILITY/EXPERIENCE to pick weak sigs out of background Noise/Static may not be as good. f. You just cant find his frequency. RIGHT?? (If those concluding QSOs w/DX would give DX/fy, would help

GM3KHH/Bill sez "Did wk UP2XTU/Vlad, believed authentic, NO QSL yet. use FT101, inv V 42' Apex. On 160 since 1955 w/WABC Jun'57, Marland Trophy top score '58/59 & RSGB Test 160 '59" A Technical lecturer, lives in Country, w/ QRV/160!! AGREES, n/Ks HARD to get QSLs fm. Gets arnd, bn VS6, JA, HL, HZ, PY1RO/ROLF HAS A "PROBLEM"!! Sits on his porch, feet on the rail, looking up at the mountains, and drinks a bottle of CHAMPAGNE for every new Country wkd!! BELL!! fm Oct18-Nov24 he wkd FP8AA, 6Y5LA, DJ6QT/CT3, FY8BHI, ST2AY, 9LLJT bringing him up to 62C (and since then more-hvnt score)!! BUT, that's a lot of Champagne, in 14days!! Sez "I cannot keep up with my Champagne drinking!!" Yeah, you dont want to get TOO stiff over New Countries Rolf!! CONGRATS on your VFB DX. (Now has JA and maybe otrs)

NEW COUNTRY-SUDAN-ST2AY/Roger(G3UPK)-on 160 - Cheers/CONGRATS/Tnx!! "FIRST/EVER" 160 fm there! Oct18 Q 4X4NJ No.1 -- then OK, DJ, G, GM, OH, OE, PA, PY, OD, EP, Many JAs, & "WAC" w/VK6HD!! (W1BB thought it his Country No122 during CQ/CW Test Nov23 but NO!! Word just in - he did NOT wk W1BB, W2QD, W2DEO that test - some "Pirate/Joker" active!! Ho/Hum!!) Only W thus far K1PBW Jan20. Sez NA most difficult area to wk, Back ST2 nw aftr vacation "Trying to give more stations thrill of another new Country".

GREAT!! - for ZK7JK/PETER - RHODESIA ON 160 & QRV!!! w/10w!!! has made over 45 Q w/USA-fine going!! Oct/Nov hrd W1BB, HGT, GWN, P2DEO, QD, HCN, ("What a marvelous sig")-W4PRE, EX, ONQ, SQF-W8SX2, W8IJI, SJX, LKT W8SAPH, "vfb ~~sig~~ sig"), KV4VZ, G6BQ, OK1KPF, ST2AY & otrs, PY1RO, PJ9DM etc. is QRV IDON & 1804 VFB!

5Z4KL/ANDRE's KENYA OPERATION ~~W1BB~~ '73. (Nw G3VLD/G3VLS) Very Successful!! Logged 109 stns, 71 2way Qs. 11Q/8C on ssb inc 5Z4, 4N1, HB9, 9JZ, EP2, G4, G4, G -- and 60Q/18C & WAC on ssb - HP9, 5Z4, EP2, 4N1, G43, G3, OK1, JA, n, VQ9, XZ, OE, 9JZ, VK3, RI, G4, DL, PY. CHEERS!! Great JOB!! Hopes fr antr EXOTIC QTH

SIPL/Les KNOCKED OFF ZK7JK Oct25 & nw only needs RH6 for WAC!! (Wkd KH6RS bt no Qsl!!) Gets out fab'ously w/ base loaded vert. His QTH & Vert in middle of depressed ground area, like "BOWL". Ap'arently Les has the FIRST!! -"160 Meter DISH ANTENNA" - it gets out real well, especially when the surface is "Silvered" with a nice coating of fresh SNOW!!!

W1BB ROUNDED UP 1973/1974 "SEASON" working 49 Countries and 144 Different DX stations.

ALASKA K1XGKY WORKED by K5JVP Nov 10, a real RAR one -- CONGRATS Dave on it! "One up" on most of us!

SPECIAL OK PEOPLE 0830, 0130 fm Jan 1 to May9'75 to commemorate end of WW-II (de OK1ATP & OK1WCH)

G/awl NORMAN SMITH who has so faithfully reported on TransATLANTIC 160 DX for so many yrs -
was in hospital agn w/ his 'Shock' problem - but nw out agn full of 'Fight' & rpts the CQ/NW Test
Nov24. Hrd many W/VE. See Ws-1BB, HGT, PL, K1PBW-W2RAA, K2ANR-Wa4SGF-Wa8LJI-HC1XG-PY1RO. Getting around
OH w/one cane nw but has given up driving. Keep up the vfb SWling Norm - gang all "Pulling" for you
W/VE "P. & I." ON 160 - John/W6BYB/VEL w/RAC/TXIC & 78' vert top loaded & 36 Radials. vfb!! John
'retired' but has DXed as ZN6, YR1GM, XE, HK1QQ, W5SRF, DAAVW. GREAT!! & welcome to 160 John on!!
THEY ALWAYS COME BACK TO 160!! So see W1BB -- and W2SKE/Bill is back (Or was-hnt hrd lately) -
after many yrs. Bill used to hv 160 Meter program weekly over "Voice of America", and many good
comments about these 160 broadcasts have been received from all over the world. Tax!! Welcome back
EXPEDITION CREDIT TO ~~MEMBER~~ Jim/W2DEQ putting another nice one on 160. 6Y5LA/Jamaica on Nov10/11
You should hrd the 'pileup' he caused!! ALSO to W2BVN and the boys putting CAYMNs on!! GREAT!!
BEHIND THE 'ROCK OF GIBRALTA' was ZB2CJ, Stan(G2ATU) Oct1-17, QSO'd 24 Eus - but didnt get thru or
over 'The ROCK' to W/VE!! However is returning Feb/Mar, maybe permanently. Expects VFB QTH now!!
GW2UCB/UCNW-ARS/Dave saw Club fully established for all out CONTEST activities!! Use Inv V @ 70'
w/FT101. Ops G4MZK, Dave, G4BRK/Neil, G4ACC/Ian, G3ZJK/Chris. Last FALL Made 4 "FIRSTS" GW/VP5, LU3, FP0
SHORT ITEMS -- G38ZA/Dave has made WAC! CONGRATS! Inc. OD5IQ, SY2AY, AXANJ, VP8NP. Nw New QTH. VK6HD1
: : : : : PA/HIP/Willem w/his outstanding sig is going "Great-Guns". Recently added KP4, VP9,
HK3S7GV, ED4AG to total 490 maybe few more nw!! CONGRATS!! OJ/IM/Koe-"Market Reef" w/10w Tx will
be active at certain times in future!! K5JVF/Dave saw Condx poorer Dec than Nov but wkd TI2, KZ5,
KV4. Only has 13 more to go for 5WAS!! VFB!! WABRB/GENE clicked off PZ1BC, CP1EU to make it 700
His DXpedition ED3E/9X4GS/VP7 Q a resounding "FIRST-EVER"!!! ALL QZ CONTEST produced OE5KE, ANL,
3SGA, 2JG hvg many Qs w/ W/Ves best results many yrs. VFB OEs CONGRATS!! "TOP BAND FOREVER" so
see G4BIT "First-Timers" crossing Nov14. Been trying 1 1/2 yrs w/ 1/4 wve hor. Just changed to 35' vert
& got 559 - GOOD for 10w!! Congrats Paul and many yrs 160 DX to US!! USER LOOSENING UP ON ~~MEMBER~~
160?? Hungarian SWL BA5/142-Janos, reports hearing UP2XTU/Vlad-349 QSO GMBKH-579, Nov9 1827k - he
believes authentic - hope so!! CONGRATS OH2BO/Illie!! 4 new ones. OD5BDg 4X4UR, ST2AY, PY1RO. Needs
Oceania for WAC. EXCELLENT from so far North as OH where dx is really hard to work!! KACIA/BILL
NEW ONES YS1, KC4, HCL, FYP, 6Y5, FFP to 600!! CONGRATS! EL SALVADOR YS1WPE/BILL ON PERMANENTLY now!!
T to W5QPK(YN4IM) who interested him, left W3GDQ Dav L ribbon ant. BILL NEWCOMER/160 a Math/
Science teacher, 40yrs, HAM 10 yrs, Home/Detroit, QTH/500' asl, LEARNING CW, progressing excellently
but see B patient & HVE QRS to him! CONGRATS Bill! EP2BQ/Harry REPORTS: New Cs 4U1, KZ5, 9A1, YV5, 9
9L1, total 370 !! -"Gud openings to USA often occur after sun rise above horizon - sometimes 45min
later! Also bad condx to EU do not mean poor to USA! Biggest suprise, KZ5AA & YV5CKR wkd on apparent
dead band - use bent Inv V 65' Apex" -Tax/CONGRATS! VE3ECP/John nw/160 w/40' vert & 3 radials.
1st Q VELBZC & HK/BKY. Also KV4, KZ5, W6 7 Q & 38s. ENJOYS 160!! VOLKE/MIKE CQ/160/TEST vfb. NEW
Cs OH3XZ/8, VP9BO, YV1OB 1st S.A. - 18C in test, 27552 score. Nw 23C tot. See his experience wkg DX
DX usually must hv low noise level reception to wk hm. Knows tt many W/VEs hv same noise problem.
EARLY DX - hrd G3UTC & G3BFP hvg chow @ 1623z/329, DHJ/2219. All abt NOON local - BOY!! daylight/DX
SORRY!! VE3DU/Dave "SILENT KEY" - active/160, never a DXer but "One Heck Of A Nice Guy" - will
be missed by us all!! KELLY COLLEGE RADIO ELECTRONICS SOCIETY G4COP (G3ZYE/Robin Chm.) hv yy fd
all band set-up. w/10w on 160 hv done Eu well - nw trying for W/Ve and DX. "Hv an Ear" for 'em boy
benn Kelly College!! HUNGARIAN SWL BA5/awl-142/Janos sent monumental LOG of stns hrd inc many EU
also ST2, 4X4, OD5, JY9 & otr goodies - Congrats & Tax!! OKIAMP/MARTIN wkd 29C, 6CONT - awaits one
QSL-CONGRATS!! He visited OKIATP, nice chat 160/DXing!! DLIFF ARMIN Oct/Nov/Dec wkd 7 new C inc
rare QJMA, 10 diff JAs & VS6DO - SALUDOS!! OKIATP/JARDA sez all OKs nw OK3Os until May - for
commemorative 'Liberation' anniv. - nw testing 105' high 2el 160 beam vs Inv V-not conclusive yet.
made "FIRST/EVER" ST2AY QSO - FINE!! VE1MX/HARLEY REPORTS: Nw 39C, latest 9L1JT 6Jan -excellent
DX to Eu! Since Sep New Cs-FP8, KZ5, VP2M, FYJ, HH2. "Got-Aways"-2E7JX, EP2BQ, H18LC, OH2BO, HR2HH, W4BGO/T
4B2GS. Hrd GM3YCB Qso VE7U4, quite a trick, over pole!! vfb/tax!! VE7U2/VIC MAKES WONDRFUL NEW
"FIRST/EVER" QSOing GM3YCB Jan2/3 0835 also G5WP 0915. HOORAY!!! Sez "DX=Window" cluttered w/AMs
out VE7 way, W6, 7VE7a etc. (Shud wk on 'em constantly to QSY!!) CONGRATULATIONS GLENN 4S7GV in
CEYLON/Indian Ocean, for trying valiantly w/low pow & High noise to QSO W/Ve - has wkd many EUs
and VS6DO!! SALUDOS on fr hvg such "Patience & Perseverance". Moving QTH Apr/back on 160 if poss.
9PNE/BRICE STILL QRPing!! Swatts 8C, 49S, 2cont. 7swatts 9C, 49S, 3cont. Uses 456' flat top w/40'
wve feed sect in middle. SUPER!! A real accomplishment!! On all rige nw has total 71C w/ GD4B7C
Jan4 W3MSN/LARRY w/dipole 7ft!! off grd in bushes wkd 10 stns fm MD inc NY & NC. "Will wonders
ever cease"??? "FATHER & SON" 160 TEAM!! VE1ATP's Son Steve 16 became recent recruit to 160 as
VE1BCZ w/10C thus far!! Homebrew rig 40w w/InvV. NEW: GD4, ZF1, 6Y5, TI2, KP4. "Band ba gud to West" PB
G3VYP/MIKE back College -"Lotsa time to think but not fr operating!! Hv to make up fr it ltr!!
ANYONE NEED NEVADA??? W7ARX/Joel glad to oblige - write for schedule!!

G3ZYI/TREV still has duty on HMS "Argonaut" - home occasionally - hopes help VOLKE break his early QSO record of 1802z. May visit USA w/FT101 as G3ZYI/W1 - hopes!! PRIVATE CONTEST Btw G3RQV vs G3SVL pals to see who on wk most DX 74/75. Both bn preparing Rigs/Ants thru summer. WINNER gets trophy called DITT - or "Dx Triers Trophy" - LOTSA rivalry!! Luck boys and may the best man win - Hows it coming?? ~~XXXXXXXXXXXX~~ been "laid-up" avrl Mos, bt bk on nw -sril!--G3VJZ/DICK had bk on nw. OKIMON/MARTIN has needed QSLs & sending for WAC nw - VFB!! GM3YCB/STUART has noise problem somewhere along his 2500' LH ant - but "Try and Find it" !! Fm some house alongside. Hearing lotsa DX the & wkg sum! VK6,VS6,KV4,Ws,JA6GG,JA2UEO - vfb!! CONGRATS KZ5AA & G3SZA on "FIRST/EVER" K2/G-160 Dec1'74, Excellent!! G3LIQ/DENIS MADE "FIRST/EVER" G/4S7, QSOing 4S7GV/Glenn Noe9 0028z CONGRATS both!! Noe13 Denis made 13 DX Qs inc ~~XXXX~~ VPSNP - GREAT!! W4NFI/JIM just wkd PA/CHIP & HZWP nw up to 54C - nice, for Wp, CONGRATS!! "FIRST/EVER" DX/WAS ("States") COMING UP?? PYIRO NW has 44 States. Needs only NH,ND,SD,WYO,NEV,Mont. Believe this WILL be a first - any others in line? Go to it Rolf on & CHAMPAGNE for WAS too!! W9WFC/CHAS-(W2EQS) sez "You hv no idea what horrible SSB 'Splatter' is out hr compared to NJ! But Nw up to 36C fm hr. (Nice going Chas). Hv hd sum real disappointments tho, almost but not quite wkg luscious DX tt peaked 2 or 3 mins only & was QRM'd!! CONGRATULATIONS QRPper G3XAP with his specially designed ant (R3GB Mag Communications Dec'73) and 5w genuine, phil Q W1BB & was 569 solid for 20 min Jan3'75, "To start the New Year right" he sez W8APH also gave him 569. Has wkd WAC w/9w, 3yrs effort, Nw trying w/5watts. VFB!! Luck!! CONGRATS PA/CHIP/WILLEM 45C inc VS6DO twice! JA8 hr hm bt he so hear 'em - yet -Noise/Loran QRM frustrating! Also hrs W6DAO but nil Q. Trying loop to cut QRM. Q30'd 22 States Sez "Condx Fabulous this season" Hopes to DXpedition OHp,CJp maybe 75/76. P.E.I.-W6BYB/VEL-JOHN Vy "Gung-Ho" 160 & D doing marvelous job wkg DX "Right & Left" fa his QUIET Qth. 1st Month 22c inc OE,KP4,KZ5,HB9,PY1, HK,GM,DL,EI,PA,G,D,9Li etc. 4Cont, 72 DX Qs. Has vert ant & plans "MUCHOS" more RADIALS!!

WEST COAST --- TransPACIFIC --- FAR EAST

BANGLADESH S21CW and MALDIVES 8Q6AD DXpedITION w/Jiro/JALMCU vy successful on 160 considering QThs. FROM S21CW was on 160 3 nites, wkd 18 JAs & VK6HD,4S7DA,HSLAHM. FROM 8Q6AD on 160 5 nites. Wkd 15 JAs & 4S7GV,9M2AX,VS6DO,OH2BO,OH1W,OH3MG,DL1FF,PA/CHIP,4X4NJ,ST2AY. Jiro sez "Path between USA & S21/8Q6 must be very bad - did not hr single W" -(Right!! Path cudnt B worse - right square over ~~XXXX~~ N. Pole, thru middle of AURORAL OVAL) In CQ/AB/NW/CW Test they wkd 10C, 9Z, 4lpts score 779. QSLs fr S21CW & 8Q6AG via JA/CUV/1 PO Box 22, MITAKA, Tokyo. CONGRATS Jiro and Boyz. EXCELLENT JOB!!!

VS6DO/PAUL-CONGRATULATIONS!! QSOing 9L1JT,PA/CHIP,GM3YCB,KV4FZ,OH2BM,8Q6AG, all "FIRSTS"!! Also DL, DL,3L,G,OK,VK, many JAs, W6&7. Needs only S.A. fr WAC! Hrd YV4AGP & PYIRO.GREAT JOB 'yer doing!!!

TROUBLE/TROUBLE/TROUBLE!!! Sez K7WQ/Dave "Terrible Line Noise many months - cant clear it - VERY frustrating - limits my active DXing severely. BUT despite line noise hv wkd few new STATES, and "Come Hell or High Water or"HIGH LINE NOISE", I'm gonna wk sum DX this season" - SORRY!! Stick w/it

VERY ACTIVE KNOWLEDGEABLE JA2GQO/Kinji ORV 160!! For any/all W/VES & DX w/1KW to 60' high dipole & "Mini"-LOOP fr receiving to cut LORAN! Wks W Coast easy. Hrd Wa8LJI. On 160 since 1969. Deserves "HONORABLE MENTION" for fine accomplishments!! WAC:: LU5,W5RTQ,VK6,VS6,DL,ST2 -- vfb LOG WK and many QSOs. His WAC No.6 in JA. JA7AO No.1,,JALMCU No.2,,JA3AA No.3,, JA2GQO No.4 "SALUDOS" to all!! Sez in JA 1800-1806.5 JAMMED 0800-2100z always over S8 by unknown but suspected JAMMER. To QSO one must transmit 1807 to 1808. JA stns w/ say QX 1807-1808. 0800-0900z all OK, No Jamming then. Tnx ~~XXXX~~

SHORT ITEMS OLD TIMER W7VS/TEMPLE just retired. Congrats! will devote time to 160 - has 3/8 Wve ~~XXXXXXXXXXXX~~ series tuned 100' vert. LUCK and FUN O.T.!! K7IFY/BOB (ExWyo) has moved to Renton/Wash & beginning to wk sum Dx - 6Y5,ZP1,VS6,JA, etc - LUCH on at new QTH!! "LUCKY-FELLER"-W6AJJ/Lloyd Wkd XV5AC 23Nov'73 on 1804k CONGRATS!! KODIAK ALASKA-KL7GCH/CASEY hears lotsa sigs this season but cant work 'em. Sez KL7FA/Douglas also active (See ARRL/160 Test sect.) W7DY/ROGER, Ex W7MNW is putting vfb sig into the East Coast!! FLASH de JA1HKP/JUN sez KG6APP on w/25w 1902.2k and P29KE w/FT101 on soon. Tnx!! SIGNALS HRD IN KODIAK BY KL7GCH:PY2FYS,W9YIF,W8APH,HK,OKI,W6MZO W4NFI,Wa2URS,KH6IL,G2CIL,DHJ 56/7,VE7UZ,W3WI,W5TOS - but NOT ONE Qso!! Bu hvng Magnetic storms at tim & Culdnt wk Anchorage only 270mi. Snow 5' deep. Moving spring btr QTH,ant 55' higher.Many Radials!! TRANS/PACIFIC 160 METER "TESTS" - No word/Reports received from anyone to date. How abt it boys??

LOOKING SOUTH

"SALUDOS" HELENA/YV5CKR who is only "YL" known to be on 160, for most EXCELLENT CW operating, QSOing many stations. Just completed her trip to USA/EU,visiting W1PL-W1BB enroute. On return got HQ180a, tuned up 80 meter ant on 160, and "Away she went". VFB/CONGRATS "GOOD GIRL"!! PROUD OF YOU!!

PARAGUAY ZP9AY/ROBERT on occasionally w/two 80' towers & Inv V, 3/4wve Marconi & dipole w/6000hn 110 - also doing much ORCAR 145mc wk. A real fine O.T. Does excellent job when he gets on!!

WELCOME PY2FUS/RON!! To the 160 "Club" - Newcomer w/excellent sig doing VFB. Uses H.M. Transverter ~~XXXX~~. His ~~XXXX~~ sister PY2BCS & He both ORV in "WINDOW" QX 1800-1805. VFB Congrats. Another YL?? FB

TEAM-UP by HOLIG/Pete & HOLSW/Chuck on 160 Nov30/Dec1 w/Dipole 230' high at HONB BC Sta QTH, 90
see WHAT a weekend - wkd 200 stns ins G3, OH2, G3, OH2B0 - "FIRST" OH/HC ever, PA. ALL gave us 579
except one 569 - QRN killing though" - GREAT boys and CONGRATS putting HC on 160 DX map!!
CASV/PAUL On again GREAT!! Has given many their PERU Country QSO - Tnx Paul. HAPPY DXing on 160!!

EXPERIMENTING ZFIN/Don (W2BWN) in Nov did EXCELLENT job @ "Spanish Bay Reef" CAYMAN. See "Was fun
operating 160. Wkd all US Dist plus several VEs & 6Y5IA (Jim-W2DEO) (Jim then 'drifted' to ZF & wkd
160 as ZFINO)-wonderful time Swimming, vfb Wx, etc" -- Fine Business Don em!!

EXPEDITIONING HK/BKY/BARRY (W9UCW) Dec28/Jan18 again wkd out excellently, giving MANY a "New-One".
Tnx Barry on - BET it was that "Winooka-Special" Ant putting out that VFB signal!! Keep up Gud wk!!

WAY DOWN UNDER

VK6swl GEORGE ALLEN sez he's succumbed to NOISE!! the bane of 160, which has built up to point he
seldom listens now - a real PITY!! NOISE is the scourge of 160, and has put the "KYBOSCH" on
many who otherwise would revel in 160. "POLLUTION" of the airwaves for sure!! WHAT???? Can we do????

VK3OP/PETE anxious QSO Ex, sez Dec/Jan only time can B done. His Fy 1804. Listening 1825-30. (Nxt Yr
ZLIAH See under ARRL/160 & CQ/WW/OW Tests. ----- VE6EO/Mark CONFIRMS VERMK's hrd! See E Coast/Te

TESTS and CONTESTS

TRANSATLANTIC "FIRST-TIMERS" DX TESTS: TEST No.1 Nov17 almost complete "Wash-Out" becaz strange
condx. Path to OE where by annual "ALL-OE" test inc 160 was quite good. OEs SANL, 38CA, 5KEM2JG wkd by
many & 3, OKs with sigs "Up & Down" bt excellent at times But OEs not in FT test altho OE2JG wkd by
Wb8APH qualified as "FT" - HIS 1st "Crossing". Otherwise not EA a single G or otr Ea hrd/wkd.

"Regulars" HB9NL & DLJFF came thru weakly. That's all. Condx to blame - probably!! VOLKE/Mike sez
"Wkd 1st timer OHJFBH just B test. During test band went downhill. Disappointed "FT" idea not so
generally followed - hrd many O.Ts., seasoned DXers violating it. Suggest future tt those who insist
oprtg do so W/VEs 1805 up, DX20-25 & 30-35" GOOD idea Mike!! K5JVF sez QRN S9 - local sigs only.

TEST No.2 Dec 22nd Condx E/W excellent 2300-0100 but by 0500 path turned more SW. Not so gud fr
weak FT sigs. G3XZK/Dave made ONLY FT Crossing, wkg W1HGT & W1BB. (HGT/Ralph sez "I fully support
idea of these tests and hope they're continued yearly). Other "Regular" sigs hrd G3ROQ, ZYY, SZA, VYP,
G4AFS, E19J, DLJFF, GDABEG. G3XZK/Dave sez G3RCE, G3NQF, G4BNO, OE5KP, G4DPT "FTs" also participating.

W1C/Chas (W2EQS) landed G3ZYY (Cheers!!) YV5CKR, PY2FUS, (Not FTs) & GDABEG fr Cntry No.37!!
TEST NO.3 Jan12th Condx extremely poor. Not a single signal of ANY FT or Regular heard "Across". Not
Not even DEJ - QRN vy high. (Only DX hrd PY1RO, PY2FUS, HK/BKY, KP4AN all NA/SA) Test a complete "NIL"
Wb8APH sez not on becaz of QRN, but backs transatlantic First Timers Tests 100% - thinks gud idea!!

CQ/CW/AB/WW TEST Nov 23/24 Was pretty good!! (on 160) Condx opened up nicely - many entries on O
W1BB got 2 new C OD5IQ & DJ8QT/CT3 Nw up to 121!! -- PY1RO got 3 new C ZD7PS, ST2AY, ID 9LLJT Nw up
to 62!! -- W9NFC/CHAS did excellent job operating 6158 giving out many a new C. 327 Qso, Only 2
EUs hrd bt DKJ vy potent QRN bad 2nd nite --- ZLIAH/JOHN hrd K1PEW, W3GM, 7QD, 8HID, K8CCV/8, Wb8APH,
K9WYO, VE7UZ & sez ZLs elg but no one would listen on 1876!! (Let tt B a lesson boys!!) --- G3UEG/Dave

HAD 1ST Jr op born 0420, then on to test & wkd W1BB, sez "GREAT MORNING"!! --- DJ6QT/CT3-Walter did
"Super" job, 30Q w/12G. K1PEW, W1BB-W2DEO-W3AM, IN, JSX, K3RUQ-W4QW-W3GM-Wa8LJI, Wb8APH, W4EX plus EN, G,
GM GD DL, PY, KV, 9LL, OK, PA, FY. CONGRATS putting NEW COUNTRY on DX map!! --- G3VYF/MIKE wkd 15C, 3cont
reports new one, 9H1BX on - vfb!! --- W4NPL/JIM "Test a disaster - QRN S9 plus - wkd 6Y5, KH6 and
went to bed"! --- PA/HIP/WILLEM 12K pts in 4 New C OD5, JY, 8Q6, CT3 - vfb!! --- GM3YOR 23W inc

VP8, PY1, VK6, AL4, ST2, DJ6QT/CT3, 9H1. GREAT!! --- OH2BO New Cs VP8, 8Q6, OD5, 9LL, 9H1 !!! OKIATP 200, 72
4671 points (His in '73, 2596 points) --- W3IN/DON wkd 28 DX stations, as usual Don did great!!

ARRL/160 CW TEST DEC 6/1/8 '74 Was a most excellent "DO" with especially good condx the 2nd nite.
QST will report fully but few highlights follow :: W1BB/Steve 213Q-22C-36.72K "Great Time" ---
W8RTQ "FLASH" EARL QSO'd JA2GQO & UEO plus 5 Ea Countries & all States except KL7 & Wyo. 71, 442p
W8TBE/PROF. JIM DXpeditioned ZF1FF & did marvelous Job, --- ZLIAH/JOHN 0700-0800 Hrd W1BB, K1PEW,
W42SRQ, W42SPL, W3GM, 5/3a, 6/6s, 3/7a, Wa8LJI, K8CCV/8, W9FIU/9, W4AN, VE3RMV, KV4FZ. On Sun band sounded 14
20 mtrs!! Has W9IU "Transverter" Nw & wl be on 160 himself soon. CHEERS!! --- W9NFC/CHAS got three
new C. Nw score 36C. Made 150Q. Concentrated on DX. --- W4NPL/JIM KV4 ZF1, KZ5, TI2, KH6. ---

KL7GCH/CASEY "Sigs fm all dist ong in bt took 3 hrs to make 1st W6 contact!! Wkd 4 more, then band
QFT Next day hrd VS6DO S8. Clndt raise bt wkd JALHKP, got S8. Frustrating, cant figger it" Sez he
& WFA/Doug on quite regularly!! --- W9PNE/Brice w/ 250 milliwatts to 3watts wkd 249Q, 64sect, all
states except 7 & 6C. "WOW"!! --- OH2BO/Timo "Fantastic" VS6, HCL, & W/VE "Pileup" - need OCEANIA
for WAC --- OKIATP/JARDA 49th Country/9LLJT!! CONGRATS!! Testing beam/339, vs, Inv V/479 - 14 states
672 Pts. Hrd K1PEW/379/0815 1 1/2 hr after sunrise!! --- W3IN/DON 23 Dx stns w/ an "24 HOUR" invisibl

fine/wire BEVERAGE across road and many neighbors yards - "netter 5 EUS I couldnt even hear on VERT"
W2BP/AL skd DX only - 10C-inc#66C PY/BHI & HR2WF & KCANI. Both of whom Al had urged to cover 160

W4BYB/VE1-JOHN just made it on w/new ant put up in snow storm, Inc 12, 135° radials!!
Got 599 1st contact KV4. Was mostly looking for good DX. wkd Vz, KV4, XV5, EI9, G3, GD, OK, OH, PA, PH2, ZF1. "Had a BALL"!!! -- VOINE/MIKE "Not too active - I'm not 'Stateside' emuff to bust thru contest QRM, or DX emuff to get in the "WINDOW". One trouble also is, a few CENTRAL and SOUTH AM. DX set in the "Window" QSY on Fy & Ws dive in - I didnt want to though - even with an excuse" -- (AVO and Tax a Mc Mike OG!!) -- G3UBR/PIRE & BOYS (Brunel Univ RC) 84 Ta QSOs w/new DELTA LOOP 100' up. "Wks UNBELIEVABLY well!!" (63 pts over 60' high dipoles. Disadvantage is that it brought up NOISE, but had a continuous "Pile-Up"!! (Pete - use separate receiving antenna, may help!) ---- G3RBF/A-Roger had new single El QUAD. Got out vfb but overloaded Rac Had to get attenuator - lost lot of time but wkd 24 DX stns Missed PY1RO & VS6DO. Back to studies w & Took ant down. Thinks in V may be just as good!! (This item was for CQ/160 Test-SERI) Sri !)

REFERENCE CQ/160 W/ TEST Jan24/5/6 JUST over - dont hv much dope on this. However The first night was poor, and the second night opened up VFB from Northeast USA to Eu - but not elsewhere vy well. Africa/Asia to USA poor. Nevertheless MUCH activity and New Country OH3XZ/% a happy suprise!! G/s/w Norman Smiths report is in - he hrd many W/VEs & EP2, 9L1, PY1, JULITU, KZ5AA, KV4. Tax Norman - VFB!!

COMING ARRL INT DX TEST - S3B?2nd Sect March 1/2 NOTE!! W1WQC/"HAM" sez vl be on fm VP5 w/excellent Rig. Will listen for AM and SSB. (HAM just returned fm DXpeditioning VP5/cadnt get out, VP2VZ/60, VP2LX Hrd & Old VELASJ, W4EX, K2ANR, W3OPL, W3BB, W2HCF, K2MEZ, in 15 min period - no ans- didnt hv gud

MISCELLANEOUS ITEMS MISCELLANEOUS

160 "TOP-TEN" DISTANCE RECORDS!!! (Tax to W5RTQ fr Fb computer wk!! (Distances given in MILES)
P2ZPUS/JA2GQO, 11621 approx -- W1BB/VK6HD, 11609 -- PY1RO/JA2GQO, 11601 -- W1HGT/VK6HD, 11579 -- approx. JALMCU/PY1RO, 11532 -- ZLJAH/G6GM, 11527 -- G6VJ/ZLJAH, 11467 -- KV4FZ/VK6HD, 11463 -- VP8KF/JALMCU, 11011 -- JA7AO/PY1RO, 11247 and!! No.11, W5RTQ/VK6NK, 10577. All are CLOSE!! arent they!! Any other claimants??? If so Earl says he MUST have EXACT Lat/Long at both ends of the QSO. Two exact QTHs in above table, not positive of. Earl sez "Most interesting to note that ALL "Top-Ten" QSOs had to hv sigs going thru Polar Zone!! (No doubt, mostly tangent to Auroral Oval)

WAC instructions !!! -- ARRL's MORGAN/W4WPL/A advises us that to Sept 3'74, 55 WAC's had been issued. (Dont have anything later/yet). K6UA's was the latest then. -- NOW!!! for "DX" to obtain WAC Certificate, note his advice --- "Amateurs living in Countries with IRAU affiliated Societies, should apply thru their local Society. Amateurs in Countries without an affiliated Society, but who are members of such an organization elsewhere (Outside their own Country), should send their applications to that organization for processing. OTHERS may send their applications to IRAU Headquarters at Newington Conn USA % Morgan. W/VEs apply direct to Newington. THX a Mc MORGAN for vfb WAC Job!!!

TOP LOADING FOR 160 VERTICAL ANTENNAS A 12' sect w/load coil available fm W4RFF/Bill for #34.50 for mounting on top of your 20' to 70' vert ungrounded mast, supported w/nylon guys. Write for details - looks like should be vfb for small space antennas/160

WORDS OF WISDOM FM W4KP/BILL Sez "Thx fr 160 "DX-BULLETIN". It recalls to mind the kind of reports I read 40 Yrs ago! In those days, I was much interested in the "DX-Chase", similarly, the chase after "La-Femme". Time, the great "terminator" has just about ended BOTH interests. I hv wkd the DX, and I hv helped propagate the Race. Today's time is for fellowship with all - especially, helping the younger folks along the way" - GOOD Philosophy BILL, VFB, BUT SOME of us still like to chase DX!!!

BULLETIN CIRCULATION Maybe you hv wondered how much?? Well, W1BB puts out approx 250 of these each issue (This one though vl be 300). A bit of a "Chore" getting 'em ready & mailing etc - but been at it since 1932 - really enjoy it everything considered, and consider it my small contribution, for "Good Old 160" !! And the friendships developed, make it "Well worth while" to me!!

SOME EXCELLENT and ALSO AMUSING ADVICE/COMMENTS de OH2BH/Martin!! Titled "HOW TO DX ON TOP BAND", or "Weak Gun/Weak Area". TOO lengthy to print herein, but if you're interested, maybe MARTIN will send you a copy!! OR see THE WORLD RADIO NEWS January 1975 Page 10 & 14 You'll chuckle, maybe be a bit "Piqued". It does contain "Words of Wisdom" - but some things should be explained to Martin. His PIX is there too - a real nice item. - and nice to see xyl Lenra and his vfb QTH by airplane!!

THOUGHT ABOUT THE "DX-WINDOW" which is provided for DX to give them a clear spot - so QSOs with W/VEs etc will be easier -- sooo shouldnt DX themselves cooperate to help keep the window clear??? They can help by NOT QSOing W/VEs in the "Window", or encouraging W/VEs into the "Window" - they could give QSY some other Fy OUTSIDE of the "Window". THANKS "Millions" to the unknown "Good-Guys" who patrolled the "WINDOW" during recent TESTS, asking W/VE "Intruders" to QSY - a GREAT service OM

SOOOOOOOOO....Guess that's it for this one folks!! PLEASE!! hold back now on correspondence U til middle or latter part of the summer - will be thinking of "Yall while in SOUTH PACIFIC!!

October 15, 1975

PYIRO/Rolf om

HERE (TIZ - "Kickoff" for 75/76 160DXing season!!

SINCERELY HOPE that you are AOK - havent heard hide nor hair of you on 160 for long long time!! You are conspicuous by your absence!! either you've gone "OSCAR", or are away on a trip I would guess. Anyway, we miss you a lot!!

ROLF I especially want to thank you for your participation in my suprise 160/AWARD this summer. **SEE BELOW** While I really do not deserve it, I have to admit, that it "WARMS THE COCKLES OF THE HEART" of this OM to be so kindly remembered!! However, I do not forget, that my greatest REward is knowing and working with such a fine fellow as yourself, and others, in this GRAND Hobby of ours!! THANKS so much Rolf, for this and everything else of your many kindnesses to W1BB!!

VKs really been burning up things this EQUINOX - have worked 12 of them. Two ssb/QSOs 57 & 58, ONE CW QSO 599!! Many 569-579-589 -- beginning to fade out now however.

HAPPY SEASON to you - and hope to b.c.n.u. soon

Stew
73 de Stew/W1BB
Marguerite (is VFB)

OCT 15 1975

W1BB --- 160 METER DX BULLETIN --- W1BB

1975/1976 No.1

Go W1BB/Stew CHEERS! SALUDOS!! BONGO!!! We're off to another 160/DX season - '75/'76. If the way the VKs hv bn cmg thru 579cm/57x2 ssb, this fall Equinox is any indication, it's going to be GREAT!! - Last, was 'best-Yet' fr BB. 62C/188Dx Stns. Nearest previous yr 460/152Dx Stns. We'll see what the lowest sunspots ever do for 160 - should be MOST interesting! MUCH Dx already active::: G, PA, OK, VE, AN6, ZL, JA, VS6, PY, EI, GM, KVA, KP4, Otrs -- many RARE ones expected, like KC4, VRL, VP2A, HB, DU, VP2K, FG7, PY -Trinidad, CE. JA2GQO/Kinji with new HP Tx, especially trying for W/VEs. Lots of gr and individual DXpeditioning. ALL Contests now cover 160. MUCH excitement! The special CQ & RARE 160 tests are "Superb"!! ANNUAL (since 1932) TransATLANTIC & PACIFIC "First-Timer's" tests (NOT Contests) again. Special OE/160 Contest Nov 15/16. Many unexpected "Goodies", no doubt at all! The "regular" SUNDAY morning traditional DXing is MOST intriguing, OOOO-OYJOs, producing many "new-ones" with "Thrills/Chills/Spills". MANY of the 'Boys' hv bn 'Sharpening up' their stns this summer - especially antennas, Tx, Rx, receiving techniques, etc. for the FUN! YEP, the outlook is GOOD!! SOOOooo... "Welcome-Aboard" and "Let's GO!!" W1BB & xyl Marguerite had a PERFECT 5 wks "South-Pacific", cruise/fly trip. Try for many greetings, well wishes, etc!! W1BB is VERY appreciative, though numble, for the wonderful AWARD for "Achievements on 160". A "Super", engraved PLAQUE with mounted BALL BEARING!! telegraph key, plus a beautiful, 2" thick, Red Marroce covered book, with close to 300 signatures and greetings from you, my 160 Dx friends, here, and all over the world!! Presented at a dinner at the "SHIP", Saugus, Mass. in July. WAHY/Baker, sponsor, handled the multitudinous details, doing a truly AMAZING job for you all, assisted by W9NFC/W2EQS/Chas. W1BB didnt deserve this magnificent tribute for the happy times spent DXing/160 and working with all you good fellows. Nevertheless I'm very proud and happy about the whole deal!! Thanks - "Million"!!!! CONGRATULATIONS to HERS/KV4PZ who has now made DXCC No.2 on 160!! #100 was TI9DX, Apr22'75. All wkd since 1969! NOW who is NEXT???? The "DX-WINDOW" has been working fairly well, BUT we need the continued and Constant vigilance and cooperation of all to continue actively to "sell" the observance of this concept to all the Gang, non-DXers especially!! Please!! This BULLETIN, issued FALL//INTER/SPRING, Free to all 160 DXers for an S.A.S.E.!! --Foreign, 3 IRCs/issue. TRANSEQUATORIAL tests this summer were fairly good - although they, and whole summer, plagued by an unusually high QRN!! Paddy EI9J Co/sponsor with Rolf/PYIRO sez Cndx poorer than 1st yr - like them he QSO'd ZP9AY 50 times, only ONCE this yr. 4X4NJ, EP2BQ, JY9FOG PYIRO, PT9DM, ZFRU, CX3BH, KV4PZ, VS8NF, LU6EF, PJ2VD, Otrs active. New TransATLANTIC "MARKER" OSN41/44, CW station abt 1831 m - (In addition to DHJ 1830) believe in Belgium - Checking, WSLRL is probably the most capable 160Dx sta air today. Superb Vertical 130' Trans Ant with VFB Ground screen/radials, plus MANY beverage (11-12) Rx ants, all out in wide open spaces free from man made QRN/noise/"Electronic-Smog"!! His "record" proves it - 78C since SEP/'74 - CW & ssb WACs = FIRSTS CT3, JY9, OH, 9L1 - CONGRATS WAL (Has become Beverage expert for sure w/many tests!!) DXing 160 should be a wonderful vfb experience for us all, even with it's frustrations, QSB/QRN/QRN, fickleness, Noise, aurora - it is a real CHALLENGE, giving a rigorous "TEST" to HAM and equipment!! But the real satisfaction is in knowing and working with the VFB "like-Minded" friends one finds on "Top-Band". 73 de Stew/W1BB

2nd ANNUAL TRANSATLANTIC 75/76 160 Meter "FIRST TIMERS" DX TESTS !! Symbolic & reminiscent of the original "Crossings" of the Atlantic by radio sigs of MARCONI, DELOY, SCHNELL and GODLEY, 1901-1924. They hv the FUN, also developing techniques on these L.F. & adding valuable info to the art. For MANY they were practically ALL the TRANSATLANTIC DX there was!! ----- Recent yrs, with improved equip, equipment, techniques, etc. 160/DX is more commonplace & routine. The usefulness of these tests is questioned. ----- HOWEVER there's MUCH reluctance abt giving them up, entirely. They serve as an excellent vehicle and focus for NEW stns, who hv svr wk'd across the POND, to do so, and chalk up a real milestone in their radio career. These TESTS give the incentive and assistance needed. ----- THEREFORE they'll continue again this 75/76 season basically as "FIRST TIMERS" tests. ----- All "REGULARS", "Old-Timers", & "BIG GUNS", are respectfully requested, pse spend the test hours looking for and wkg "FIRST TIMERS" only !! and doing all possible to help them!! The DATES are :: NOV 16, DEC 21, JAN 11, FEB 8. TIMES :: 0500-0730 gmt. FTS :: W/VEs 1800-1807. DX 1825-1830. PROCEDURES :: W/VEs call "CQ FT DX" or "FT DX" first 3 mins each 15 min period, starting on the hour. Then listen 12 mins fr answers, or "working". DX "First/Timers" ans W/VEs or call "CQ DX FT", or "Work" during their 12 min period. --- KEEP to the 3min & 12 min periods all possible. SET CLOCKS accurately/WVV. These are "TESTS", NOT Contests. REPORTS to WJHB. SUCCESS to "First/Timers" and WVV to the O.T.s!!

SPECIAL 160 METER CONTESTS !! OE/AUSTRIAN - Sat Nov 15, 1800z to 0600 SUN NOV 16. Call CQ/OE. OE 1823-1838, 1854-1873, 1879-1900. Exchange RST & Nr starting 00L. Points, 1.QSO, MULT 2/OE Dist, OE1, 2, etc. SCORE PtsxMult. "OEVSU" Award Cert & Pennant to Top Man Each Cntry. Logs B4 Dec 13 to OEJVP. DONT FORGET CQ/WV/160, & ARRL/160 Annual 160 tests; CQ Jan 24/25. ARRL Dec 6/7. See Mags, full info.

KVAFZ/HERB ABOUT HIS 160/DXCC Ssgs: Wkg 100 was not easy, since didnt go in much for 'Sheds', or prearranged calling routines etc - just a lot of listening - a good QTH - excellent condx. Every C in NA wkd except HF, POS, IE4. Every C in SA except CE. Evry available Nm except Market Reef, LI, M1C2L No.100 was TI9DX April. Looked like wud svr make it but sun real FB openings this yr and I made it!

EI9J/PADDY ssg :: "74/75 season gud for all. More stns on due to FT10ls etc. ARRL/160 DX not best, but hrd K6CA/S6!! CQ/160 inter/Eu gud, but to N poor, except last few hrs FANTASTIC!! BEST ever!! Hv feeling more sb in DX Window becauz often Gud N sigs he but no ant CQing wld raise em! (One way sk?) (QRN?) If cud move WINDOW to 1800-05, then 1825-30 not 'bone of Contention'. I stay close LF of NJ. (Sharp Rx needed to separate). Wkd 3 - 5s in row one nite. G3AAQ gg press for FOC 160/activit period. Missed ZPQY, PY1RO ssg wkd 10 JAs (also interested in OSCAR!) VFB Paddy - Tax a lot - G.L.

CONGRATULATIONS MARTTI OH2BH - fr most unusual/unique IBW/Computer QSL Card!! WJHB Rec'd for ~~RECORDED~~ OD5IQ/160 Q. In CQ/WV/DX 1974 Test Marti made single Tx/Multi Op WORLD RECORD, 3100 Qs, 4 million pts. OPs: OD5s, HC ET HD HF & Marti. K1PBW/1 also Rec'd "Computer QSL". Martti, World's Record holder fr CQ/DX/CN&Phone TEST, gave us 160 boys sun "Words of Wisdom" when he advised us to use QSK more regularly. TRY it!! It works!! VFB Martti Saludos!! Is nw planning more exotic spots on 160!! Tax/PB

SAD NEWS!! ARMIN/DLFF BECOMES "SILENT KEY" MAR 10 '75 fr heart attack in hospital, per notification by his daughter BIRGIT. His equipment, certificates, logs etc given to DARC with assistance of DJ2KL. ARMIN was an ardent all-band HAM - but his special love was 160, and his signal and expertise were POTENT - he worked many ~~NUM~~ JAs his last few weeks. We'll all miss that familiar fist sending DLFF so assuredly. May he rest in peace, and with "Happy Hamming" always!!

REFERENCE PASHIP/Willem: John/G3PQA (4W1AE, WP4BJI, VP9GT) visited Willem & xyl, Feb '75 - Ssg: -- "Excellent QTH w/ nearly perfect earth & "Take-Off", (On old Isl of SEELAND), showed why his QRPing is so consistent. Ant semi vert end fed 1/2 Wve. Middleburg/Flushing towns are beautiful!! 5' below sea level - massive structures keep out sea water - no worry abt then keeping out storms - feels vry secure!!" Tax John - Congrats/vfb Willem. That signal of yours SURE IS "Consistent".

PASHIP/Ger R1s ALSO "BELOW SEA LEVEL" in ZUIDERWEG, Netherlands. 160 since 1974/DEC dwn fm HF, wkd 22C w/10w & Inv Dapels fm 50' tower evr well known Polderfields, typical Dutch, w/ground level 12' below sea level. EXCELLENT Grnd system. Has SE/NW Beverage. Wl try otrs. Welcoms to 160 - VFB call

CONGRATULATIONS FRED LAUN LU5HF1/W9SZE on wv receiving US SECRETARYS AWARD FOR VALOR!!!! for valiant performance and conduct on your part during and after terrorist kidnaping and shooting of you in CORDOBA Argentina APR '74. We're all proud of you as can be!! NOW - back to 160!! b.c.n.e.

ALL SOLID STATE WICER/DOUG :: (ARRL Tech Ed & SP6EU/ZP1ST) After 22 yrs returned to 160 Feb '74 w/ Homeade all solid state equip. Tx per NOV/QST. Rx in JUL '74 QST. 55' tower top/loaded w/beam plus 53' Her wire & ll, 120' Radials, swampy area. Was ZP1ST/CAYMAN Oct '74 w/FT10A-B & hopes for BARBADOS SP6EU or IS this OCT. GREAT!! Nothing like "Keeping up with the times" !! CONGRATS Doug em:

SINCE EP288 adopted PY1RO/ROLF's IDEA (Bottle of Champagne for each "New One") Harry's xyl Maureen adopted such a bad idea! They "Toasted" "New One", PJ2VD after CQ/160 test! GREAT!!

(GJFNF)

CONGRATULATIONS JI9FOC/*RAY*-FOG 55A Active "Off&On", esp fr TESTS did FB job giving out "New-Ones", esp to Eu's. Jan25/6 4X4M, EP2BQ, ST2AY, DJ5PH, Many OKs, OKZBO, OH2VV, DL7HA, GM3ICE, DJ4YD, DJ6TK, OD5IQ, many Otrs. *BINGO! Band opened to MA APR6, wld W6BYB/VEL, W6SAPH, W1HGT, W2DEO, vfb w/sig mostly 579!! GREAT!! except (tears!) W1BB on SOUTH PACIFIC cruise & missed!! --MAY18th Q/GDSBEG. JUN21/22-PA/SHIP, OH2BO, OKs, G3SZA, OLI and!! "At long last" Paddy EY9!! Ray used KR2000, 75w, 286' W. SO TO REPORT, Ray went QRT/ST9 SEPT & Retired back to G. land. No more exetic DX QTHs fr Ray. (Bl remembers QSOing Ray fr ZD7PH 1966 fr G89!!-Tax!). CONGRATS to Ray fr GRAND TRICK at JI9FOC

K5JVF/DAVE "Hits The Jackpot" !!! -"Five NEW C in ~~XXXXXXXXXXXX~~ 3 nights!! 24JAN/G6CJ a "FIRST, EVER" OKIA, Eu!! - GM4BEG by 579!! JAN25/7P9BO, 'Heeray', G8SV!! JAN26/CPIEU. W0K!! Biggest Thrill ever fr me on 160!! After 40yrs, thrills like this in life, few & far btwn! BIG weekend for OKIE!! CONGRATS

INDOMINATABLE SPIRIT/MIKE-GD4BEG JAN, Bad Auto Accident - lost lots blood, plus one eye! BUT!! was promptly BACK on 160 "Working DX as usual" --real admiration for you Mike. You have "Pluck" !! ST2AY/ROGER HAS DONE EXCELLENT JOB PUTTING SUDAN ON 160 DX MAP!! 1975 Qs 9LL, EP2, W1-2-3-4-8, FY, JA, VS6, JY9, 4X4, GD4, 4UL, GC3, HB9, OH3, PA/GW3, OE5, G, OK, D8. Ses" Q w/JA6NGE noteworthy as 'opening' to JA was only abt 5 to 10 Mins" !! To date 26G, 6Cont - Great Going!! (W1BB's No. 121C - Tax a "no" !!)

SOMETHING DIFFERENT - "MOBILE DX" on 160 - by WA4SGF/EM, wld 170, latest GD4BEG FEB16 579x2!!!!!! Ed sez it's cozy & warm & fun!! CONGRATS!! ----- (K1PWH/Ernie 2 yrs ago mobilized across USA - wld sum NA/SA DX) ---- One nite Ed put down RADIALS from car while parked mobile, then started driving off home with them trailing - completely forget them!! ----- AND!! K9ZUE/w-Tom is close to a "FIRST-EVER" "NAS-MOBILE" 2xPhone!! Needs only Me. Ri.Vt.Del.SD.CAR.La.Nev.Cal.Ore.Mont.Utah.KL7, KH6. Can any one help him?? Tom Berry - 1637 W35th St Chicago, Ill. 60609. Write him!! Wud be REAL "FIRST-EVER"!

76/75 SEASON'S LAST "FIRST TIMER'S" TransATLANTIC TEST No. 4 * Real Good! Fair to genl Condx. FIVE stns made their "First-Time" CROSSING. OK3BGM, OK3OKFF, OK3WNT, OK1KM & G3YRA. CONGRATULATIONS!! Definitely proves tests worthwhile. Not listed, GD4BEG wld one w "First/Timer". (Lost his call).

ALAND ISL. DXPEDITION - OH3YZ/d-JORMA - (CQ/160 JAN75) VERY successful! BFN Ses; "Wld" lat ever" w/OH6-W6SAPH. Also: W1BB, HGT, PL-K1PWH. W2LL-Wa2SPL, K4IRQ. Gld 20 otr Ws bt nil. Otr DX wld: ST2, 4X4, EP2, KV4, VO1, VEL. First AM Gld W1BBW5RTQ both S9 evr hr "Nil"!! Cld VS6DO-599, VK6HD-229, HCLIG-599, XV1OB/599, KZ5AA-569 for hours - "Nil". Hrd W6 & W7 vy weak. Fet nite dipole 30' high - 2nd nite 130' atop Radio Beacon Mast over salt water. Drake B Linear (10w out). Hope to go again!!

WA4 TEN HOURS de OKIATP/Jarda!!! JAN24/25, 1925s/VK3CG, 2207s/GG3ZEM/p, 2212s/EP2BQ, 2259/ST2AY, 0453/KV4PZ, 0525s/PJ2VD. CONGRATULATIONS Jarda!! (QUICK WAGs now stand -- KV4PZ/8 hrs, OKIATP/10 Hrs W1BB/18 Hrs, W6SAPH/2 Hrs almost but not quite - missed one!! - ANY OTHERS????). Jarda now 660w/VS6DO Feb14. CQ/160 Test: 227Q/25C. Scores '73/346-'74/700-'75/48,638!! VFB!! Hrd JAS/no QSO. Ses in OK, 1800-06Ke, even fvs QRN'd. Suggests we use HALF Fys, 1e 1800.5, 1801.5 etc. TNY!! G.L.

WHAT HAPPENED??? FORMER "GUNG-HO" 160 DXer W8GDO/WILLIE - NOW INACTIVE. Ses (May '75) "Fr sum reason unknown to me, Just cant seem to get on 160 anymore. Since closed my own biz, went wk fr W.E. dont seem to hv time, or interest. Even had to give up gg HAM meetings. Guess it's just when I get home fr fa shp where I'm asst Supvr lot women assemblers who solder & finish wire, power supplies, inverters etc, I just eat, read paper or Mag then I'm ready for bed early, get up 4.45 AM, then "fire-up" a 250 B.C. str & tower array on 1570Kc and on my way bk to LORAIN to W.E.. W8PHE wks with me - he is plan 160 activity. I did wk K1PWH/MOBILE 73/74 season". -- Tax Willie, we wondered - missed you, now UNDERSTAND! ----- FLASH!! Sep/'79 Williw sez "May get back this season!!" 75/76. GREAT!!! BCNU. (Wonder what has happened to W2IU/Sam???? - anyone knew??)

"UP TO HIS OLD ('67-'69) TRICKS" W2RAA/BA wld Chicago at NOON w/39RIC "Old Buddy" to resume his 'Daylight Dx' on 160, Ed wld (I believe) 800 Miles Daylight Path. (Anyone done better?). Ses his 1974 QSO with W1BB on SSB a "Collector'd Item" - BB on sb as rarely. EC ex ship's "SPARKS" yrs ago

SHORT ITEMS : : : : : Wb2JUM/Tom hit his 1st 160 Contest, the ARRL/160 for 70,547Pts (31 Hrs) and CQ/160 Fr 42,640 (17 Hrs). NOT BAD!! CONGRATS. Moving to Wash DC, near W9SZR(LU5HFI).

THAT "JOKER" AGAIN masquerading as ST2AY wld quite few of us. Nw has used VS6DO to wk W5RTQ & Otrs. Sum guy w/QRP & Variac to make it QSB. Sounded like authentic DX!! W4HYT/BAKER'S NEW VERT wkg vfb FEB Q'd 1st EU, G3SZA & All States except KL7!! Also HC YV, KV4, VP9, KZ5 & Otrs. GREAT/CONGRATS!!

W5SUS/JOHN bn vy QRL wk & Not much 160. Bt Nw QRV w/new T4IC & VFB vert ant. Hrd JA3ONB twice!! G3KVI/PHIL active agn w/new gear & Vert 120' ant w/50 Radials and!! 1000' Beverage (S lucky People!!) Wld VS6DO CW & SSB!! CONGRATS! G6BQ/JACK OT FEB15 just got bk fr 2 wks in hospital - eng along fine - grj jack on Gld wr bk on air!! ALMOST A RECORD "QUICKIE" WAG by Wal/W6SAPH(W8LRL) during arrl/160, wld 5 sent in 2 hrs - could hv wld 6th by wkg KH6 BUT never thought about a RECORD until AFTERWARDS!! (Next time-Wal em)!! Wa9UE*/RAY has 30C/30qsl'd. GREAT fr mid-west area - eh what????!! G3ZEM/BOB built himself new QTH #1 B on fm there 75/76 w/fb R&Tx ants. Hrd VS6DO twice, 1/2Hr each/no Q. QSO'd JA7AD/Tek DEC30'73 for FIRST EVER ses G/JA QSO!!!!

THE "ALL 160 GUY" JIBB's weight averages 160 lbs month after month - believe it or not!! Psychological reaction!!!! SORRY!!!! 9LJBT's QSL/Mgr is N3HWK (Not N3HX per Bull #2 Last) SRII PATIENCE and PERSISTENCE WINS!! (And How!) G2HDU sez of QSO w/WIBB, arrl/Test: "My FIRST # on 160 in 35 Yrs hamming & Much trying!! Congrats Mick OC! OJAMA/KEE MARKET REEF hopes B on age this season - CHEERS!! GMSYOR/DREW has 28C Nw. Uses Yaesu FT101B w/Dipole at 30'. (During CQ/160/JAN he operated GMADN/A on top read fr 65,835 Pts!! Cdx Excellent!! w/ Heath SB1c2 & HB T-ansverter. KPAAR/FITZ "Faithful to 160 all summer but pickins mighty slim - altho every once in a while DX would pop in! MANY times DMJ POUNDING thru, BUT no activity! (BB noticedt too!). Has hrd by ZL2BT, Nkd VR2AHK!! Is on 0200 & 0100z, 1803/5 Kc Daily. QSL 100%". Excellent FITZ on!! 60 COUNTRIES on 160 by DON/#3IN - CONGRATS!! & Nw ready fr "Special CQ Endorsement on DX AWARD. #60 was FY7AA, VFB!! RALPH WINGOT CONTINUES TO ROLL UP THE DX!! MAR/APR include luscious ones like HB9QA,OKs,G3,BL,ZF1,PY7,HK4,KZ5,COABC,WABGU/JG9,9L1,FY7,KH6,PY1,PZ1,GB,GD,JY9,VE5,KL7 etc. GREAT!! CONGRATS too to Ralph for most EXCELLENT job he does on 160 page for DXers Mag!! W2DEO/JIM hits 72C. (See #200/3 John has 90 but vy 'modest' abt it!!) CONGRATS both!! OK3YDO/Edward #KD '74/'75 -JY9,4W1,KV4,OH,ST2,OD5,OH,VE,EP2,AX4,KZ5,VOL,PY1,PT9,KP4, plus W123458. NICE SEASON!!! W4RWB/Gene Hits 80C w/TI9 & PUGYS - VFB/CONGRATS!! Really "Glimbing" !! GEYLON-4S7GV/GLENN expects B active 75/76, 2330-0030 Daily 1800-1805. MAY15 hrd OKIATP,GD4BEG,HB9NL. Has wkd VS600 !! FINE!! K3JWW/GARY going "Great-Gums" on 160. Almost WAS. Hopes to mount DXpedition to XE!! Luck!! VE5KU/GORDY need only AF fr #AC. C' anyone help? (Also only needs AF for #AG via OSCAR!!) Has 75KV per line problem nearby bt wkd VK5BC,VK2AHK AUG. CONGRATS!! DJ3BJ/WILLI Nw 34/32C & WAG!! Inc VS600,CPIEU,ZC4AR. VFB!! "Sez: Eu entries officially allowed on 160 are DL,EI,all Gs,HB9 & Ø OE,OH,OK,PE,ZB2,4U1,9H1. (NOT OZ) Tax!! OKIATP/JARDY 63/54C Nw. CQ/160 40,638 pts. Congrats!! HA/swi-JANOS JAN1-APR13, Hrd #6BYB/VE1,WIBB,HGT-W2KHT,LL,PV,EP,RAA-W3AU,IN-W4DQS,JFE-W5AOR-W6BAPR-W9NFC. TNE!! Fb! K5JWP/DAVE moves fr OKIA to TEXAS - only has 60x120 lot the & tta not gud!! (Fr 160) BUT best/luck Dave. He NEEDS TI9DX QSL info-Pse help!! Nw has own 2/way FM, Co.!! K2GNC/BILL experientin' still w/ diff ants & w/gud results - Nw 70C. Has NOVEL way of grounding outer end of each radial! VFB/Congrats #6BYB/VE1-JOHN fr DEC7-May11 wkd 172 DX stas, 44C,5Cont. FINE!! Has new 3/4 Wve Inv L w/48, 135° Radials. Took VFB Summer trip COLO,VANCOUVER,NEV visiting W5SUS,VE5KU etc! Nice!! OH2BO/ILM sez Cdx gud this summer, but QRN - wkd PT9DM,AX4NJ,JY9FOC. Looking fwd '75/'76 - BCNU!! CONGRATS W2DEO/JIM 71/71C and "Glimbing" !! Luck. G3RNL/Richard, (EI4AP,VP2AGA,8P6DR)hopes to travel again fully some EXOTIC DX spot!! Hope sell. VE1MK/HARLEY '74/'75 1B New G, Nw 50/34C. Hrd but admr rld#CK3BH (No one cud!) Vy Vy QRL wk Nw, bt bk to 160 Soon!! CU! PA#HIP/-ILLEN NON has "DELTA-LOOP" on 160, and first results VERY GOOD!! (Put a 599 sig into BB recently). #8LRL's SEASONS RECORD 70C & 210 Diff DX stas!! NON(Latest "Flash") 78/78C EXCELLENT!! (Like I sed - this stn has "Capability" !!) AND Performance!! WIBB was most pleased and honored to have FOC's "GRAND 'OLE MAN" Bill WINDLE -(Pete Windle HGLXG's Dad)- visit WIBB "Tower" & Home QTH this summer - he LIKES the TOWER overlooking the ATLANTIC OCEAN, from which he could almost SEE home to G/Land!!

WEST COAST --- TransPACIFIC --- FAR EAST

PI1I/ED2(VR2)-(G3FOA/John) HOPEFULLY TO BE ON 160 '75/'76 season sez:"Looking fwd to oprtg DX fr such an exotic QTH!! ORD JUN/JUL. Stop in USA to pick up DRAKE rig" GREAT!! Roger. U'l B popul
8th ANNUAL TransPACIFIC '75/'76 160 Meter "FIRST TIDER'S" DX Tests - (Because of Low Participation, ^{COULD BE} omitted in 76/76. However "Some of the boys" thought they should be tried again, and so "WILL-DO" !! If results are favorable and participation up, they will be continued, if NOT, then omitted after this year. They will be held ~~NOV15,DEC20,JAN10,FEB7th~~ NOV15,DEC20,JAN10,FEB7th from 1330 to 1600 GMT Saturday Mornings. W/VEs 1800-1807, ZLs 1875,VKs 1800-1805, JAs 1907.5-1912.5, KH6 1996-2000. Others 1800-1805, or the "DX-WINDOW" 1825-1830. This is 5.30AM to 8.30AM Saturday Mornings, PACIFIC COAST time, and 10.30PM to 1 AM Sunday Mornings Japanese Time. Similar to the TransATLANTIC tests, they are set to embrace SUNRISE at the EASTERN end of the path. LORAN is quite a problem, especially with JAs but has been coped with quite well with selective receivers. The new DRAKE R4C is excellent for LORAN. These tests originated in 1967 after WIBB's visit to JA & talks with JA Boys who are very enthusiastic to 160 BOTH sides are doin' so well with weekly DXing now however, that maybe TESTS unnecessary???? LUCK!
R6CHE/JACK WORKED 9LJBT Jan29 07152z. GREAT!!/CONGRATS!! NOW trying for EU. A Resounding "FIRST-EVER" NHD to AFRICA. --- and Jack as KP6AL/Paleyra-VR3AL/NORTHERN LIKE ISL sez operation produced by Fed 1. Q -"Trble seemed lack interest on W/Coast. Wkd all hrd - W6,7,KH6 Etc". VFB Jack nevertheless. Next time w'l try get notices out earlier, fix up skeds etc. Keep up the good work Jack!!
KODIAK ALASKA,"CASEY"/K170GH got frozen in last winter, but nw making gud progress towards NW' qth & rig independent of power lines. Is QRV & hrs stas he cant wk/ many times AURORA bad! M:R23 5am hrd VK5ND OP.7pm DMJ 57 bt nil elsewhere except wkd 4 JAs. April Cdx lousy bt hrd UE #7LNG & QZL
JA2SYG/---"TOK" WAN voyaged JA to Chili, MS"DAMPNER NARU".Listened fr E Coast USA/160. Cdx poor &

"TWO-ISLANDS EXPEDITIONER" K2FJ/Ken had GRAND 20Wks all-band "DO" in Caribbean FEB/MAR, Anguilla/VP2, Dominica/VP2B during ARRL FEB/ON/TEST & ARRL/MAR/Phone/TEST, plus betweentimes. 160 QSOs: VP2B/29, VP2K/41, VP2D/K2FJ/52, VP2DX/3. (ALL bands, both Isls 4206 Qse!!!) Gang Vy appreciative this 160 effort. Tax Ken. Sen: "DOMINICA most beautiful QTH-on sea/southern Tip/Scotts Head. May be interesting (Sens hair-raising!!) experiences. EXCELLENT fresh food-fish-fruits. Scuba diving etc. \$25.00 fr 1Yr VP2BEC License. Disappointed th ARRL increasing DIOC to \$10.00, especially hard on us Xers!! A most interesting/rewarding trip !! QSL wk was VY HVI!! CONGRATS KEN and YX!!

LOOKING SOUTH

BASILIA PT2FRU/Maurice ACTIVE Interest started '74 - Had E19U Cqing! First, wld w/ Oswald PT9DW New own rig BC348/150w Heris Dipole. Studying electronics. Hopes 400w soon. on 0100-0400 Sat. VYB1 CONGRATULATIONS PYLRO/BOLE 7170C!! Last ones FT8, 635, CT3, FY8, ZP7, ST2, 9LI, EC4, P21, HCL, FY8, QD6, VY9, 0L3/P, K25, Y36D0!! "WAS" in at 43 states - needs WMT, NEV, SD, ND, New/Mexico! Anyone help!!! CONGRATS

INCREPID EXPEDITIONER PY7YS/JOE (PY8YS & PY9YS) plans 160 operation fr PRINIDADE, & ST ANTON/ST PAUL ROCKS, "Reas Atel" this season. WONDERFUL & Tax - boom Joe. (Tax Case #48RS interesting Jee! TRANSQUATORIAL TESTS de E19J PADDY: "Pylro major publicity effort (& Paddy wrote many stas) activity high at beginning, but tailed off becuz poor condx. 1973 fr example, Paddy wld 2PMAY 30Q, but this yr just once. Actives: 4X4NJ, JY9FOC, EP2BQ, PYLRO, PT9DH, PT2FRU, CK3BH, VP8EP, KV4P2, LUNEF, PJ2VD, YELM. Think we need sunspots like other bands!! Anxious fr NOV & Btr Condx! Happy season" - Tex Paddy.

NOTES ON CQ/WW/160 ANNUAL CONTEST!!!

de W1BB/Stev: VFB as usual. First nite poorer. Second excellent some sects. DI favored N.E. latitudes to NA/SA. - Af/Asia to NA peer. MUCH activity. "Had a Ball" myself. WBBQ 128Q, 26C, 51Melt, 64, 06t Score. New C CH3KZ/8, a happy suprise. 43 States - "WAS" mines 7!! de 49RTQ/Earle: "Best ever cdx- Eu fantastic, best EVER hrd/Wld 11 Eu. Cdx S.A.P not good. Missed JA3ONB utre were slg. I hv always suspected 'skip-Zones' certain areas such as VA skg Eu & Russ cant hear. (Yes!!). My 316, 70M, 21C, 59, 920Score. VFB/Congrats!! de W6BYE/VEL-JOHN: "166Q-18C-59M-77052P. Tre new C - sure had FUN, no QRM, bree sed thru 2 nites in btr cdx than expected. New 27C total? Excellent!!

de VO1KE/MIKE "Pretty gud. Cdx fr stinks to Excellent, a real "See/Sar". Excellent to EU. 3 New ones CH3KZ/8, VP9, YV1. 23C Total-Cheers!! de W4PL/JIM: "2nd nite gud! Hrd GN, GC, s bt couldnt br break thru unbelievable pile-ups! JA had loaded w/ sunrise. JA3ONB best w/many weak ones. Wld FY 01, HK4, KP4, KH6, YV1, VP9, K25. Nw 55C!!" PB!! de EP2BQ/HARKY: "Pri Bus but weak/QSB. 0130 Wt br br. 1ly. 1BB, 4BRB, QCN & PJ2VD/No Q. -- SAT/Sunset no JA/VK like last yr. 2140 wld PYLRO-2200 JA is & wld JA3AA, JH, 3CIZ. Then 0345 suddenly Q PJ2VD/New One. Struggle to wk EUs. Generally disappointed TEST but QRV Nxt Yr!!" FINE!! de G3JEM/P-BOB w/G3IVY/Phil: Racked up 390Q, 8500OP. NOW!!!

de JY9FOC/RAY (FOC 554) w/FT101B wld 4X4NJ, EP2BQ, ST2AY, DJ5PH, Miami OKs, G3RBP/a, OK2BO, OH3VY, DL7WB, GM3YCB, DJ6TD, DJ6TK, . HRD Wa 0400 apprex but couldnt wk. W1BB 569 fr hour. "One Way SHIP"?? Congrats Ray - eri you have left JY9FOC for good!! Nice "Exit" however. de G3SYL/CHRIS: "K1P, W6SAP, W8LJI Most consistent sigs. Like idea wa giving QSI Ty. How does W9RTQ get his sig out of Texas so well?? (See QST Oct '75 p22!!) - DI-WINDOW always clear Hr. If anyone wants recording of their sigs, write me, willDO!! Wld TY2, YL1, OH2, 4X4, EP2, QJ8, 9LI, K25, KP4, W123456 & Otr". VY QW!!

MISCELLANEOUS

REPORT ON "The "GRID-O-JECT" mfd by N.E. ELECTRONICS W1VY/BILL PO Box 145 Weathersfield Conn 06109 a \$25.00 (Apprex) TOROID, Externally Connected ON AUDIO FILTER, per QST May '74 P23 & FEB '75 p50 Also Sen "to eliminate continuous random unwanted disturbances, audio hum, hiss, etc from reaching operators ears, headset or speaker" Has been in use at W1BB for 1 1/2 yrs. -- It IS quite a "Gimme" - at times invaluable in fighting local noises. NOT a "Cure-All" for copying weak signals through anything, but it really helps a LOT - especially with sigs of moderate strength. Does a pretty good job on static!! Have been able to copy and work some 160 DX signals with it that I couldnt without it. A real help!! Something you dont use ALL the time, but switch it in when you feel you need it. And it works!! (SSB Model available for abt \$30.00 - hv never tried one on SSB - no comments).

160 METER "MACs" The following, in order, hv "Made it" since last listing. #52-W6SAPH May1 '74-K6BA, PY1DVG (PYLRO)-524KL-W2DEO-JAG, 3AA, 2UBO, 3ONB, 7NI, 2GQO-OK1FCW, GMAAGG, G3SZA, DK3BJ, 9L2JT-JAG, G6GE, 3FHP, SDQR-GM3KRB 8APR75 Last & No. 72. Of special note W6SAPH/Wal (W8LRL) made "FIRST-EVER" 160/sep/MAC!!

160 METER READING MATERIAL See '73 Mag JUN '75 p43 "An intimate look at 160 meters" By "Randy"- #27/W8LJY. EXCELLENT!! --- Also Oct QST for OK1ATP/Jarda's story about his Inv VEE MEAN!! Beaut!

FEB 9 TransATLANTIC TEST REPORT de sw1/HA5-153 (HA3JK). Hrd many EUs but only VE1BCZ "Across". Tax faithful coverage James on - best luck this seasons 160/sw1. Your reports EXCELLENT/Interesting.

ABBREVIATIONS USED HEREIN: C-country, Q-QSO, QSOs, QSO'd, SR-sunrise, SS-sunset, S-state, states. M-multiplier, K-contest score in 1000s points, P-points total score, H559-his rat, H579-hy rat

WORK!! BUT!! Hv run short of space!! HAPPY SEASON to Yall. 73 de Stev/W1BB! B.C.N.U./160

2/16/76

PY 1 A O
"Fult"
Here
2
see 85

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop - 02152 - Mass.

NOTE TO Peter's Radio
FOR 2-2 CAY, m/s
say obsolete + offered
2 9C But didnt give pin space
2 9S Em h
Have written to see if
pin spacing same as
Hope New 9TH coming
Along ok
73!
for

February 1, 1976

W1BB --- 160 METER DX BULLETIN --- W1BB

'75/'76 No. 1

de W1BB/Stew What's YOUR appraisal 75/76 160 Condx? Comments run "Fair" to "Super". Depends, believes, on your QTH, fickleness ionosphere, directional skip, LUCK, smartness to be on at right times!! W1BB feels some better than 74/75 which was good to EXCELLENT! We've had periods of LOUSY Condx, then fair to "Super-Super" openings!! Last season BB wkd 460/137 DX Qs to Jan 23. This season 530/133 Qs - Close-Bh? "Super-Skip" seems better!! KR6CHC wkd GM3YCB Dec 31 clinching WAC!! Also noteworthy becus 3/way w/NE1RL!! JAN 7 SUPER opening w/coast fm EU - K7LFY, W7DZO, QID, IR, DOL/6 - W6DAO & Otrs wkd G3SZA, OK1ATP, PA3HIP, & Otrs. DHJ 15 ovr S9! Tex to Cdx and DRAKES, YAESUs, many are all lag DX LADDER faster! 160 newcomer W9GDE 420 in 1/2 season! Altho DXCC/160 still comparatively slow wk! W4BRS 920 w! Svrl Otrs close behind. (or ahead?). NE1RL made WAC in 2 hrs Jan/CQ/160, really skinning KV4P2's SHIP RECORD!! w/AZ1NJ, ZR2RV, PY1RO, OK2RUV, AA2SPL, KR6CHC. WOW!! Station capabilities increasing w/New Rx & Tx Ants. K1PEN/Ernie more potent than ever w/New 120' Vert and Seeds/Radials & remote beverages! OK1ATP's 160 Beam-QST Oct 75 "Fantastic"! Congrats Jardy! W1HGT/Ralph must have a "Secret Weapon" the way he 'drags 'em in!! GM3YCB, PA3HIP, GD4BEG, G3SZA, KV4P2, Otrs making outstanding records!! EXPEDITIONS flourishing - Tex DRAKES/YAESUs !! - W2DEO/WPLXJB, HB9NL/HB9, W43HRV/WP2DX, VE3s-GMT, IAA, NJ, MS/WK9AVY9 a notable FIRST EVER!! K5CH, W4YCO/PJ8CH, W6AIB/9Y4NB, W9UCB/HK9BKK, W5USM/YN1DN, PA3HIP/LX/P and EA8CR/9 too more resounding FIRST EVER!!!! W1BB w/EA8CR/9 Nw 1270 Jan 26!! Otrs: YEP!! 160 seems more intriguing, fascinating, interesting, than ever!! Some beware big influx new stars to 160, saying too much "Dog-Eat-Dog" RAZMATAZ tactics eng fm Otr bands spoiling it's reputation as the "Gentlemen's Band" Let's try educate the newcomer OR?? Same as we work on DX WINDON "Intruders". Really, our effort there HAS paid off! Not perfect, by any means, & requires continuous work by us all to keep it in shape. But Frexample svrl nites, all night, this season BB didnt hear a single intruder in the "WINDON". One "PROBLEM" however, is during contests, the "Old Hands", who should know better, who operate in the Window, setting a bad example for others. Quite a few communications abt this. HOWEVER!! let's ALL keep up the "GOOD/WK", in a friendly/persuasive way, which will benefit us all!! Special TX to the "Unknown", Sta/Stas, who do so much to help keep "WINDON" clear during Contests!! I'm still "Basking" in the "Big-Eyes" of my 160 DXing - the "160-awARD" all you good fellows so kindly presented me!! (Per BULL No.1) -- again, THANKS most sincerely! and a special word to W4HY's lovely mother ETHEL, who did so much excellent detail work, addressing, mailing, sorting, arranging. Truly a DEDICATED HAM's "Mom"!! Tex & 88s Ethel!! See Bill ORR's (W6SAT) vfb 160 antenna info/article Dec 75 CQ!! Let's keep an ear on 160 for "STRAIGHT-ARROW" Pendergast!! Fellows!! I'm really sorry that this bulletin doesnt come out better copy/legibility than it does. Have tried many things, but have to do the best with what I have now. Even other typewriters dont do as well as this old one!! Getting 350 copies cu off my "Lill old "DITTO" machine is a "problem" !! But we're always "Trying to do BETTER" !! CONGRATS to George Jacobs/W2ASK on his FB "Mail-A-Prop" bulletin - hits the mail on the head 99% of the time, and doesnt neglect 160!! (PO Box 86-Northport NY 11768). CONGRATS W4BRS/Gene "TOP-BAND DX ASS'n" helping get more Stas/Countries on!! GANG!! for "TOP-20" list - send your

DXCC wkd/CSL'd list to 4187. SO 1000000 Nos we'll "Let the RECORD speak for itself" on the

ANNUAL TRANSATLANTIC 75/76 "FIRST TIMERS" TESTS ----- TEST #1 Nov16: "Washed out" by very poor condx. Not one FT made it across. Only OTs G3SZA, OQT-DJ9MH, ARW-OR3SCA-MB9RM Hrd weakly. VE1BCZ "Condx worse ever Hrd!!" N/Vs participation low. TEARS!! Btr Luck next time!! ----- TEST #2 Dec21: Took place during very northeast storm on E. Coast. Lots snow/static & rapid QSB bt condx gud w/ DRJ 599! OTs Hrd. Gs 3JMS, SZA terrific sig! YUV, LIQ-5WP-6CJ-PA/HIP, GM3YCB, GD4BEG, EY9J. W1BB; Hrd 59 line noise due storm/4Caph blizzard at "tower" - car trouble - almost STRANDED there! VOIKE wkd FT GD4BEG & FT G3GJL 33k. Cheers/congrats! -- VE1BCZ Hrd 3 FTs & 15 OTs Dx Gud. Wkd OH2BO & G6CJ after 0730. YB: JANGS/Baf-142/swl - 73yrs young! - listened intently Bt Nil Except EU. Two 3000meter Mts in E/W part his faithful reports year after year gratifying!! ----- TEST #3 Jan11 fair condx bt few FTs. BB wkd YV5TI (Not Transatlantic). "Big Guns" more cooperative this test, some staying to edges of the bands to let FTs Hr center portion QRM/Free. No FT QSOs reported. ----- IMPORTANT "FT" TEST COMMENT/SUGGESTION de VOIKE/"Mike" My complaint in FT tests, OTs & BIG GUNS swamp fledgelings 1800-05 & 1825-30. Hrd Cqs fm OL8CCH, G4EHF/A bt nvr got to call them. Both got wiped out mid/CQ by BIG GUNS nr or rite on top of them. (W1BB agrees). ALL NA OT/BIG GUN stms shud Op above 05 dring FT only, and also WINDOW reserved FTs Only during TESTS w/ OTs & BGs 1830-up! Sounds excellent idea, HOW ABOUT IT OTs and BGs ??? Lets give it a try - OK??? COMMENT de G3SZA/Dave "BIG GUNS shoud give FTs more help - maybe by lining them up w/Otr stms across" - YES when FTs want it!! FELLOWS!! Everything considered - should these tests be continued?? Comments/Ideas appreciated. BB

RHODESIA - Z57JK/PETER Oct/see "Cdx Bn Poor Wors'n last Yr - Last QSO W6DAD Mar - Only hrd few weak stms since ALTHO nearly Evry AM 0400 Hr W1AW 1805k 339 Bulletin! Hv Wash QRM. I'M on band EVERY day of Hr 0300-0415z. Call me above 1802. ZK1EV on 900' hill QRV. Dx Stms Hrd Hr ZS4PB, LVN, 6KO, NG, DW on 1950k & A2CRX/1828. Our 10w onli makes difficult. Hope QSO many" Tax Vfb Peter!!

WELCOME W5USM/BILL 160 "FIRST TIMER" (Ex QST VHF Column Ed). W/70' apex InvV first nite wkd HCLGW & HCLIG, VE1ASJ, W5RTQ. In 3 Days 20 States & 6C 1st wk. Sex: "160 BUG has Bitten!! - on 160 the type operators, attitudes, certainly better/Different than HF bands - like THEY were Yrs ago B4 invaded by "Quickie Licensees", (Amem!) Feel as tho starting all ovr Age HAM radio!! GREAT!! Bill. Dec17 he wkd GM3YCB GW&Ssb making 3rd W5 WAC/160 in 68 Days!! Nw has FY1RO, VR1AA!! Many Otrs. Also mounted VFB DXpedition to Corn Isl YNLDW!! WANT A LAUGH???? Bill Vy enthused/"Gung-Ho", goes "All-Out"!! So, crawled blurry-eyed out bed Oct31 6am Ck Dx. Band quiet. Suddenly Waz2HH hrd signing w/JA3ONB. Bill spins FT101KE dial like mad to 1910. There is JA3ONB in LORAN Bt readable on Inv V. Checked sig on loop in f888d, Bk of House - ND. Remembered Loop, pointed 90 degrees wrong, Sex "Mind U, I'm still asleep" in PJs, barefoot. Believing JA Wld B Btr on Loop, ran out to it thru backyard, w/o shoes, armstronged loop Arnd, headed back to house. BUT!! stepping FULL into sand BURR patch - WOW!! - They hurt - anytime - Esp 6AM!! Hobbled/limped back - collapsed in Opr Chair - but didnt Hr a thing w/ either Ant - what the Heck - Cld JA3ONB blind anyway - GREAT!!! There he was, on Inv V, answering giving 569!!! Had much Tble w/Transceiver, jumping Btwn 1803/1910 - However finally got QSL!! FB!! SCORE!! L/foot-3 BURRS, R/foot-too many to count, inc cluster Big Texas Burrs compacted into big tee. XYL in shack laughing, I remove Burrs, find Hv also cut foot on glass, xyl gets alcohol/bandaids xyl thinks I've gone "Completely Nuts" -- "ADN HAM RADIO FUN!!". YEP, but you "Got Your Man" Bill!!

POOR MANS BEVERAGE" Waz9KYI/Greg calls it, "Cuz Cant run wire straight line Ovr 200', Bt did run wire around property, rectangular shaped, abt 10' high w/coax directly to wire. Cant explain Hw it Wks BUT outperforms loop & definitely BEST Rx Ant I've Hd on my limited real estate! - This my BEST 160 Yr, wkd: VK, HCL, G3, GD, PY, KP, YV, KV, CA Pa2, 9Y4, VP2E, LUL, HB9". VFB!! (W1BB has found it advisable, with push button switches to Hv and Try various Rx Ants. Sometimes, simplest is BEST - supprisingly) VFB!! W5RTQ/EARL LEFT TEXAS Yr W6 Mojave Desert w/Acres Fr Ant Farm. Intends two towers, 135' apart array and fire to Eu & ZL, Broadside JA & SA & Beverages!!! Concluded Opr'n W5RTQ w/"Bang-Up" time!! Oct 1-19 wks VKs 6HD, 2AHK, 5BC-JA3ONB H589, Ja599, also JA3NI, HP1XLB, KZ5DE, KP4DPN, HB9NL, G3SZA, KL7GKY. WOW!! Great ending! Shud B on Fm W6 Jan/CQ LUCK/Best wishes Earl & Tax "Distance Records" Calculation & Gamma Match Ant info QST!! B.C.N.U. !!

GD4BEG/"Mike" w/ 2, 1/2 Wve phased loops, w/100' Vert Sections, Bn doing esp well! Altho needs to be separate ATUs. Mar/Skeds w/ZL3RB (G3OQT also) 10 Qs, 11669 Miles. Oct1 wkd many Ws inc WFL, CAW-VE7 VE7UZ-ELN/W off Cuba, RH2HF. Last Summer was "poor". Your sig GREAT!! on E. Coast Mike!! Always.

SHORT ITEMS : : : : : SHORT ITEMS : : : : : SHORT ITEMS : : : : : SHORT ITEMS : : : : : SHORT ITEMS : : : : :
 GREAT EXCITEMENT FOR 160 DX SEASON'S START VE7UE/V1G Wkd GD4BEG/559 & PA/HIP/569 Oct3 VFB!!
 Waz9YY has pair phased towers 160 w/"Beaut" of a sig! (de W5RTQ) EP2BQ/HARRY after wonderful 160 "DC" in IRAN since 1972, gone Nw to N.Y as ZL4JA. We'll miss that "Rare-Dx" EP2! Tax/Luck Harry
 W2BP/A1 just completed WAS w/KL7GKY & Nw 81w/76q C CONGRATS!! Oct wkd VE5BC, 10592 Miles. Sex "That AWFUL "Bleeper" 1799.7Kc w/sideband to 1830, 25DB Over!! (Yep/Tears, but believe OK Nw!)
 WFL/JIM R 590 w/GD4 Oct. Wkd Hrd Many VKs Also wkd PA/G3, JA. Uses Loop or Dipole for Rx.

GREAT OPENING EU/USA Nov. 0100-0500. OKLATP Wkd Cvr 50 W/USA. Jarde's ANTENNA Wkb GREAT!!
W9EYI/Greg: Lots of line noise! But Wkd Gs PY1BC, VK2AHK. Loop hasn't helped much. Trying Otr
Rz Ants. (Yep - Noise a BAD problem!!) W9KSR/Dora (QSO'd BB 1933) Ex W1GKA Nw on 160 "with one ear
always glued to my favorite band" QRV 1805-15 usually! VE!! K5JVF/Dave, Oct Wkd G3SZA, E2SKE, HP
HP1IB & VR1AA!!!! SSB "FIRST/EVER" 160 WACs - checked w/ARRL Only TWO recorded to date. W1NPT
9472 No.1, and W8SAPB(W8LRL) 3/19/75 No.2 (Sorry for error in Oct Bull No.1!!) W5SUS/John,
CONGRATS Wkg PA/HIP/LX/P vrb!! "FIRST" 6 Band MAC "EVER" 160 thru 10 goes to JA7AC Oct 3 '75 FB!!
160 WACs, latest ones - GM3YOR #73, JA3EJI #74 - VS6DO #75, (and now W5SUS/John w/ EA8CR!!) GREAT!!
(John also Q'd PA/HIP, G3SVE, SEA & GD4BEG, HP1IB - Fm ARK 66's GREAT!!) WIPL/Lael Heard in USSR by
BB5 listening Sta, sez this may be "foot in the door" to possible future 160 working by Us - BOPE
HELLO ABCARD W1AB/Harace, first time on 160 since becoming HAM 20yrs!! w/YT1018 STANATHL
sincerely to W2IU/Saa - OT 160er, who lost xyl this spring. Nw retired/lonely. Active 80m traffic
out bt not 160 - noise de new 60KV Power Libs 500' fm Ant, a real "heartbreaker" esp w/12 VTB vert
120' ant -- REAL Sir Sam!! (de W2BP) K1PWH/1-Ernie, "SUPER" 160 CONTESTER, has new vrb QTH, Levered
Ba w/120' top loaded & 10,000' wire into radials, plus several remote beverages, (&), connected w/coax
sez "Noise level lowest ever, Szero in daytime w/no attenuation on vert, and it's GOOD!! Nov 16th
wkd VR1AA for his 88th CONGRATS ex. K3ILD/Bd requests 2xSSB help. Needs RI, KY, LA, ARK, TX, OK, KS,
NEB, ND, MONT, WYO, UTAH, IDAHO, WASH, ORE, NEV, KH6, XL7. Can anyone help him?? Nw has 32!!! G3SJE/John
reports, after a nice spell of early fall openings 160 Cdx Bn Poor/Spotty this fall generally. Wkd
EA8CR Fr new one, Hrd VS6DO wkg OKLATP. Also wkd DJ6QT/OT3. W/RAC & 36' Top Loaded Vert. CONGRATS
GM3YCB/Stuart has line noise SS-9 fm tel lines Wkd EA8CR & VP2MIR (wants Q/L/QTH) Trying new VBR
vert ante nw. (Fall) W3GNS/Jim converting HW12A to 160 - to be QRV CQ/160/Jan VFB!! G3VJZ/Dick.
"Taking new QTH on wooded hill clear of urban sprawl, man/made static etc. QRV abt Easter '76. Wkg on
audio filters. CU Bn" VE1GD/Bill believed "FIRST EVER" VE1/VK Q w/VK6HD, and also what may be a
"Distance Record" (If and when #5RTQ can Ck it!) THE OKLATP 160er BEAN (QST Oct p20) wkg GREAT!!
Jarde sez "VERY contented with - this Yr many W stms wkd tt previously only hrd in BEST Condx. Nw
No problem QSO to West. To east sigs go OK but not so good as West. 1975 248DI Qs, 37%. CONGRATS,
Jarde, your sigs VERY "Potent"!! Yls ON 160 Helena/VV5CKR and DAGMAR/OK1DDI. Congrats. Otrs????
NEW EARLY ATLANTIC crossing time by VO1KE/Wilke Q'd GD4BEG 1833k 17%oz, GD539, VO449 breaking '75
1802x record. This was 2 Hrs before sunset time!! UNUSUAL!!! G3XAP/Phil has eye on /A QTH. Also
de/ Ant Research work. FB!! NEW COUNTRY EA8CR/CANARY ISLA. Everyone thrilled w/Juan's vrb sig
on 160 giving many a "New One". Started Nov CQ/AB/CN test. Also activated EA8CR/9 recently. FINE!!
TKI "million", CONGRATS Juan! G/swi NORMAN SMITH faithful and perseverant for many many yrs spg
160 sigs is still at it, even tho suffered shock last Yr, slowing him down a bit - Bt not much!
Deel Hrd BB, MX, IMM, HYP, K1PWH, W2SPL, W8LRL, W8LJY Otrs. Fm "in" until half Hr after Sunrise Tax Nw
vrb & "Keep up the good work"!! "FAKIRS" "PIRATES" W6UA/XI and TA2PL, wkd by PA/HIP, GD4BEG, YN3YCB
etc, early Jan. Also a "Phoney" EA8CR was on. GM3KHE QSO'd NW UP2YTR Jul '74 QSL'd - returned
"Unknown". Sri Bill!! WELCOME BACK W8BHD/Rob TO 160!! First time since 1925! Originally on w/
Cunningham C302 "5matter". Nw just built 200w rig w/UV211 in a grid neutralized RF Amp & Pi output
driven by a "Meissner Signal Shifter" (Shades of the 'Good Old Days') Doesnt that ring a bell Otr?
KADJC/Bd wkd G34, EI9, OK1, GM3, YN1, HC1, PA/HRK since Jan! Experimenting w/ RZ Ants - FB! Ed on.
W6BYB/VE1 John keeps adding radials, Nw has 84 each 65 to 130', sez "I sure do notice the difference
on DI rpts and Ans's to CQs! Added 8 new ones since Oct 28 (Countries) F57, HP3, VP2, 9X4, VL, VI, IN &
best of all ZB7X!! 449x2 Dec 30, sure got a THRILL fm tt QSO!! Hrd GM3YCB, KH6CHG, W8LRL in their
"3 way" - some feat" SUPER! Nuff sed! WAC CONGRATS TO VELNE/Harley Q. KH6CHG Oct 10. Also made him
56C. Putting up gamma matched vert w/radials soon. sez "Nw Fr WAS & DXCC. Believed lat ever VE1WAC
CONGRATS W5MCO/VIC Jan 10 Q JA3ONB & JA7NY 1330s. Fantastic!! His sigs also "recorded" (Tape) by
ZL3RB @ equinox sig CQ. Fr WAC needs Africa. Fr WAS Needs Mont, RI KL7!! Nice wkd!! OE5KE/Adelma
wkd W8NFC, W8AN, KZ5AA, YN1DW, W5, Otrs. Was 589 @ BB. Really "getting-out", Cheers! W3IN/DON Realiz
to Jan 18 41 DI Qs GM, PA/G3EZ, HC, PJ, EI, OK, OE, HK6, YK, GW, FY, YV, HB, DJ, P2.!!! W3IUB/Tom Jan 17 w/Inv V
Q'd G3, GM, OK1 - BRB!! "Great feeling to be told by G3 "Best sig I ever hrd on 160!! Sure is!! Nw
has 14C. Congrats. NEACOMER WAA0AA/9 Bill wkd GD4BEG Jan 16. 4C Nw VP, 9X4, KH6, GD. Excellent start
VP3TY/Robin (Ex VP3RF, G3RNU, W41AN, B7H) Nw on fm VP3 Fr 2 Yrs w/100w, 55' High dipole - CHEERS
"Welcome Back"!! IZ1N1/Mitoo who WABRE, WINGT, WLEB have written, giving info to help w/his FCC
has submitted request already, per QSO w/WIPL, for permission. IF approved however will be for CLUB
Str not individuals. Tax Lacl. WAC "RECORDS", W8LRL/2Hrs, KV4PZ/S, OKLATP/10, W1BB/18 and W5USM
68 Yrs!! Others????

WEST COAST --- TransPACIFIC --- FAR EAST

VR1AA/DAN PUIS TARAWA/GILBERTS ON 160!! Sez setup primitive using W3DZL all band trap dipole
modified Fr 160, 40' high, far ends parallel to and 6' above ground. Done real good though!! First
QSO w/ W6SLZ/W8 CONGRATS Both. then JALM0 #2 and K1PWA #3 Wkd K1PWH Nov 17, W6VD, W5USM & Otrs.

W2GGL/7 Dec6. FY, KV4, KP4, VS6. No EUs Hrd. Sez "Not dedicated 160 HAM, but gives no change in Otr bands when timing of openings suits. Hv En on 160 "Off&On" 29yrs - Engr Govt Ser 40Yrs. Ex LI2CL, W0LD, ZG1CL, G3HCL, GW3HCL, 2A2AE, PW2LO, 9X6CL, /Vr7, /Vr3 - too many 160ers make "Repeat" QSOs (DX) spoiling if Fr Otrs - One Week Hrd 14 Repeats only 2 NEW ones". Dislikes "Piggy-Back" QSOs, inflated RSTs Chit/Chat on DX Pys. (Agree Dan!) CONGRATS!! "Keep up the GOOD work" !!

VR1A WORKED BY W5MDO/VIC Nov23 0725s - "He ans'd my 'CQ/DX' QSO27 - I almost dropped dead!! Big thrill!!! Even if I'm DXCC29% & Lask only 2 ords for 5B D1OU - I'm pretty hardened when it comes to 160 DX, BUT NOT THAT HARDENED!! As VR1AA sez '160 is for the STOUT HEARTED - I agree. Used R4C & Ranger w/"Mincocks" ant w/Water Pipe Ground tied to iron fence" NOW!! CONGRATS! Now, Vic has wld GM, G, HB9, GD, EI, PA, GW, making it 6 bands w/EI9J - GREAT!! Shows what CAN be done on 160 - and MUCH FUN!!

160AO/Bred sez "Band outstanding Mar-Aug 75. Hrd/Wld 9LJLT, VP2EE, YV5GR, W4BOO/T09, KP2BQ, ZB7JI, VS6I, VS6DU, AL3AA, HA6BK, KH6CH, JA3ONB, KV4P2, JA1EO, VP1FF, T19DX, PJ7EE, VK2AH, JCH, HG-5EN, BC, GASY, ZL2BT, YS1MP, YV1BQ, & Hrd G3SZA Oct25 - Anyone who sez 160 is dead has real receiving problem!! Tax/VFB!!

K6DDO/Doc Dave Nov3 Hrd OKLATP, JA3ONB & Wld VR1AA 1803K!! Has FB now Vert. Thinks 76/77 Trans-PACIFIC tests shud emphasize E & Central USA. That the TransATLANTIC tests, should emphasize, Central & West USA & W. Pacific to Eu. Then would really become "WORLDWIDE" Test. Great Idea, but BB believes would be hard to "Coordinate", & would leave this to CQ/W/160 TESTS now regularly held, plus INDIVIDUAL skeds and "Random" DX openings. Any other ideas??

CONGRATULATIONS JALWU/JIRO!! Receiving the W1EB 160 Meter DX CUP AWARD for 1975, for the most outstanding JA 160 Meter accomplishments of the year - Awarded this summer to him by the JA3AA & Dx Committee. In 1974 he put two really rare New Countries on 160, Namely S21CX & 8Q6AG. More recently, Oct '75 made "FIRST EVER" JA/VR1AA QSO. His patience, Perseverance and expertise have contributed much to 160! "Well-Done" Jiro ON and "Keep up the good work!!"

GREAT 160 RECORD BY KYLFY/BOB!!! 1974 Hrd 371 160 Qs - last 2 1/2 Yrs ave 850. WAS/160 1975 - 18Vks, 131As, 10 Otr Dx Total 17C. JA, VP8, VK3, JA7, LU5 HK, VP8, YV5, ZP9, ZL3, 6Y5 VS6, ZF1, QAS, KP4, KZ5, KV4, Hrd Bt missed FY7, GM3, G6, OK, DU, CE. He w/W6DAO & W7QID on all last summer. W/Coast HI EXCELLENT opening to EU Jan7 He wld G3SZA!! CHEERS!! Also OK/ATP/449. Hrd G6BQ, G6CJ, PA/HP, DJJ 150vr9. "Best opening ever Hrd!!" This season generally good BUT need MORE DX ON!! (Agree) Needs Africa for WAC. Sez: "When E/Coasters hear Otr Sigs Cig Dx They Hv already Wld, they shud LET the Eu sk the new stns!! Th: Hv En much Btr out Hr W/Coast since our "Big-Guns" Hv started QXing & letting QRP boys go!!

"DX-WINDOW" W/ COAST: Group W7s-DL, D2O, KIM, RT, JJI, K7QID, IDX, JCA, W47AXT, OFH, OTT got together, had a meeting, composed VFB cooperative, factual, letter which they send to "WINDOW CRASHERS", the outcome of this "160 BITCH Session", wherein they discussed the problem and pooled their ideas. It has helped TREMENDOUSLY, these letters sent out, friendly like to keep WINDOW clear they say. (W1EB has been sending such letters many years - if many OTHERS would "Follow Suit" and do the same would help lot.

ANOTHER RECORD???? DAYLIGHT 160METER DX RE-APPEARS. W6VD/Jack, Sacramento, Cal, 3.30PM Wld K42CM/Jim Boulder Colo Nov3 2332s, 180%k, 1200MI. Both FT101s, one barefoot, Otr w/"Afterburner". Previous Daylight DX was W2RAA to Chicago 1967 850MI approx. Another instance: G3TZN was Hrd by G3PLQ-John, 2150s Dec14 '65/w/ off coast Sierra-Leone AF (9L1) 90MI Pa Freetown. (Hvnt figured MI Bt near 1000) NOTE!! W2RAA sez doesnt consider it DAYLIGHT DX unless between LIAM and 1PM Local times - This could be debatable "Spec". CONGRATS Jack and JIM. (Any Otr claimants????) (Reliable information tells us that under certain "DUCTING" Condx radio sigs near 1.8Mc HAVE been heard several thousands of miles during some U.S. Government research work, in full daylight working along longitudes N to S)

SHORT ITEMS W7FS/Keith has retired Fu sea to concentrate on HAMING, esp 1.8Mc AND!!!! 186.5Ks (Been Hrd 50 MI). On 160 Oct1 Hrd PA/HP, G3SZA, GD4BQ. Welcome OM/Hv FUN!! W6ANO Wld NOW!! during Sep/Oct Waldo/W8ANO had 39!!!! VK QSOs, Great Wk/VFB Equinox Opening! In last 20 Yrs has wld 87C & WAC. Vfb/CONGRATS! HOW US 160 BAND SOUNDS IN JA de JA3ONB sez much QRM by beacon sigs 1802.5, 1804.2, 1805.7, 1807.3, 1809. Also BC Harmonics 1800-1804. This QRM S5 to 9 plus!

"GO WEST YOUNG MAN" and WORK DX!! W2GGL/7-Lowell, Nov'74 to Nov'75 QSO'd 34 JAs, 6Y5, VR1AC, YV5, HK, T12, YS1, HCL, KH6, KV4, KZ5, VS6, KL7, G6APC & Hrd OKLATP, G3SZA. KH6CH/Jack-CONGRATULATIONS!!! WAG!! Dec21 Wld GM3XCB/Stuart. Otrs were 9LJLT, VR1AA, J11M, PY1RO, JR6CF. OUTSTANDING for KH6. A very pretty set of cards too!! W7MS/Gary (Ex K4JRO, KH6CH, W7LY, DULZAB, KH6CB, ONEFH) Hv retired living Reno Nev w/ 3/4 Avrs & w/ try QRV 160 Snd Vfb!! W6VD, incidentally is FIRST!!! P.O.C. to work for FCC in 50 States. In other words the "FIRST FOS/WAS" CONGRATS!! Jack on. W7DL Hrd AXANJ!!

W2GGL/Kin!! and JATNI/KUNY both active with Otr 16W looking Fr W/VEs. Both Hv wld W4, W5. Hv looking Fr E/Coast plus W8a etc. G.L. Boys! (Many Otr JAs also QRV USA/160) W4WFL/Jim wld -GM, GD, G, EI, DJ, HB9, PA/YW1, VP2E, KH6, HB9RM. HB9RM Made 12 59C!! Hears JAs/No Qs yet. Excellent for W0 W/

RECALIBRATE John VE2HQ (AKA 74yr Young!) for faithful coverage of 160 band. Was on 350 mornings (Evenings) out of 365 in 1975!! This MUST be a RECORD!! His sig and fist is well known throughout the DX/world. CONGRATS John! Uses FT101 w/ARSS back-up. Still trying different ideas. Recently 267 loop in trees etc fed w/133' 3000ohm line. Wkd VE2NO got 559. Sez, did Hv good Equinox spell of DX, but cannot agree condx Hv Bn Gud. The JAs are OK, but Fr the rest, I'm waiting for sunspots again. John tried 1827.5/DX-DINDON but NO takers, so Bk to 1802. Has decided to listen ONLY, until he hears DX - sez this is his beat way he has ~~DISCOVERED~~ found! VFB John and many more years happy DXing!

SHORT ITEMS ::::::::::: Believe it or Not" VE2AHR/Jeff's sig on 1806 ran 599 Fr 2 Mins at #1EB Oct2 1052z!! VE2EK/Vince Oct w/DX100/120w/117" Top Loaded Vert & 16 Radials Q VK6HD/559, VK3OP/569, VK5BC/579, VK2AHR/569, VK3XB/559. Hrd VK5BC & 3CZ. Sez "This Equinox Bn "DADDY" of all openings! CHEERS WAGDII - Wkd VK6HD on 160 for his FIRST EVER DX ON ANY BAND. "Can you imagine that?!!" 160 sure has supprises - right?!! VK3CZ/Art sends more VFB logs Jull-Oct9 Hrd/Wkd: USA 4,5,6,7,8,9, PY1, OK, WAG, JA, KV4 VE3, N1EB-KAFSU, EX-5SUS-SALE-SANO-K7LFF-WBSHAT, W4AON, VE5XU, 3BWU, -DHJ, WNU No one has ever kept ~~RECORDS~~ watch on band conditions so detailed for so long as ART. CONGRATS!!

LOOKING SOUTH

REPORT de G8BV/Paul "TransEQUATORIAL TESTS" Vy disappointing this Yr. No QSOs. Hrd little. Have made WAG wkg JAs-7NI, 3ONB, 7AO, 11QV, 5DQH also KL7GKY, VE2AHE, 3CZ, 2PA. Nw Hv 25C, WAG, & 37S - Not 10000 active - tooo old to "burn candle at both ends" - Bn Wkg OSCAR satellites in '75, Mode A "145/up-29/Down". Less QRM than TOP BAND. Wkd 160er ZP9AY via OSCAR often! I'm only QA active on 160 & Satellite. My Qr activity QRP/p, 5w Wkd 750 on 80m. Great, Paul - nice to hear fr you!! G.L.!!

PIRO/Rolf Hrg extreme Trble w/line Noise - considering 2nd QTH. (Similar to N1EB/I "Tower" maybe). Trying QSO VK3CZ, skeds, Hrd by CZ ok, but not peep CZ in PY thru line noise. Real SIR Rolf!! Hv Sun sun too Hr Boston City - No FUN!! Rolf did hear both sides of W6RW/G3SXA QSO Oct! Sez "VFB"!!

SHORT ITEMS ::::::::::: PY2FUS/Ron, & PY2FVH/Fred working on 160 meter ~~RESEARCH~~ "BEACON" Sta they hope to put into operation to assist N. Hemisphere HAMS, and all others. To be 100 Watts, using 75' Vert w/radials. Rolf their "Consultant" !! If and when ready, Fy and Schedule will be announced.

LUKE/Raul Sez "1975 my best 160 Yr. Wkd PY1, VPE, PT, PJ, KP4, VP2, 8R1, CP1, #2, VE1, ZP9, CX3. Dec21 Cndx gud Hrd #1, 2, 8, 9, -Co-KHO. Wkd K9UWA. #1 by QRL Nw & Then this season" (And he has been!). VFB. HELENA ZD7HT/Tom (Ex ZD8BD active w/ZD7TT's FT101B & Dipole - Great News!! RHODESIA/2E. L/Peter Hrg Oct 0300-0330z #1, 2, 4, 6, 6, 8, PT, PA6OK, KV4 OE, ZS6. Called many - NIL. He & ZELKH active w/10w. Peter wrote VFB article "A CHALLENGE - WAG ON TOP BAND" for local Mag. GREAT!!

DXpeditions --- Dxpeditons

"JIMB DONE IT AGAIN" W2DEO at HPAKIB!! w/FT101 put another rare one on, making about 40, 160 Qs - QTH was in "Veritable Concrete & Steel Jungle". Couldnt hear, couldnt get out well. However Jim did a GREAT!! Job. CONGRATS NICE TRY!!

LICHTENSTEIN HB9NL/Frank (HB9NL) Encountered Bad QRM Cndx week Oct13/20 BUT persevered. QSO'd quite few. Ws-1BB, HGT-K2GMF-W3IV, AN-44BRB, OZU-K4CIA, DBZ-41WQZ/4. W5RTQ, PWV-W8LRL-XN1KE, XJ1WK-VOLKB. There '74, wkd only 3 - 1975 wkd 16-much better. #1 QRV agn in 1976 Oct4-17 0500-0600 Daily. VFB!!! Frank.

VP2DK & VP2D/Az3HRV DOMINICA made it B4 & During CQ/WA/ON Excellent Job spite of Poor Condx -GREAT!

SABLE VX9 ISLAND and ST PAUL VY9 ISLAND MUCH Credit to VE3s GWT, IAA, NJ, MB for "Figuring this one out" Getting permission/License to make this NOTABLE "FIRST/EVER" NEW COUNTRY on all bands, esp 160 (Understand VELASJ will be "Next" come "Springtime", April or so. CHEERS and luck.) CONGRATS!! one

SINT MARTIN PJ8MM (K5CISNAYCO) "Made it" during CQ/WA/ON & ~~RESEARCH~~ did excellently, in spite SunCDX

9X4NB/Rick-(#a9AID)-TRINIDAD/PORAGO. Many QSOs. To some a, "New One" !! Dec'75 -Tax - FB!!

NEEKE/Barry SAN ANDRESS Agn mounted another VFB operation thru Xmas and first of year!! Many QSOs
NICARAGUA YN1DM/Bill (W5USW) Dec29-Jan12 mounted "Super" Excellent operation giving many "New-One". 330 Qs, 148asb, 182cw WAG Except Nev, Wyo, KH6, SD!! 18C: :HK, HCL, KV4, VE, PA6, TI, GM, G, KZ, OK, GD, OE, PY, DJ, GA, OR, KL7 W. WOW!! His Managua hosts YN1RG/Karen & on YN1RG/Dick Goularte "Wonderful people, so cooperative/Kind/Helpful!!" Used FT101 w/EAESD 2500 "Afterburner", Inv.V apex 40', QTH atop 1200' "18C" w/clear shot. Had eyeball w/FT20F enroute. Was on CORN ISL Dec29-Jan1 inc, 4M1 Sq, primitive, Jungle, ant up only 12', continuous Rain, 85F, line voltage 30 to 115v, Yeasu took it tho. Rest time in Managua. Wkd Svrl W Mobiles & 10 Watt EUs. Cndx Excellent. 208C Stns within 3 miles but all sig. ad off 11PM. Noise level high until 0300 then NIL. Cdx to EU "Super" PA6NIP, OKIATP, GM3YCB wld peak 20 ovr 9 on quiet band!! DHJ suddenly appeared abt 2230 & wld B 40 Qvr svrl times per nite. When 10 to 20 Ove Eu Rams came in. Trip cost aumpin, Ovr \$2000. 3 Weeks. Worth every cent. Best vacation ever had!! KYL enjoyed it too!! REALLY a GRAND "DO" Bill on - CONGRATULATIONS & Tax 融 Visited 7 Countries!!

MEMPHIS PA/HP/KA/William "FIRST-EVER" 111 Really superb planning, "Paperwork", execution, put this PRIZE on 160. Jan 17/75 Blessed w/Excellent Cndx Wkd Many W/Ves-Eu even into 7th district WLB's Country #126 !! CONGRATS/Hazy Tnx Intrepd 160/enthusiast William!! Tnx much from ALL!!

NOV/SPANISH SAHARA/EASCR/9/JUAN Jan 26, 1829k, 0100 w/VFB 58 to 59 sig QSO'd down or so E/Coast W/V few EUs & QRY abt 0200. WLB's C #127!! CONGRATS/Tnx Juan. Pse "Do it again" many need!! Tnx POS. ALE GALAPAGOS DXPEDITION HCS. W4BHS/TopBand/DX/ASS'a might try raise funds for 160 Dipedition by K4ERO/HCL/John abt fall '76. Comments Fr gang indicating willingness to support, Ant \$\$\$, ideas etc. #1 B appreciated NOV B4 anything definite started. Write Gene or SB and THANKS!!

NINE COUNTRY 160 DXPEDITION Planned by VEMLSJ/Andy Feb 5-28 to VP2A, D, L, G, FG7, 8P6, 9T4, P18, FM7. A re VFB 160 "DO". Andy becoming real DXpeditioner - also going to VI9/Sable & VI9/3t Paul Isle in SPRING

CONTESTS

75 CQ/SSB: W3IN/Don Trble wkg weak ones @ W3AU. Missed Svrl. (Par for the course - we all siss'ed dont we!!) Wld Co, KP4, PA, VP2, VP5, VP9, YI9, GD4, KL7GKI. Congrats Don & Also vfb CQ/160 TEST writeup!

75 CQ/AR/WH/OW Nov 29/30: Cdx poor, Peaked weakly @ US/Sunset & Quite Gud EU/Sunrise. Abt 55 diff DX stns wkd into USA. BB wkd 31 of 'em. DI-WINDOW quite clear except 1830 SSB splatter. Several Ofs who shud know Btr in window! W3AU/Don: 23Dx Q, 17C, 82 Fri/Gud-Sat/fair-- HA/swl/Janos/142 hrd EU countries only, NO DX, Cdx poor. OKIATP/Jarda: 178Q, 21C, 82, 6264Pts. DI: EAF, YV1, HI, W1236, JQ1, um, JA3, DJ6/CT3 and 5 VEs. -- VOLKE/Mich wld: W, VE, G, GD, PA, OK, EASCR!! "And a good time was had by all!!"

74 CQ/160 TEST: Don/W3IN ses "Amazed at G & JA Participation!!" 49 Countries participated.

75 ARRL/160 TEST: Dec 5, 6, 7, Cndx poor 1st nite w/scattered DX. Second, fair to Gud. Ea got into all dtsts except 6, 7, sparsely. 3 Dx Stns few. HP3XWB, PJ9EE, FG/CGV/F8, PYLRO, VP9DO, KP, KV, FY/SBI. The DXpeditions partly washed out by QRW. DX-WINDOW "Invaded" regularly by W/VEs Inc Few Ofs who shud know Btr! Should there B disqualifications?? W2AYS Fb Wk w/7watts -- HP3XWB w/KZSAA @ Key. was a great show! -- W3IN: 20C, 81kalt, 517Q, 28Dx, 89343 Pts w/"Finewire" Beverages. Openings short. -- WLB 20C, 33DX Q, 95 Tot Q, 16984Pts -- W3USM 1st nite 7C, 24Q. 2nd nite washed out by local tornado QRM 59 w/lightening -- HA/swl-142/JANOS logged many EUs NO W. Ves Cdx Poor -- DJ4WA/Gerd 126' Window laying on roof @ Lake Constance Pad QSO EB&KW/1 w/Heating System Grad. Resourceful-Eh?! -- OKIATP/Jarda 29Dx Q W12348, KP4, KV4, VE1, OASV was his No. 660 18State, 936Pts. -- W4NFL "Poorest Cndx in years!!" VEs Ses "Cndx absolutely terrible - gave up"!! (Well, We'all had FUN anyway - N'est Pas???)

OE/160 CONTEST Nov 15/16 per OEKLU/Willy skip Cndx vy poor w/QRW/QRN. OEs active: 1KU, HZ, NL, KJW-38GA, IBW-42SM-5ANL-6HS-8MI. Only W/Dx QSO WLB/OE38GA. HA/swl-142/JANOS logged 310ks, 9/OEs, 17ks, 18Ds2HBs, LPA, LCD participants. Excellent LOG. OE/160 seems to hv hard luck condx every year! S&P!!

76 CQ/WH/160/TEST: Dx participation seemed down ovr previous Yrs. Probably due only to POOR to FAIR Cndx both nites. Friday the best. BB Counted 27 DX Stns 1st Nite and 22, 2nd nite. No Otr Rpts.

MISCELLANEOUS

CAN A RADIO OPERATOR, OPERATING AT A DX LOCATION, GIVE DXCC CREDIT TO HIS HOME STATION IF HE CONTACTS HIS HOME STATION OVER THE AIR FROM A DXCC QTY??? YES!! Sex Bob White/ARRL/W1GW to W2BP in letter Nov 18 '75 DXCC is issued to the station, not the operator. Any licensed operator can operate your home sta Fr DXCC credit. Tax Al - VFB - Clinches your W2BP/VP2G contact. Has 80C/74Q Nov - CONGRATS

NOV 11 UNDERGROUND 160 METER ANTENNAS PIONEERED BY K7LFY/Bob and W7QID/Steve -- Been experimenting Ovr 2 Yrs w/Sug Gud results. Bob Ses: They increase Sug/Noise ratio eliminating Vert Polarised noises, also local Grad Wve Sigs which R Vert Pad too. Are buried dipoles/directional off ends. Need Svrl to cover all directions. OA length .033 Free Space Dipole length. Depth in Grad 1' to 4'. SMALL /fit urban lot. Abt 50% time sigs th are 399 his Inv L w/ B 559 on HA. E/Coast sigs not improved much at W7, maybe becuz vert Pzd & Attenuated much as noise. - W7QID has excellent results on JA & ZL & Otr Dx. Underground Ants sometimes wk great! Other times, "NIL". Maybe it depends on soil. They're cheap, small, quick to put down. Performance may be abt comparable to LOOP. Used by NAVY & AIRFORCE Fr "Strategic" QSOs - BOEING did much research - not "Classified". UNDERWATER also FB -TTC how SUBS do it. 10 million \$\$ spent RAD by professionals. K7LFY preparing 160 Mts version his Report "BURIED RECEIVING ANTENNAS" -Out soon/hope! Ses "Most guys may not like them since vct Vy strange!!"

"SHADOW EDGE" PROPAGATION discovered by G6CJ/Dud, noted 160/DXer & Electronics Engr, many Yrs ago! 1937 w/W2 in shack, on 80, they wkd J50C via "Shadow Edge" 599x2 w/25watts. 1951 he calculated by GM 1 Data/Sun Charts etc S/E path & wkd 3 ZLs on 160! 1962 sent "Paper" on this to Hags via WLB. One sed "Intrinsically interesting BUT not of direct use/USA". Another sed "Manuscript Rec'd and Filed to..... Will advise"/Never did. WGM we note CQ Sep '75 VFB! item "THE GRAY LINE METHOD DXING ON 160" 80meters, 15Yrs later, Heg discovered & Used same techniques as DID's. WLB likes to see "Credit given, where credit is due!!" (Any comments? Data? Use? & Who's NEXT to use on 160???)

May 8th 1976

PYIRO/Rolf om

HERE 'TIZ * "All the latest" on 160 for you!

BIG KICK working you 59 plus 5 both ways from Marguerites little RIG w/simple inverted L Antenna!!

LOOKING for ard to your signal and receiving conditions from new QTH!! That's really going to be just GREAT!!

HOPE youget those crystals all OK

EVERYTHING "Fine and dandy" here, except "Up to my neck" with work. My 50th reunion at Mass Inst Tech June 3/4/5/ - then to Maine for a month

HAPPY HAMMING always --- and 73 de Stew/WLBB -- was nice hv ur visit!!

May 1, 1976

WLBB --- 160 METER DX BULLETIN --- WLBB

1975/1976 No.3

de WLBB/Stew --- "When she was GOOD, she was very very GOOD! BUT when she was BAD, she was AWFUL! -about describes this 75/76 DX season! "SUPER" Cndx now and then, interspersed with average to very poor w/lots of high QRN! We're NOT complaining though! DX has been GOOD!! --- 74/75, to-date WLBB had wkd 57countries & 180 stns. This 75/76, 64C & 168 Stns. (Some may hv done btr, but hvnt rptd to BB) - More Countries, but fewer stns - EU stns way down. THIS is my "Barometer". Seems to say the VERY low sunspot NOs do help!! (Some think maybe they can go TOO LOW for good 160 Dx!) --- But, Pointing this up, TWO Hv made DXCC/160 this 75/76!! CONGRATS!! KV4FZ/Herb, No.2, and W1HGT/Ralph No.3 - theyre "Nip & Tuck" Nw w/each 105 QSL'd!! - Almost "Over The Top" is Gene/W4BRB with 96!! - (See "TOP-TEN" 160/DXCC LADDER, following) --- W8LRL/Wal Q'd JA3ONB Feb 15, furthest EAST for JA yet! (W1HGT & WLBB Hv Bn Hrd in JA, but 1900kc LORAN effectively blankets JA's Hr!) --- VR1AA/Dan M-22/23 wkd E Coast Stns, w/vfb sig giving WLBB No. 128. Dan sez: "Calling & wkg me repeatedly some doesnt seem fair to the 'Little Fish', taking up peaking time & gud Condx in which Otrs might make it for their 'One & Only' " (A good thought, that applies to all rare DX, and most all DX on 160 is relatively RARE for some) - & word JUST Rec'd indirectly Fm VK2AHK echos the same feelings!!) --- JA DXpedition VR8D broke thru briefly Mar30/31 Q'd W1HGT, K1PBW, K4CIA, Wa4LDM, W8LRL Wa8IJI, Otrs, VFB/All!!! (BB cudnt hear him under BOSTON's "Electronic Smog Blanket" - Tears!! (Hard lines when Otrs wk rare ones U cant even Hr - Eh?? Guess many of us Hv occasionally "Had It" that way too! --- Here's a GREAT comment - W4EX/Claude recently was hrd to say on SSB - "Operating 160, particularly Wkg DX, is today the greatest CHALLENGE there is in HAM Radio"!! Many of us agree!! BB feels that the thrill and satisfaction one gets Fm meeting this challenge, overcoming difficult working 'New-Ones', making New & VFB friends - gives life an additional purpose & meaning, that helps keep one mentally, physically and competitively active, healthy, 'Well & Happy' -really a great "Therapy", no doubt adding many enjoyable years to life!! --- Re CQing OCEANIA Dx - Experien has shown, where both W/VEs & DX use same 1800-08kc, that if all hands would learn & USE system of CQing ONLY during the first 2 1/2 minutes of each 5 minute period, it would help a lot! RANDOM CQing blots out incoming weak signals for everyone!! Set clocks ACCURATELY by WWV!! (See under OCEANIA).

--- About CQing. Just happened to recall the night friend Armin/DL1FF (Silent Key '75) had his TAPE CQer going - fell asleep - and his CQs blasted thru 45 minutes continuously!! "Hi-Diddly-Bumps Great Ham!/Great Signal!! --- Based on number Ltrs Rec'd expressing feelings that something like a CODE of "Ethics" or "Courtesies on 160" statement, might be helpful - may take this on a bit later. Ideas???

--- CONGRATS K4ERO/HCl/John & HC1XG/Pete on their EXCELLENT HC8 DXpedition!! --- The DX WINDOW SPLATTER:: While "Window" wks out "Pretty-Good", there is growing problem of SSB/AM Stns parking "Right/On" or mighty close to edges of WINDOW w/their sidebands/splatter QRming big portion or all. Could we each be 'Committee of One' to cooperatively/friendly like, contact these boys & Coax/persuade to watch this, or QSY????!! (W7FS has petitioned FCC to outlaw AM because of it's wide sidebands.splatter/QRming ways!!) --- Popularity of the "INVERTED L" antenna is increasing. Well could. A very simple & Effective, Local or DX, Ant!! IF with good ground system, - for anywhere!!

--- How 'yall like new "Quick-Printed" Offset BULL Job? W5USM/Bill's suggestion-Tnx! --- PYIRO/Rolf indicates the 160 TRANSEQUATORIAL "Activity Periods", initiated by he and Paddy/EI9J will continue this JUNE each evening after sunset. Good chance for 'New-One!!!. --- Not much support for TRANSATLANTIC "1st Timer's" Tests for 76/77!! --- S0000ooooo again it's most summer, and the season for improving one's 160/Dx "Capability" w/ ANTENNA/GROUND wk etc!!

HAPPY SUMMER everyone all, & b.c.n.u. 76/77!! 73 de Stew/WLBB -- & Marguerite sez 88's

PAØHIP/WILLEM's OUTSTANDING 75/76 PERFORMANCE. Q'd 47W1s, 57W2s, 38W3, 52W4, 13W5, W7IR. Sez: "Hoorrah-Hurrah, W7 Finally!!" - 24W8, 23W9, 5WØ. Astonishing total 260 USA stns in 6 Months!! Plus 25VEs, inc VE7UZ!! - 'New-Ones' ZP9AY, PAØWNB/LX/P, EA8CR, JA3ONB 'First-Ever' JA.PAØ, VP2EEG, YNLDW - "Wow!! what a signal" - total 54C/52. Two pirates W6UA/YI & TA2FL. CONGRATS!!! SUPER!!

W2DEO/JIM w/EXCELLENT "Capability" Nw rarely misses a 'New-One'. Up to 88C/85!! Congrats!! Uses two Inv Vs at rt angles, apex 55', ends only 5' - plus 500' LW & Loop w/three 'Heped-up' 75A4s. sez: "If you cant hear 'em - U cant wk 'em" - HOW TRUE!! Plans for FMØ & VP2GEO DXpedition soon! Sez: "I'm on 160 becuz only real challenge left - lots QRN, always QRL!! But hate to get out of bed at 4.50 AM every AM for Oceania!! (Amen!!) His QSO w/ VK6HD 11,601 miles, checked by Wb5CBC, not a record, but in top brackett. Sez 'Latch/string always out for 160m visitors, at his VFB country QTH

VE3EK/VINCE Had good season - Knocked off ZE7JX, VRIAA & Otrs. Suggests moving DX-WINDOW to 1990-2000kc. Comments??? ALSO believe some of the more "Powerful" stations should give more consideration to the weaker ones by not occupying the band and fys so much of the time & QRMing Otrs. (We should all give thoughtful attention to our operating habits especially as they affect adversely our fellow DXers!!) Tnx Vince and "Keep up the very good work"!!

ZE7JX/PETER had EXCELLENT season!! Wkd G3SZA for Eu, EP2TW for ASIA. Now only needs VK/ZL Fr WAC! Has 55' Vert w/128 radials & Valiant II Tx. Wkd many Otr W/VEs & Dx. Checks Band every morning 0300-0400. Has QRN problem - often "S9Plus". Sez: "Parts Rhodesia supposed to Hv highest QRN level in the world & BY GOLLY it sounds like it"!! Pete has given several a "New One" and some, WAC!!

9HIAV/LARRY w/10 watts, home-brew CW/SSB rig & "Fine-Wire" ant, AR88D, has done GREAT job, putting MALTA on 160!! Since Nov '75 Wkd OK, DK, DL, IL, DJ, 9H1, OE, GD, GW, GM, G, 5B4, HB, OH1, OHØ, PAØ, EA8, W1, 2, 3, 4, 8!! Hrd W5, 6, 7, HKØ, ZD7, CS6, PY1, AC9, KV4, Otrs. Is QRV every Sat/Sun 0300/om, in WINDOW. QSX 02/3/4/

OKIATP/JARDEY Dec28 Hd Trble w/tt vfb 160 BEAM - big storm-down-tangled. BUT getting new one up 60 meters! JAN17 'FIRST' OK/W7IR/Ariz!!! & too many Otrs to Mention!! An EXCEPTIONAL night. Jarda is No.1 in Czech Radio Mag TOP-TEN, 16ODx - nearest OKLDOK 37/43. Jarda 70/63 160 DX Ladder. Has VS6, HC1, JY9, CT3, VP2, 'First' OK/YNLDW, 9M2, OJØ9L1.4S7, SVØ CONGRATS!! That BEAM sure did the work!!

SHORT ITEMS ::::::::::: W3MSN/LARRY (ExW9JZZ, 8HWR, ZCH, 2NUC) Bk on 160 w/Yeasu FT101EE & Loaded dipole up 131' - Welcome Bk!! W6BYB/VE1-John leaving P.E.I. For good JUNE15. Visiting HAMS route-W1s etc. CONGRATS excellent DXing 59C in Vy Short 1½ Yrs - latest 9HIAV & HC1XG/HC8. GREAT!!

OH2BO/Ilmo Active all 'Tests'. Good Season. 5 New C!! Wkd svrl JAs. Needs OCEANIA Fr WAC. Missed VK6HD (Sri) Tried KH6CHC 1826/QSZ 1998 but Nil yet. VELMX/HARLEY Made "WAC" 18oct75 w/ KH6CHC. "Nw Fr WAS & DXCC!!" G.L. om. W9PNE/Brice (Feb) Home Fm Hospital/operation/all VFB.

raring to get at 160 agn - a real contest man & "Record-Hanger-Uper" for years!! Cheers!! b.c.n.u. W9NFC/Chas (W2EQS) Nw wkd 53C out of 58 Hrd & 302 DX QSOs since becoming W9. WOW!! 1974/1975 90 DX QSOs. THIS 75/76 115. Only using 35' high dipole!! Chas has the "Magic Touch" key for DX!!

W5USM/Bill Nw has 43C/38 w/ VR4CW added Apr 22. VFB!! Sez He'll trade a few JAs Fr sum Otrs - sounds real "Interesting" deal!! Would like a JA myself!! HA5/swl-145/Janos Reports Mar20/21 many Dx Hrd Inc. KV4FZ, W4EV/VP9, WALKID, W1HGT, W3WJN, W4EX, Otrs. With accurate Fy Standard he checks WWV out at 1831.06 Khz. VFB & Tnx Janos!! Helphul!! Wa4DAA/9/Bill's "SHUNT FED TOWER FOR 160" -

has simple vfb scheme. Write for sketch fm him if interested. PO Box 177, Ft Wayne Ind 46801. Tnx! Suggests another CW Band 1845-1850 to lessen QRM 1800-05. Comments??? K4II/Bill Back on 160 fm 1940 has 40S, 20C, 4 Cont. Sez; "Certainly LOTS of fun wkg on TOP BAND" We're all sorry for Bill's

health problems/Operations etc but wishing excellent luck/speedy recovery!! K5QHS/GIL now has 34C w/latest PJ9EE, G3SZA, EI9J, PAØHIP, GM3YCB, GD4BEG, KH6CHC. Also 49States. Using form of Inv L w/7th radials. Congrats!! GM3YOR/Drew's impressive record this 75/76 Nw 36/28! Uses Sloping Dipole, also Inv V. Finds sometimes one better, sometimes the other, Fm same areas. Made WAC in 44 Hrs Nov'74. CONGRATS!!! W9HL/Dick using 38 Yr old HRO wks nicely - but not too selective & with

Valiant has wkd 5C W/VE/KV4/KP4 and TEXAS!!!! Hi!! 9M2AX/MALAYSIA "New Country Heard From", wkd by PAØHIP in March. VFB!! W2NYU/RANDY has excellent scheme called 'The Hairpin On Top' to load grounded vert beam tower on 160. Will be in May '73 Mag, or drop him a note. As "Easy as Pie"

a 'Workable' SWR 1/1 scheme it is - Congrats Randy!! W8LRL/Wal WORKS JAPAN Feb15, JA3ONB gets 559 Ja/469 used 900 Ft 3 wire Beverage bearing 330 degrees on Tokyo 6717 Miles. Ja w/160w, 90' high ant. CONGRATS!! G/swl Norman Smith for MANY yrs a faithful & Reliable "Reporter" on TOP

BAND signals, after his stroke 2 Yrs ago - still recuperating w/problems, but hits 160 occasional & recently snagged HKØ/BKX fr new one. QTH Noisy!! VFB Nomr - best wishes better health fms all!! K4CIA/Bill MAKES "WAS" w/KL7GKY. CONGRATS!! w/VR8D & HC8 now has 82C!! Otr latest VRI, KL7, EA8/

PAØ/LX, GI3, HP3, VYØ, EA8, VX9, VP2. GREAT!! HELP!!! W6BLZ/Ed needs R.I., VT, DEL for WAS. Who can give Ed a lift???? YS1WPE/Bill's rig has trble W1 be back 76/77. (Tnx Gil/W5QPX).

W4DAA/9/Bill (Agn) sez; "Best W9/Eu opening Mar 18 0400-0700, DHJ 40 Ovr/9. OKIATP 579 Loudest ever. BUT 'WE' can ONLY hr' Eu when Condx "Super/Good" - Tears!! No VKs, JAs Hrd either, even while W5s & W0s wkg them!! Sri! W15YZ/ARMANDO is Vy active trying get his FCC's license to Op on 160!! We hope some day he will succeed! Gud Wk Armando OM!! W0ELKU/Willey rpts severe damage his ant by hvy storm bt wl fix! This summer, and QRV Oct! Won 1st place OE1/160 "Test". CONGRATS!. For new "50 YEARS" celebration O.V.S.V. wl use prefix OE50/LKU etc. Willy also won OE CQ/WW/160 Test Cert. '74 and '75 VFB!! W0VELAXT/BOB, (Dad of W0VE1BCZ) sez: "Went QRO fm 40w to 55w - Hi -, seems to hv helped - Hi!! Ant is loaded Inv V 50' high, legs 95'. Got SWL Fm UQ2 on his PA/HP QSO!!!! 8 new C Nw 37C/35. GUD!! W0VE1BCZ/STEVE (Son of W0VELAXT) believes in "Ducting" on 160. Wkd YN1DW got rpt 59plus20DB, previous day his sigs only 339!! Also thinks W6BYB/VE1's 579x2 Q w/JY9FOC cud hv bn als "Ducting". (Vy Possible - or just maybe "Super" Condx!) Tnx!! W0K3IXD/Ed wkd 35S 2xSSB!! thus far. Is 'disturbed' by CW Creeping up over 1810. Sez if we expect PHONE boys to keep out of CW & esp. the WINDOW, the CW Boys should keep out of phone sect!! (Agree 100%). Sez "How abt 2x160 SSB TEST. Comments? W0W4WRY/PARKER; VFB 75/76! 66 DX Qs. Nw 40C/30. Use base loaded HyTower. VFB om!!

TRANSATLANTIC "FIRST TIMERS" TESTS:: Test No.4 Feb 8th 1976 -- Cndx fair But TWO!! Otr tests runnin concurrently. ARRL/WW/Phone & FOC "Marathorn", so QRM high Fm DX/phone in WINDOW, (& some W/VE teste & FOC boys. HOWEVER!!!! W1HGT wkd 2 FTs, G4CIK/A and G4AOL/A. W1BB wkd OL9CFE & G3ZHL/A. FOURFTs not Bad!! CONGRATS to them! W9JUV sez; "Washed out" DHJ not hrd & Little otr activity, HA5/swl-142/Janos Hrd 7 FTs trying & 2 of 'em QSO W1BB.W1BB349,HGT339. -----

"MURPHY's LAW" and the TransATLANTICS de W0IUB/TOM, sez - "MURPHY lives in Kansas!! Dec '74 Test/sore throat/Fever -- Jan/'75 Test had the FLU!! -- Jan'76 to hospital ONE DAY before the test for gall bladder operation!! WOW!!! Murphy sure does live Tha! Cheers 'ur perseverance/Patience Tom!!

FUTURE OF THE TransATLANTIC and TransPACIFIC Annual TESTS -- Reference our queries, there hasnt Bn too much support for these annual tests now. The feeling is, and it is true, that DXing on 160 has become so common with better antennas and equipment and more activity, and additional TESTS, that they arent necessary, since EVERY WEEKEND is in effect a "TEST" weekend, and there are DXers always looking for "FIRST TIMERS". When these tests started and for many years they were the ONLY DX activity on 160. Now there's PLENTY all the time -- in other words, by them, 160 has developed and come into it's own, where it stands on it's own feet, and they're no longer needed. Maybe!!

ew have favored them anyway. We'll see and decide by October. But things do look a bit "Negative

WEST COAST -- OCEANIA -- JAPAN -- ASIA

OCEANIA to W/VE PATH SUGGESTED GOING PROCEDURE Due to the fact that most VKs, ZLs, & Otr OCEANIANS must operate 1800-05kcs, and becuz W/VEs do also, in order to avoid unbelievable QRM with each Otr it is essential that calling/listening periods be coordinated, so the weak/QSB DX can be hrd/wkd. Therefore, as in the past 2 years or so, it is suggested that all W/VEs set their clocks accurately to the second by WWV, then CQ only during the first 2½ Minutes of each 5 minute period. (You do not have to CQ ALL of the period, just whatever you do CQ should be DURING this period). DX will call the second half of each 5 minute period. -- In this way, some W/VEs arent CQing on top of DX when Otrs are trying to listen & Vice Versa, and completely covering DX with their strong signals. Of course when QSO is in progress, these periods cannot be adhered to. Because the "Peaking" periods are so short, all should make QSOs short too, to "Give Others a Chance", & also avoiding too many repeat QSOs/same reason. This should apply to all W/VE stns whether EAST/CENTRAL or WEST!! Thus eliminating indiscriminate/random CQing will coordinate things so weak DX will not be blotted out and QSOs destroyed. The "Good-Guys" will also refrain from CQing in the W/VE 2½ Min period, if they know another W/VE is in QSO with weak DX on a close by Fy (2-3-4-Kc). RANDOM CQing spoils it for Otr

VR1AA/DAN-TARAWA/GILBERTS Bn doing GREAT job/160 putting FB sig to E Coast peaking 579. Mar 22/23 especially potent! Makes it to W Coast easily. Sez "Big Guns wkd him repeatedly, doesnt seem fair to the 'little-Fish'. Expects to be on 160 once or twice a fortnight. Sez best times for QSO W1,4, 8, 1000-1130z. - W5,7,0, 0600-0800. VE3,5, 1030-1130. VE6,7, 0600-0700. JA 0900-1200. VK1/5 1000-1100. VK6 1100-1200. KL7 0600-0900. 0600-0800 his SUNSET period. W9 seems badly placed - too far E for 0600-0800, too far West for 1000-1030. DAN needs SA,EU,AF Fr WAC. Hrd PY1RO. Tns/CONGRATS Dan!

JOHNSON ISLAND KJ6DL/MARVIN (K4KEW) Coming up. Hopes by May 5 or so to be QRV for 12 Mos. Staeside QSL Mgr Wb5HVY/Floyd -- ASIA/Pacific QSL MGR JALOCA. NO QSLs DIRECT!! But Mail QTH, correspondence, 160 skeds, CW, SSB, RTTY, OSCAR on any band except 5 Meters!!, is Marvin Feldman PSC BOX 884 APO SF Cal 96305. NO QSLs DIRECT!! They'll "Get-Lost"!! Rig is T4XC/R4B. GREAT!! Marv/Congrats/Luck/BCNU.

W7TO/Dave/WYOMING is vy popular w/"WAS" & Contest boys! Just on w/\$41.00 'Junk-Box-Special' Xtal Tx using inv L w/Radials, 20yr old RMB/4300. Sez "Lots Fys 1845-1850, 1995-2000 gud clear channels th in WYOMING for "WAS" QSOs, rag chewing etc. to relieve Otr DX Fys. But dont forget to check the WINDOW now and then fr DX. Has noted 33% his QSOs with YAESU rigs! Tnx Dave om - Comments???

Wa70AU/JIM sez: 75/76 Cndx EXCELLENT!! Last summer wkd KP4AN,VE1MX,VE1CD. DHJ 1st hrd Sep27. Wkd 20C & "WAS": 6Y5,JA3,HK6,VP9,PY1,2F1,9L1,KV4,KZ5,GM3,VE1,KL7,KH6,PJ2,YV4,VR1,KP4,OA8,TI2,VP2V. - Also Hrd G3YUV,SZA,ZYY-G6BQ,G5WP-PA6-GD4,FY7,LU8. QSO'd GM3YCB exactly 3yr to date, after wrote asking skeds. Use Viking I, NC300, Dipole 42' up w/Balun. Really GREAT wk Jim om!!

KH6BZF/Lee - "Bloomin Zipper Flipper" - Our "Moon-Bounce" Boy wkd W1HGT/160/Feb his 1st Mass! S "Got a lot to learn abt this band!! INVITES any 160 Boys visiting KH6, drop in (Tel 247-0587) or (Tel 655-1855) for 'Eyeball' -,wl send 'em away loaded w/KH6's yellow "Hand-Grenades" w/Green tops (Pineapples), as he did W1BB in '75!! Tnx a Mc Lee ole "BLOOMIN ZIPPER FLIPPER" - Luck/160

W6BLZ/Ed wkd VR8D Apr4 3AM PST. CONGRATS! Now only needs VT/RI/DEL Fr WAS. Agn, can anyone help? Ed Interestingly tells what DX is like in W6 his 2AM Pst, when it is sunrise E Coast. Sez Mar 10 Fr Example Hrd VK2BC, VK2AHK, VK2HX wkg W4, 8, 0, 2 BUT could not QSO himself. After 4AM Pst all gone VKs/ZLs NOTE!! DJ/KW/GERD Vy anxious Sked/QSOs. W/T4X/R4B & vfb full size GP to 210' Tower on hilltop, or dipole, is QRV!! Believes June/July, 2200GMT Good for VK6. ZLs OK AUG eve & Morning Hrs. Write Gerd Pse Hiltonsperger Str. 3 W 18 -.8000 Munchen 40 Germany. Has wkd JA30NB, 4X4NJ, EP2BQ, ST2AY, Many W/VE. Good luck Boys at both ends of the path!!

SHORT ITEMS ::::::::::: GREAT!! TERRIFFIC!! The ZLs change in fy fm 1875 to 1803-1808 Kcs even tho on 'Trial' basis. Let's hope it becomes permanent - it's working just "Fine and Dandy" !!

ZL3OX/JACK Putting excellent sig into W1 this Spring Equinox. He First became interested 160 1964. Glad U made it to 160 Jack!! JA7NI/KUNY Totals 33 DXCC C wkd/160!! PY, OA8, DL, XW8, VS5KR, VK5, W, EP2, ST2, CP1, OK1, HS1, VR1, VR4, JD1, JD1/Marcus, KG6, VE, LU5, ZL1, XV5, VS6, 8Q6, S21, 9M2, DU1, JA, KH6. (3Missing). CONGRATS!! KUNY is 'extremely actuve and with VFB set-up. Watch for him!! GL om.

VE7BFB/RICK has list 1500 Fixed/Coast, or "Marker" stns. If anyone needs call identification, send him return Postcard. Tnx Rick! KH6CHC/JACK's "WAC" Feb 11 CONGRATS. Nw needs only ND, SD, RI, VT, DEL Fr "WAS". Wants Skeds. Pse contact!! Tnx. W7FS/Keith "Enjoyed openings to EU 75/76 altho didnt wk any w/my QRP rig!!" KL7GCH/CASEY (Kodiak) Visited NC this winter. Tried visit ARRL Bt cdnt make it - Sri! On return found Ants Dwn under 3' snow & Rx Problems bt wl B QRV agn 76/77 Season. GREAT CASEY and CONGRATS!! Ur 160 QSOs this season. Many still QRV & Anxious fr KL7!

W7IR/"Les" "FIRST EVER" W7/160m "WAC" (No.81) issued 2/11/76 afr QSO w/OKIATP. Also 1st W7 Q w/ PA6HIP, G3SZA, G3ZYY & G5WP. CONGRATS!! GREAT!! (85 WACs issued to date Fr 160) W7N00/Dave Hopes activate 76/77, following in footsteps of "Silent-Key" Dad/W7JI, an avid 160er. BCNU/Dave

JA30NB w/1000w & 90' High Ant QSO'd W8LRL Feb 15 the furthest East JA/QSO yet!! (Not "Quite" to East Coast yet tho) CONGRATS GREAT WORK!! Both guys!! VE6AGG/LARRY - ALBERTA Should be QRV when U read this. A vfb "New One" - Luck/Fun Larry and Gud DX!! W6SSS/FRED is our old friend W2IWC a "Young Man Gone West" Hopes QRV/160 soon!! bcnu! VK5KO/JOHN - 76Yrs 'Young' checks band every evening, every day! or at least 300 to 330 times a year! Boy - that's DEDICATION When DHJs S9 on FT101, Ham sigs wl cum thru! Also uses AR88D. Recently got 599 Fm JA2GQO. GREAT!! John om - "Keep Up The Good Work" !! AMERICAN SAMOA KS6, Gene/BRB sez KS6FF & KS6DV might becom 160 minded if enuff interest in them shown by stateside 160ers. Nuff Sed!! JA2G00/KINJI is another Vy ACTIVE Ja - Now DXCC 35/30. Recent Qs W4EX, K5LIW, W5SUS, LKK, MCO-Wa6ZHH, VS5DB, UA6UCB, A35AM, C21NI, VR8D, ZL1MQ, ZL3OX, VR4CW. Uses 1KW. Sez JAs cannot change to 1800-1825 becuz two JA aeronautical Stns/Beacons 24 Hrs on 1816 Khz, BUT hoping for some alternative to 1907-1912 in near future. CHEERS!!! Hope!! Also JAs Hv LORAN Troubles themselves above 1825Khz, for EU Sigs. Their best approach to "Coping" with it, is use of "Mini-LOOP" w/Tube RF AMP, or R4C Rx W/Blanker Sez most W5s wkd, had R4Cs enabling wk thru the LORAN Blanket! Tnx Info Kinji om!!

SOUTH America - SOUTH Atlantic - SOUTH Africa

SHORT ITEMS ::::::::::: ZD7WT, Tommy ST HELENA Q'd W8LRL. EI9J & few Otr EUs. VFB? Congrats TOM. PT2FRU/Maurico Wkd W, LU, ZP, CX, GD, VE, OK, OE PU in '75. Nw modifying his Rx & W1 B bk on 160 Sn!! CE6AE/Fr, Dave's VALIANT II gift de Gene/BRB was put on plane Apr28 by W1WQC/4/HAM & in due time another "New-One" wl be on! CHEERS!! PY1RO/ROLF sez per front cover TransEQUATORIALS on/JUN

DXPEDITIONS - DXPEDITIONS

ANGUILLA/160/VP2EEG (W4GSM)TERRY Dec21 Cdx 'Terriffic', all stns S9Plus! wkd76. THEN poor Cdx. Total 151Qs. DX: OK1, KP4, PA6KV4, EI9, GDA, GM3, G3, HK6, YN1. Trying Nw Fr FS7 Lic. TERRY has DXCC Certs Fm W4GSM, DL4GS, PJ5MO, FP8CO, VP2MAH, VP2EEG QTHs. That's HARD TO BEAT!! GREAT/CONGRATS!!! FERNANDO de NORONHA de PY1RO/ROLF DXpedition co, ing up Oct23-Nov5 all bands w/special effort on 160 Will use Inv V, apex 70', tower on High hill!! & T4X w/ 500w "AFTERBURNER"! (No 160 Oct30/31 tho) TRINIDAD 9Y4NB (Wa9AIB) Dec '75 QSO'd many w/200' wire fm 14th floor HOLIDAY INN window to ground during business trip. Great Stuff - eh??!! ST VINCENT - VP2VAN (K2FJ) Marl-Mar8 w/vfb sig, worked many W/VEs -VFB/KEN - Great DXpedition man!

EUSTATIAS - PJ/USA (K2FJ) Feb 18-Mar 1. Ken persevered, spite of high wind/rain/storm. Got Ant up, & on air w/beautiful Sig. QSO'd many during ARRL/CW test & aftr. Tnx Ken om.KEEP 'em ROLLING!

LUXEMBURG - PA/HIP/Lx/P Jan 17-18 -- Superb 'Paper/Work' w/attention to 'Detail' by Willem, made t... one possible! Sez success due VFB Cndx SUN & gud Ant. STATISTICS - 132Q, 14C, 47 Dx Stns - 1st CW Stn K1PBW. Then 6W1s,7W2,5W3,11W4,W5SUS. (Hrd W6RW 589, bt wldnt Ans!!), W7SFA, (Hrd 7 Ws), 5W8,W9NFC,W1AW,5VELs,2VE3sEA8CR,KV4FZ. Two "FTs" W7SFA & WLJFR. Op PA/WNB, Myself & XYLs enjoyed VFB weekend! Lots of 'Thrills & Spills' & Luxemburg BEER!! BIG FUN becuz not so easy on 160!! QTH Hemerschard, 1550 Ft asl. SAT Am NOT gud - hd Ant Trble & QRP. GREAT ACCOMPLISHMENT Willem & Co. Thanks a "million" fm all!! Now!! we hope to b.c.n.u. Fm MONACO??? We HOPE!!! G.L. & DX!!

CURACAO PJ9JT (W1BIH/John w/160 Op W1TX/Roy) Roy enjoyed vacation on Patio, w/XYL, Transceiver & key in hand, under beautiful moonlight and gentle cool breezes!! Wkd MANY W/VEs & Otrs thru QRN

JAPANESE (JA/UV,2PJC,3KWJ) OCEANIA DXpedition CHEERS & CONGRATS/GREAT EFFORT!! After harsh magnetic storm Mar 26-29, VR8D broke thru to E Coast Mar 30, QSOing W1HGT,W8LRL,K4CIA,Wa4LDM, Wa8IJI,Otrs?. Then later Fm VR4CW broke thru briefly to wk W5USM Apr 22. Otrs?. Was an ALL BAND 'DO' operating fm Mar23-Apr22 fm G21W,VR1AJ,VR8D,3D2,YJ8?,VR4CW. Used Inv V. CONGRATS fellows!!!

GALAPAGOS DXpedition HC1XG/HC8 (Now in progress) Apr25-May9. Pete & K4ERO/John arrived 25th, got on 20m promptly, then put up LF Ants. First 160 QSO abt 0830 Apr28 w/W6BYB/VE1,v/vy gud sig. Q'd Ws 1BB,HGT,kPBW-2DEO,QD,QHH-3CDZ-4BRB,kCIA-W1WQC/4-W8LRL-GYH-KV4FZ. (W1BB's 129th - W4BRB's 96th) On agn 30th but cndx poorer. Great job getting HC8 on 160!! "SALUDOS"!! Operating ALL bands. At end, Pete HC1XG going bk G/land. Has Bn staunch FOC 160er fm HC1XG Tnx! Pete & GL. John/K4ERO wl be bk at QTH K4ERO/HC1. Credit Gene/BRB planting "spark" tt started this deal to HC8 and fr some organizing/wk! The trip costing these boys abt \$600. or more each, and while they're taking care of the bulk of tt themselves, some of us hv bn helping a wee bit. Quite few HAVE "Chipped-In" already. Hopefully more of you will want to help. Please send \$\$\$ % Thomas Stanley DDS 321E Broadway Maryland Tenn 37801, K4ERO's Dad, who can get it to them w/o Taxes!! QSLs must go thru Wa6PDE!!

CONTESTS

GENERALLY speaking, W1BB does NOT try to writeup or report on CONTESTS leaving this for the respective sponsors. However a bit of information does come this way now and then, and is included' if there's space.

176 CO/160/NW/CW/TEST Jan23-24. W3IN Frst nite pretty gud. 2nd High QRN. 46 Dx Q, 323 W/Ve, 79Mult 87374Pts !!! OKIATP Cdx Bad! 209 Q, 18C,16S,31824Pts. Best Dx qHLAV,4X4NJ. Hrd HC1XG,YV1OB. VFB! JA7NI 144Q 479Pts, 11 Mult, 52695Score Top JA Man!! GREAT!! HA/swl-142/JANOS Hrd VE1,W1,KV4, Many EUs. Stormy/Windy/Wx. Just became member HA5KDQ Radio Club, hopes to get "Ticket" sum day Nw! OH2BQ Activity not high. Cdx Poor. Wkd only k1PBW-Loudest USA Sig! Hrd KV4,YV1.

ALL AUSTRIAN 160 CONTEST Nov 20-21 '76. - 1900-Sat) to 0600z Sun. CW only. OEs call "CQ-TEST". Otrs call "CQ-OE". Exchange RST & QSO No. starting w/001. Every QSO 1Pt. Mults:: 2 Pts every OE "Bundesland" (OE 1-9) wkd & 1 Pt every Prefix. SCORE total Pts by Mult. Only one contact per Stn. Top scorers every Country receive handsome certificate. SWLs may compete. DEADLINE rpts Dec 15 Tnx a lot Willy OELKU this should be lotsa fun COMING UP in NOVEMBER '76. b.c.n.u.

GENERAL and MISCELLANEOUS

"TOP-TEN" 160/DXCC LADDER :: (From W1BB's "Countries-Worked" RECORDS, based on last TOTALS reported to W1BB. First # is stns WKD, second # those CONFIRMED. Where 'Confirmed' not given, none has been given to W1BB. Please Always report WORKED and QSL'd!!! QSL'd ones are the only ones that really Count!! This list is the only one that is kept ANYWHERE of "Countries Worked/DXCC-160"!!!)

TOP/TEN:: W1BB 129/128 - KV4FZ ???/105 - W1HGT 110/105 - W4BRB 96/?? - W8LRL 89/85 - W2QD 89/?? - K1PBW 89/?? - W2DEO/88/85 - W8ANO 87/?? W2EQS 84/84.

Coming Right Along!! W2BP 81/76, K4CIA 81/??, PYLRO 74/??, W9PNE 71/71, W1WQC/4 71/??, OKIATP 70/63 K2GNC 70/??, HB9CM 70/??, (DL1FF/Armin was TOP Dx Stn with 66/66, when he became "Silent-Key")

BB realizes this list may not be 100% accurate, "Up to Date". But is the latest info have been given. Please keep the list "Up to Date" for yourself. A "Penny" postcard will do it!! Calls are frnt entered on the list after getting 35 QSL'd. This is the only list in the world of 160/DXCC. ARRL does not keep one. No one does! Except W1BB. ARRL does not even issue a "160/DXCC Certificate" Although many of us are pushing for them to do so - when and if this is accomplished, THIS list may be very helpful!! HAPPY HUNTING and have lots of FUN while "Climbing" the 160/DXCC LADDER!!

NOTE!! SB200 LINEAR CONVERSION TO 160 by W2BP/A1 in August 1975 "HAM RADIO" Mag. VFB indeed!!

THAT "BLEEPER" Just below 1800khz, now and then on 1805. Cant get too much info. But understand it is a form of 'Loran' surveying and positioning signal used by offshore oil prospecting and developement Companies operating in the GULF. KP4AN has done some research and finds they apparentl move from one location to another, and short while back to MARACAIBO where their Fy was 1805, and they have a "Shared" fy arrangement there so cant be disposed of as an "Intruder" into a "HAM BA". Actually, 160 isnt a HAM band anyway - it is a USCG Band here, and we're allowed in on a shared basis long as we dont cause trouble. SOOOOO all we can do is wait and hope that they operate most of the time below 1800 Kcs. (Can anyone add to this info - or correct it?? Tnx)/.

A DX-WINDOW "FIRST" Night of PAØHIP/LX/P DXpedition with those "Super" Condx, Did NOT hear a single solitary "Intruder" in the WINDOW ALL NIGHT!!! GREAT!! Hope we have MORE of these!!

CORRECTION!! P3 Line 19, BULL No.1 --- It is W9ZVE (Not ZUB) who almost has his "MOBILE-WAS". Needs only RI,VT,DEL,SD,LA,NEV,CAL,ORE,MONT,ITAH,KL7,KH6 - not bad for MOBILE!! Tnc K3IXD. HELP????

RECOMMENDED READING (Tnx W5USM/Bill) Ask for "Reprint A-11, SUPER SIGNAL SNATCHER" 8 Pgs. All abt beverage Ants, theory, patterns, termination. Also "Reprint A-15, 3 pages BEVERAGES-RESULTS/TESTS on BC Band". Also Reprint G3, 25 pgs "SUNSET/SUNRISE maps of entire world. Write to IRCA, PO Box 21462, Seattle Wa. 98111 att Phil Bytheway. Most Interesting. Price \$1.00 EACH.

TOP BAND DX ASS'n de Gene/W4BRB Sez Nw Dwn to 75 brochures. Might be gud idea reprint. Helpful to interest HF bands DXers to come to 160! Would do in lighter weight paper and different color. Send contributions to Gene. Nuff Sed!! Will cost about \$90.00.

K1PBW's "USA" 160 MOBILE "SAFARI" 1974 Better late than never mentioning this! Hi! but with a Volkswagen and "Zippy" Ant ERNIE covered all the "Hot-Spots" 160/wise in a "Round Trip USA" to Calif and Return via W1,8,9,Ø,7,6!!! Visiting & 'eyeballing' such active and top-notch boys as WØBAPH(W8LRL) Wal, Wa8IJI/Tom,K8BBI,K8CRJ,K8IBQ,W8KAS/Denny,K9YWO,PAW,CUV-W9NHM,WØNFL/Jim,W7IUV, W7DOL/6-W6NUT,6HX-K6ILG and Otrs!! ERNIE had a "BALL". Operated mobile - REAL FUN!! and FT101 was GREAT!! QSO'd MOBILE w/ 5 DX Countries KP4,HKØ,VP9,W,VE and got SWL rpt fm G/land - a real "Record" Delighted with WAL's 130' Vert & muchos RADIALS. Great to hear JAs rolling in to W Coast, Said "Hospitality and enthusiasm from the gang visited 100% in every way". (Sri so late on this!!)

MARKER STATION IDENTIFICATION VE7BFB/Rick, 2972 W 2nd Ave, Vancouver BC Can. has list of over 1500 Stns, fixed, Coast, CW & SSB operating 1800-2000khz. Sez if anyone sends him complete info, on an unknown stn He'll try to help identify - QTH - etc. VFB & Tnx a "million" Rick om.!!

NOISY VERTICAL ANTENNAS I am told that "Most Noise is Vertically polarized" (How anyone knows that, I dont know) and that, simply, is the reason why an otherwise VFB vertical, or largely vertical 160 meter antenna is so NOISY on receiving !! Points up the necessity of a quiet QTH. Also of having other less noisy antennas for receiving!!

THIS MAY BORE YOU - BUT!! Reference W1BB's Dx Condx "Barometer" --(have a bit more space left, so here goes anyway!!) Remember I said how I judge a season's "Rating" somewhat by how many DX Countries, and also how many different DX stns worked each year - I have - based on fact that I always try to work as many of each as possible . Been doing this since 1958, and IT's interesting -to me at least - to go back and see how things have changed as the years went by and 160 has become a real DX band now!! So here's my records from '58 by SEASONS. First Number before the "Slant/Bar" is Countries wkd. Number after the bar, is No.of different DX stns wkd. -----
'58'59--7/7, '59'60--8/8, '60'61--9/14, '61'62--13/30, '62'63--??/??, '63'64--29/144,
'64'65--29/168, '65'66--26/129, '66'67--24/59, '67'68--31/80 '68'69--33/93, '69'70--14/68
'70'71--17/30, '71'72--38/108, '72'73--46/152, '73'74--45/137, '74'75--62/188, '75'76--64/168.
SOOOOooooo if you think NEW DXCountries are hard to find now, you should have tried it ten to fifteen years ago!! Hi!! (Reason for LOW SCORES in '69'70, and '70'71 you may recall BB went thru sort of a 'Nervous Breakdown' problem those two years - most FULLY recovered now though - thankful about 99% ok!! - and I MEAN thankfully!! Got a lot of 160 DX to work YET!!

COURTESIES FOR WORKING Dx on 160" (See I have bit more space left - so will give a "Preview" on some of the ideas that have come in via letters for the suggested "Code" - see what 'Yall think???

1. CQ only during the first 2½ minutes of 5 min periods. Set Clock Accurately. Thus we're all CQing during the same period and not jamming each other.(As already stated herein)
2. Dont keep working same stations over and over every Day-week etc, so as to give new come first timers, and "little fish" a chance at DX too.
3. When signing with a DX station always give his fy to help those that dont receive as well as you and are having a hard job finding him.
4. Dont "Rag-Chew" or "Local" on or NEAR DX Fys
5. Make QSOs short as possible
6. Keep CQs short as possible

OOOOOPs!! Hv run out space
73!! and HAPPY DAYS to 'yal
de Stew/W1BB

PY1RO/Rolf::

HERE 'TIZ Bulletin "Kickoff" no.1 76/77 Season - and do hope that you have a GOOD one - should with that new QTH and "Super"CSignal now!

GREAT to QSO this early morning - and appreciate all the info on PYLZAE Trinidade - and will be anxiously awaiting word that he is on, time and FYs too --- Have made note you think it will probably 0000 - 0400z -- and am quite ANXIOUS to pinpoint the Fy!! Will be QRX and also try to keep in touch.

GAVE regards to Marguerite and she says "Same to you"

CONGRATS the new QTH - and am QRX for photos - Black and White.

73 de Stew/WLBB

NOV 1, 1976

WIBB --- 160 METER DX BULLETIN --- WIBB

1976/1977 No. 1

DE WIBB/Stew --- Fall is here, and with it the new 76/77 160 DX season, Sep 1 - Aug 31. Makes the pulse beat a little faster for we 160/DX "Buffs" - eh??. We're all looking for and expecting a GOOD one! Its started well, altho many feel not as good a start as last season, with the Sept. Equinox period, resulting in many VK/ZL QSOs, ZE7JX,VR1AA,LULDZ,KZ5AA,PY1RO,VR3AH,KJ6DL, many EUs, and others!! --- TRUST 'Yall been doing your "Home-Work" this summer, getting ready, for 76/77. KV4FZ/Herbie has done his well, developing a most "Super-Super" receiving system using simultaneous an R390A,R4C,75A4 - various antennas, preamplifiers, audio filters, which while a bit complicated, really WORKS!! Includes an UNDERWATER antenna with which he worked ZE7JX/469 Jul 23 thru heavy QRN with excellent signal to noise ratio. KLPBW/Ernie put up brand new antenna, should be a "Dandy"!! WIBB/Stew has been doing antenna work also. Now has 1/10 spacing Inv Vee BEAM that shoots EAST or WEST at will, giving 7db or better gain! Also made quickie try with UNDERWATER Antenna, and worked VR3AH twice with it. YES Sig to Noise ratio is GREAT. Used for RECEIVING only of course. Read VR3 569. EUs come in real well. Also made studies/tests various IF/Audio filters/systems. The new SHFHOOD CF-125/8 is "Super" for cutting QRM. (SEE FEB'76 WIBB 160/DX Bull Pge 6 re UNDERGROUND/ UNDERWATER antennas). W1HGT/others Bn doing Ant Wk, making improvements etc -- how about you???? --- Its official now, ARRL will award a special 160 meter DXCC CERTIFICATE. See Nov QST. (Four have already made it. WIBB,W1HGT,KV4FZ,W8LRL,(maybe another one, or two????) This should increase efforts and participation!! Cheers!! Some of us worked hard for this. Tnx/ARRL! --- THANKS to DRAKE, YAESU equipment, and improved CondX becuz of low part sunspot cycle No.20, 160 has become a very active DX band. The "Good Old Days" of just a handful of "Top-Band" boys running DX "Tests" for Occasional Contacts, are "gone forever"!! --- The Annual "TRANSATLANTIC" & "TransPacific" and "First Timers" TESTS have become outmoded, and will be replaced by another "Arrangement" which should appeal - SEE HEREIN --- 160 is now included in practically ALL CONTESTS, with some special ones of it's own. More and More DXpeditions cover 160. (See HAM News Media Announcements) --- In other words, 160 has become a full fledged Amateur Band, in every way, especially DXing!! --- With MUCH good reporting and Coverage of 160 activities now by the "HAM NEWS MEDIA", WIBB feels that the usefulness & necessity of This Bulletin, which was unquestionable say between 1932 when it started, and about '72/'73, has declined to the point where it may be gradually PHASED/OUT or QSB'd. This fits in with WIBB's circumstances where it is found increasingly difficult, "as time marches on", to keep up with the "Paper-Work" involved - much of which is duplicated by other media. Also it is cutting more and more into my operating time, which I find the most enjoyable part of 160!! --- We read with sympathy and "Understanding", GEOFF WATTS retirement letter of SEP 28 TRULY he has done a MARVELOUS Job all these years, and has carried on bravely many years although becoming increasingly inundated with DETAIL/Paperwork/Etc. His has been a wonderful service to the HAM/swl Fraternity, and his publication will be genuinely missed. Our "SALUDOS" and "CHEERS" to him for a fine job well done. However we all have to face up to the "Facts of Life", and take care of ourselves as circumstances require. His is a well earned and timely change of pace!! Best Wishes Geoff - and HAPPY DAYS always from all the 160 boys who have been helped so much by your DX NEWS SHEETS!!!! TRUST all of us will BOOST his "AMATEUR PREFIX-COUNTRY-ZONE LIST" which will still be available for \$1.00 WIBB has one and finds it an exceedingly helpful and worth/while publication!! OOOOPS!! Running out of space!!

WISHING you all, a most wonderful season of DXing on 160!!

73 de Stew/WLBB and b.c.n.u. on THE band!! & 88's de Marguerite!!

Page 2.) EAST COAST --- TRANSATLANTIC --- EUROPE/ASIA/AFRICA

"PRIORITY No. 1" - Fellows, please excuse delay of this fall bulletin. Just HAD to get my antenna work done before the COLD/WINDY Wx set in - and by golly "Just made it" !! Tnx your patience!!

CONGRATULATIONS ZE7JX/Peter - On "First-Ever" ZE7/WAC made in 2½ Yrs - Clinched wkg VK6IZ JUN26! Nxt Day wkd VK6HD/Mike 569x2! Sez "GOSH was excited, could hardly send code properly. Was more exciting & Difficult than getting the OSCAR 1000 Award!!" GREAT!!! CHEERS!!! Gud example of th THRILL of wkg DX/160! Peter not sure his future w/unsettled condx there. We'all send best wishes fr happy outcome & tnx fr a WONDERFUL job/160. Trust w/ wk out AOK for uninterrupted HAMMING fb ZE7!!!

DOMINICA - W2BP/VP2D/"A1" - "Pulling up stakes"/USA, moving to VP2D, hopefully arriving late OCT for CQ/WW/Phone/160only! Taking R4C/T4XC,ALPHA '76, using Max Legal Pwr & prbly operating lot in 1995 to keep sig up, listening HI/LO. Initial Ant 150' LW w/series Cap Fr 1/1. Glad make 160 SSB/CW skeds! VFB A1! We'll miss yuh - but It'll B fun for U there. CONGRATS winding up hr w/ DXCC 83/79. GREAT!! (Shud Hv waited to make 100 B4 moving??!!) GL!! Keep up the good work!!

CONGRATULATIONS W8LRL/"Wal" - Oct1 clinching DXCC/160 QSOing KJ6DL - becoming #4 "On the totem pole" WIBB, KV4FZ,W1HGT,W8LRL.(Not sure KV4/HGT positions). Wal's 99th, VR3AH Sep28. Wal sez:" VERY enjoyable season. 21New! 70C 185 Diff DX Stns. (WIBB finished season 66C/181 Stns. Anyone else got a "Score" ??) Highlights:JA,VR1,VR3,VR8,ZD7,EA9,9K2,LX,9H1,KJ6DL" That 110' Vert,250 radials, 11 beverages, sure "Going to town" in great style, with great operator behind it!!!

160 DX WITH UNDERWATER ANTENNA by KV4FZ/Herb - Congrats! Jul23 2350z wkd ZE7JX/469. Got 57/89,using 100ft #8 Ins wire & Cascode RF Nuvistor Pre/Amp feeding into 75A4,R390A,R4C w/audio outputs joined into phones. Excellent sig/noise, GREAT!! real pioneering Herb! (Further reference,see WIBB DX BULL #2 Febl'76 covering wk by K7LFY & W7QID on Underground/Water Ants.)

EUROPE & EASTERN USA 160ers NOTE!! - W7FS/Keith sez:"Wud appreciate E.Coast & Eu Boys do us WESTERN boys favor! Last season strong Eu Clg "CQ W6/7" giving QSX Fy. BUT E/clast stns wud get on his fy ans smothering any W6/7 attempt!! PLEASE,E/Coast fellers,on a "CQ,W6/7" call QRX off the Fy!!!!!! ALSO EUs pse NOT ans anyone but W6/7s, this wud help discourage E/Cers fm swamping the fy. If we can ans EUs without scads E/Coasters piling onto the fy, WE CAN WORK 'EM!! SOOOooooo How abt little help to W/Coast boys??" (Kept playing with 188kc nw - wkd 40 Mi, Hrd 60 Mi. tt's REAL LF - eh?!!)

CONGRATULATIONS (First?) OM/XYL TEAM!! - OK1HAS/Ludek & XYL OK1DDL/DAGMAR give good acct of 160 on OK/land.(Ludek ex OL2AAH in '68.) W/2 watts, since 1975 wkd 18c inc USA!! Real accomplishment.. DAGMAR,(Only known 160 YL in Eu), since DEC'75 has 25/23C. (Only otr known 160/yl in world , Helena, YV5CKR) CONGRATS/BEST wishes both many more yrs HAPPY HAMMING on 160 together. (Understand W1FJ (W1CER) Doug, and W1CCK/Jean another coming OM/XYL 160 meter team - VFB!!)

FIELD DAY ON 160 - More stns this JUN than ever! W1GDB/"Whitey" did FB job fm parking lot at Provincetown Ma amongst sand dunes w/ Cntr fed Ant apex 30' High on 2x4, ends to stakes. 25 QSOs, W1LAUZ/Dick/CW helped. - WIBB/1 on fm Northeastern Maine 11 QSOs - seemed gud to hv 160"fully-recognized" FD. --- Incidentally, Whitey, 44, real "Live-Wire". ALREADY, via Barnstable Radio Club sponsorship starting to line up for BIG "Do", 75th anniv. MARCONI's first Transatlantic crossing. To cover All bands, but especially 160!!, starting JAN 1978!! Has wonderfully enthusiastic letter fm Marconi's Daughter. Trying for special USPO 15th Marconi Memorial Stamp. Also trying for "Sister" stn in G/land to "Re-inact" messages. Stn to be on CAPE COD with call KM1CC. Will need lots of equip/wire/etc so w/ be asking for donations come '77. Am sure we'll all want to help -- all we can, after all, MARCONI was the FIRST 160er - eh? Well - pretty close!!

GOOD IDEA - W6IUB/Tom sez: "We shud encourage DX Stns who want 160 activity in Contests etc, to let the world know WHEN he w/ be QRV/160 - why dont we Hv an announced time for 160 activity on all major tests - say on the hour or half hour!! Let's standardize on sumpin like this!!" WIBB think each contest should make such notation if they want to, similar to ARRL's C-D parties, and others. HOWEVER why cant we individually try "On the hour" and "On the half hour" for a starter, all TESTS.

ANOTHER "WAC" - W6BYB/VE1/JOHN,sez: QUICK!! Bottle CHAMPAGNE!! (A la PY1RO) - got the "BIG-ONE", ZL4NH/569 APR30,05k,0433z my449 BIGGEST THRILL!! , Nw WAC/160! and 61st Cntry fm hr.,LULDZ. Turned Inv L arnd, added 20 more radials to do it!" EXCELLENT!! Sri ur moving fm VE1. FB visitations on way dwn coast "Mini-Hamfest"/Halifax, w/VE1MX,CD,AST,AXT,BCZ,ZZ,FQ,Otrs. WIBB & W1PL Vy Happy so c u too NOW John has settled dwn in BILLINGS MONT (Box 20052, Pioneer Sta. Mont 59104) w/new Mobile Home, 200x400ft lot for Ants, hoping B bk on by Nov 1st or so!! Starting for a W7 record now!! W6BYB, 7 Very fine John om - keep up the good work and BEST OF LUCK - b.c.n.u. on 160.

D4BEG/Mike sez: "Hd great 75/76 season: 250 diff USA stns/all dists! Getting new Rx 76/77 hope to do btr! "New-ones", EA8, VP2EEG, HKØYN1, PJ9, VE1BFV (Sable I), VP2VM, ZB2CJ, W4EV/VP9 & ZE7JX-Real THRILLED abt him! - score Nw 52C/51!! Missed JAs becuz LORAN, poor 1910k fy etc. Wkd two VKs. Nil/ZLs. Missed KH6, ZD7, 5B4, EA8/9, LU, CE2, OM2, HP. - Mike QRM'd by local phone Coast Stations on 1827 - Ws shud stay clear, really 1825 to 1827 only usable Fys left. Tried above 1830/31, NIL. Below 1825 USA SSB QRM. I d not favor another "DX WINDOW" anywhere. (SEE under DXpeditions, Mike's report on 9K2GB, Kuwait)

SHORT ITEMS HB9RM/Ed uses "Invisible 1/2 wve end fed ant - does well - JUN wkd ZE7JX, ZD9GF, PY, KP4, KV4. QRV 76/77 esp fr W6/7-VE7-KL7 & NA VPs. Early DEC will activate 4U1TU!!

W3FM (Ex W3HUSO)/HARRY Congrats!! New Call - Nw Active/160 agn. Did his "Homework" this summer, put down 234 radials - what a job cutting 17 slits too in pavement- under Inv L which outperforms old 87' Hi Inv V. (Yep, Radials are real "Pay-Dirt"!!) (& Inv "L" a vfb ant!) Wa8MOA/Bob Casts another "Vote" to move DX-WINDOW to 1975-2000Kc becuz SSB splatter & occupancy 1825-30 out his way. Sri prblm Bob - Hope eventually can be wkd out! GL. W8BHD/Bob planning Gamma match his vert tower w/various ants on it, 75' high, mounting Tuning Cond in watertight Ammo Box at base. That "Trusty" carbon plate UV211 he still uses w/ like it!! EI9J/Paddy "75/76 didnt open til mid DEC. Then thru MAR vfb. JAN/FEB skip sum nites allowed W5,9,Ø to predominate, w/ E/Coast dwn in noise, instead of blanketing Western Stns as they usually do!! Wkd all "Ws" & VE7. Funny, poor cndx always coincided w/Tests!! TransEQUATORIAL s disappointing. Didnt wk single SA!! Hv suggested to G8VG/Bill antr FOC/160 test." Tnx! PAØRYS/G.W.M.R. CONGRATS on WAC!!! Has new QTH beside N.Sea DUNES. Installing 60 tower w/Gamma & Radials, ground screen, Sez their Sec/STATE nw talking abt widening 160! HOPE so! GL

Wa3UTC/Chas Newcomer sez "160 Big Change fm 20 DXing - like it!! Welcome! Uses DRAKE w/ 100' LW 25' Hi. Wl Hv Vert also. FB. OK1ATP/Jarda Nw 71/70C w/ 9M2AX, a "First-Ever" Congrats!! Great!!

VE1MX/Harley Hd Gud Summr. Q'd: EI, PAØ, G, PY-s9 plus, GD4, DJ, ZL, VK. ZL3GQ AUG25 #62. VK3XB SEP15 #63 Nw 63/53C. FINE! Shunt feeds new beam tower. Hoping fr mny DXpeditions 76/78 & New Cs-We TOO! fb

Wb2JYM/TOM ardent contester (Ex MIT RC) bot new house, Temple Mt Hill expects B on 160 76/77.

OK2PGU/"Rosti" HAS NEW VERT ANT (w/ help OK2BQUØ), 18m hi, top loaded w/ 20,40m radials. Nw gets up to 2 "S" units btr rpts than w/inv V. Fb summr - Q'd W1BB/HGT/K1PBW-2DCØ-8LRL-VE1AXT-KV4FZ-PY1RO MAG-PT2FRU-LUIDZ, ZB2CJ, ZE7JX, ZE2KV, 9AØSV, C31JX, 5B4PW, Nw 39C/32 & 5 CONT. - Wkd UW3PAW & UB5SAA & awaiting QSL -Phoney?? VFB Rosti om! KØDCF/Tony "Made it out of the country on 160 at last!! Wkd PY1RO MAR14 h439/m249! Hi! w/Ranger & Short wire 15' High Rx SP600 w/CV-59A Prod Det" VFB TONY!!

2LW (Ex W2LWI)/BOB O.T. BACK ON 160 in 3 yrs made 63C/59 w/ 3/8 Wve inv L, plus 1/2 Wve, R4B & Home Brew Tx. CONGRATS & Luck!! CONGRATS W5USM/BILL Only W to Q VR4CW DXpedition/160, Tnx to tip w/ W5SUS. Bill sez HI8XKC/Bob Clark PO Box 1157 Santo Domingo, Dominican Rep. & VP1DS, Dan Stutzman, Punta Gorda, Belize - w/ lil encouragement fm gang might get on 160!! Nuff Sed. Bill trying various "Slopers", Inv Vs etc w/sum interesting results. CONGRATS W5SUS/JOHN "First-Ever" W/Tonga A35AF, mid JUN #60, a real juicy new one! GREAT (Tnx W5USM) 160 DXer Wa4LDM/Jack becomes FOC VFB!!!

KENYA/524 expected on fm Oct23. Tnx W1HGT O18CCH/KAROL w/"Youth" license fr 160 only Nw QRV/160 & already 25C. VFB!! G/swl/Geo Viner-BRS33541 sends many FB rpts w/VEs hrd CW&SSB. Asks SSB atns always give call w/phonetics to help get correct call, since swl/s cant ask for repeats. True!!

Wa9UET/Ray opened 76/77 w/ VP1MPW. Nw 33C/32. NEEDS Wyo&KH6 Fr WAS. RANGER & 975' LW & Hy-Tower VFB Ray!! DXCC/CORRECTION ON KV4FZ/HERB - Clinched APR 22 1975, Qing TI9DX. All 100 Crds within 5 Yr period fm KV4. Quite a RECORD! CONGRATS!! (Nw has 112 total - latest VR3AH SEP28. #111, ZE7JX)

"FIRST-EVER" Non-USA 160/WAS chalked up by Herb/KV4FZ JAN26'74 when Q'd Wb2CKS/1 VERMONT! More CONGRATS! (Who Next??) LOW ANGLE RADIATION ON 160 See K4DJC/Ed's vfb article "How to add inverted Vee or Delta-Loop to your tower" Pge32 JUL'76 HAMRADIO Mag. Nice MARKER STATION DRJ (Tnx W1HGT) on comparatively QRP Nw & so not hrd as much or as strong lately - means band may be open, even if U dont hr DHJ. Believe and hope w/ B bk on QRO later. 4UETIU/JOHN(W2ØD) tried 160 MAY16. Cndx not Gud-wkd EUs only. GOOD try tho!! K4DJC/Ed has SWL rpt de 9X5AB/RAWANDA - sure makes a feller "Drool" just to look at it!! Nw has 4IC/36 inc HKØ both Seranna & BAJØ. Took GA. ARRL/160 Test. Not bad for "First-Timer" !! Congrats. PAØHIP/WILLEM CONGRATS!! Nw 61C/60 w/ LUIDZ Qso JUN26.GREAT!! Now "ON TO 100", BUT, has S9 Noise prblm just started, cant locate. VY SRI!! GL OK1DVK/VOJTE uses 125m LW 25m Hi-Gud bt needs btr. Thinking of DELTA LOOP. Hopes QRV 160 100% 76/77. Teaches Ro Class Svrl boys. FB Vojtech om! WELCOME SI/K5JRN "Fugitive Fm 20" wkg 160/DX "The Hard Way" Nw fm a Texas apt w/25w Homebrew (90w Sn) 12' Helical Vert, 1 Grnd Rod, no radials-3 Xtals. Has 30 states, both coasts, but no DX- YET!! Sez "Wkg 160 DX fm Apt represents to me the ultimate challenge in HAM radio - wl see what I can do!!" ALSO writing book abt 160 - more later. Sez agn, "Top band is indeed a "Gentleman's Band", the guys are GREAT!! " Welcome Si - HAPPY DAYS/NIGHTS on 160!!

IMPORTANT!!! 160 OPERATION IN EUROPEAN REGION 1 ADMINISTRATION COUNTRIES (de W4BRB/Gene) As you know many European Countries say they cannot get on 160 because it is not allowed by the IARU regs.

(Page 4.)
However Larry Price W4DQD has dug up "Footnote 194" to these regulations on pge RR5-18, 1976 Edition published by Sec ITU/Geneva -- In effect it says that all that is necessary for Amateurs of NON/16 countries to get on 160, is for their GOVT to notify the ITU they wish their name added to footnote 194 along with AUSTRIA, DENMARK, FINLAND, IRELAND, NETHERLANDS, GERMANY, UK, SWITZERLAND, CZECHOSLOVAKIA. * Additionally Amateurs may request permission to carry on experimental work on the band - It is hoped this will help some "Restricted" Countries to get on. (Tnx W4DQD - nice work!!)

WEST COAST --- OCEANIA --- JAPAN --- ASIA

HERE'S A "GOOD STORY" de W7TO/Dave - "HOW I GOT INTO HAM RADIO" - when kid, lived 4 miles fm NavyRanch NPL w/it's 3,660' towers & Scads cage ants, w/50KW SPARK Tx. When in bed used to hear those NPL signals thru RUST/IRON Detection in my bedsprings - kept me awake - JUST had to know what they were saying!! SOOOOOO LEARNED THE CODE!!! --- Dave sez Excellent article fr anyone with or thinking of vert on 160 - "Ground Systems as factor in ANT efficiency" IRE Vol25 #6 JUN 1937 -- Talks of his days w/NAVY in Alaska w/Beverages 35' up and 15,000' long!! Thinks originals put up by BEVERAGE himself - they worked!! Also tells how effective ants ovr salt water gnd plane are. -- Hopes to hv gud ant 76/77 400' "T" vert Ant 190' high using RR track, parallel and underneath fr gnd. -- Spent 8 Mos on Fernando de Noronha & gives tips to PY1RO fr gud 160 location there, (Also 6Mos on Ascension) -- Looking fr "ideal" 160 receiver, per pge 151 Jun/QST! (Arent we all!!) Anyone help?? Has tough PWR line noise problem - searching for it. Also has new Ground Screen - helps a LOT - real "Pay Dirt"!

VR1AA/DAN - GILBERTS sez "May I record a BIG No! to VE3EK's saying DX WINDOW be moved to 1990-2000 Khz!! -- One of biggest helps getting on 160 is FT101s, BUT if U dont hv Outboard VFO, takes 12 turns VFO Know, plus 2 turns Preselector, to go fm 1805-1995 - roughly 12 seconds between "Overs". W/ outboard VFO you only return preselector Fr every over - even this a bit ONEROUS. SOOOOOO if we have a "WINDOW", lets hv it near the USA sector!! Tnx for the info DAN om & CONGRATS FB job on 160

JA 2GQO/KINJI Feb-Mar wkd 7, W5s & W6 - tried hard wk many Ws all 75/76. Developing btr ant and maybe Btr Fy for 76/77 Making real valiant effort QSO many Ws! Congrats, ur patience/perseverance!! Loran and absorbption by AURORA W's worst problems. --- 7JLRL whose dipole hd one end under water at times!!!! wkd many JAs -- Hrd AG6JFY, KL7, LULDZ, VK, VR1AA, VS6DO, ZP9AY, W4, W6, W7, ZL, YB7HB. Nw 37C/37D. Sez JA3AA publicized "BEST FIVE" 160 JAs: 1. JA7AO(41C), JA3ONB(39C), JA2GQO(37c), 4. JA7NI(24c), 5. JA3AA(32c) CONGRATS to all!! & Tnx Kinji om. The JA Boys are all doing vfb job on 160!!

W6DAO/BRAD 75/76 EXCELLENT!! Made WAG!! Sum dips bt mostly Gud DX. JAs poor hr. EU peaked 1 1/2 Hrs once. Wkd HV8, YV1, GM3, KZ5, YN1, PY1, LUL, VP9/mm, PJ9, KP4, HK6ZF1, TI9. ZL2BT my biggest thrill w/ RANGER. KH6CHC evry eve w/ S9 sigs-Hrd his QSO w/ GM3YCB! Hrd EA8CR/9 but E/Coast boys gave no chance for W/Coast boys to get thru. -- Also ZE7, G, GD, 9H1, VR1, VR8 wkd. This summr wkd HK6AA/s, LULDZ. JAs dwn. Wkd E Coast. 76/77 Hv Hrd DHJ & PA6HIP already. Unidentified HJ65 stn arnd 0300z????? vfb & Tnx om

FALL EQUINOX PERIOD - Opened SEP 1 w/ZLs, VKs, VR1, KH6, hvg VFB Sigs into USA & QSOs as far EAST as "The Easternmost Point in the USA", EASTPORT Maine, near which W1BB/l's summer "Farm" QTH is located. Optimum time being sunrise at W/VE end/path a half hour before and after. On OCT 30 sum OCEANIA DX still cuming thru! Long period this year. Oceanian boys missed VE1 often ^{they} not on early on

CONGRATULATIONS KUNY/JA7NI (Kunikazu Tomigashi), AUG 21, at JA/160 DX meeting OSAKA '76 was awarded the JA/W1BB-160 Meter DX "CUP" for "Outstanding accomplishments" on this band. Besides his extreme activity, a "Leader" or close "Runner-up" in all 160 operating activities, he has wkd MUCH real DX inc the "FIRST-EVER" JA-A35 QSO. Active in TTransPACIFIC Tests - Heard W1BB & W1HGT on E/coast - installed special 160m DX Stn on hilltop w/ Inv V - keep exceptionally NEAT stn, and a very meticulous LOG - besides is a "Great Guy", well liked by his contemporaries. "SALUDOS" KUNY!!

JAPAN LOW BANDER ASS'N - JA6ACZ/M.Saski (424 Maebaru, Ijijima, Fuluoka, JA) Editor, doing excellent job promoting 160 Oprng & DXing & lists their "Great men" on 160. JA3AA, 1MCU, 7AO, 7NI, 3ONB, 2GQO, 5D, 5DQH, 6WGE, 6GUV/1 etc. Hottest news 7JLRL Dxpediton OKINOTORISHIMA Is wkd 106 JAs on 160. CONGRATS!!

JOHNSON ISLAND KJ6DL/Mary (K4KEW) NOW ACTIVE - SAT AMs 1000-1100z Tx 1995, QSX 1800-05 & 1950-2000. First time on wkd W8LRL 1st W (& Wal's DXCC No.100), JAs 1VVA, 2GQO, 3ONB, AMQ, BDB, 7NI, AO, KL7GKY, and KH6CHC. Has Inv V Apex 90', ends 50', partly ovr salt ocah, w/ add radials. Thinking of BEVERAGE. DRAKE equip. Sez "Onli 1/2 mile fm 1 1/2 Million watt 1850k LORAN. Drake 400 cycle filter & BLANKER sure helps! (Reckon he still gets plenty residual noise!) GREAT!! Marv - CONGRATS! "Keep up the gud wk"!

MORE Fm VR1AA/DAN - "Even present WINDOW doesnt help - no one tunes it for Oceania" (Agree!!) FT101 set to instructions bias level gives 22 watts RF out - but by altering bias for 160 CW only can get abt double, or 40 Watts RF out!! REMEMBER to put bias back for phone or HF bands!! Now hv 10c wkd. Got VR8D, VR4DX. Missed HCLXG/HC8. Wkd K3NPV 569x2 0631z MAY4. Not another stn hrd!!!

SHORT ITEMS **AM QRM de W7FS/Keith** - Petitioned FCC fr abandonment becuz BROADNES & Splatter 160/QRM . AM boys causing most trble shud try clean up quickly, any improper & uncoopera operation, overmod. etc quickly. **VR3AH ON SINCE SEP** gg "Great-Guns" w/beautiful sig & VFB RKing capability. QSL via K2BT **MOBILE "WAS" -K9ZVE/TOM** Needs only Me.,RI,IA,NEV,UTAH,MONT,DEL,ALASKA, & Mail. Who can help him?? With Skees. Pse Write 1637 W 35th St Chicago 60609 ILL & Tnx a lot!!

6UA/DALE - Sorry his BAD auto accident-he & son went over 200' Cliff! **VK3CZ/ARTHUR** on 160 EVERY day OCT thru MAY '76 (That's devotion!) sez Condx not too bad. Wkd G3ZYY,GM3YCB,G3SZA,PS/RYS - Hrd mny otrs & Svrl Ws. 160 open to EU arnd 1830-1930z & to W/VE-Eastern,0930-1130z. GM3YCB was his "MOST FB QSO", a NEW C4! **W6RW/ROGER** - Hitting 160 big way w/ 4 VFB Ants. 1300' LW cf. 1/2 Wve "Sloper" on E side 500' Hi hill. 2el Yagi and Inv VEE. Now 43C/40/ Excellent for W Coast-Congrats!!

CONGRATS VS6DO/PAUL - Wkg OKIATP 75/76 plus W6s,7s & "Almost" a W5. Paul traveling a lot/vy QRL Radio time short. Hopes btr later w/new Hilltop QTH. G/luck!! **W6BLZ/ED SUMMER ACTIVITY** sez on W Coast "Nil". Congrats Ed - ONLY W6 to wk VR8D APR! Also wkd VR4CW. NEEDS only RI,VT for WAC-LUCK!! OCT Bk fm G/land visit-saw onli 3 or 4 HAM ants. Started 76/77 wkg VR3AR (Needs QTH!). Hrd VP1MPW.

ZL3OX/JACK - Sez to W1BB "MUST be gud live where it's easy find DX! Our nearest Country VK,130 MI too close to count as DX! HI!! JAs hv hard job Q us thru their LORAN. Quiet hr - can hr lots of Dx - tt cant wk! Am 62, TV Biz, often dropped by helicopter to service repeaters on hills. Vy QRL.

JALHKP/JUN - Sez "Many QRV W/Ve & Oceania w/gud signals. Many Hv Q VR8D,VR4CW,VRIAK". JAs that South/AMERICA - Central/AMERICA - GARTIBEAN - South/ATLANTIC - South/AFRICA

LUIDZ/ALBERTO - Bn doing VFB '76/TransEQUATORIALS. Wkd JALWWI,GD4,PA/GM4,G3,OK,W1-2-3. Has 20C Nw. uses Home/b 813s KW,HQ180Rx,ant TRAP Inv V 60'Apex,189' Long. DISTANCE NOTE!! His JALWWI Qso SEP6 569/579 is abt 18200km or 11300 MI, besting LU5HFI/JA7NI 17,800km or 11050 MI previous SA Dist.Rec. CONGRATS!!! (PREVIOUS DISTANCE RECORDS RECAP: - Miles --- G6GM/ZL3GQ,11940. G3ZYY/ZL3RB,11926. G6GM/ZL3RB,11864. G3PU/ZL3RB,11881. G3CFV/ZL3RB,11719. W1BB & W1HGT/VK6HD,11616. LUIDZ/JALWWI, 11300. LU6HFI/JA7NI,11050. KL7HEE/VP8,10955.) Alberto 31 came on 160 fm HF 1974. Sez "L.8 is REALLY vfb!!" Has wkd Total 60 DX Stns, 17C/16, 4Cont. Building new Xcvr & Linear. Expects B active 76/77. Handicapped by small yard and small ground system. KEEP up the good wk Alberto!! G/luck!!

SHORT ITEMS **PT2FRU/MAURICO** Very active 75/76, on daily 015500205z. He & Oswaldo/PT made many observations/studies & submitted comprehensive resume TransEQ test cdx. (Available on loan thru W1BB) JUN 10 Big Nite. QSO PA/HIP,HB9RM,GW4AEC,G3RCE! Unusual Condx JUN23. Nw in school 30hrs classes, BUT w/new VFB QTH W1 B on fr NOV Tests etc CW/SSB,KW & 2 Gps. Fb/Congrats, & G/Luck!

CONGRATULATIONS PY1RO/ROLF - NEW TOWER/HILLTOP QTH GOES INTO OPERATION!!! Afr many months of backbreaking wk, lugging all cement, sand,lumber,water,supplies, in & UP 200' by Hand/Back. NOISE Nw S3 or LESS.(Old QTH S6 min to S8 or 9!!) Ant Inv Vee or double ZEPP w/6000hm open wire feeders. Ea leg 260' long E/W running along top of ridge w/apex atop 100' Tower!! First results seem "SUPER", & w/only 80w. W1 Hv "Full Gallon" shortly. Greatest advantage is 15DB less noise & 3 DB Gain fm Ant system. Already has wkd VP8MS,ZL3GQ for "New-Ones". NOW!! Watch the Champagne flow!! One bottle for each new country worked!! GREAT ROLF!! **LU6EF/RAUL** QSO'd Paddy/EI9J APR23 0030z 579x2 & 2 Otr EW

KZ5AA/DAVE Who gave many a "New-One" 75/76 sez "If get my "Sloper" up agn w1 B QRV 76/77! HOPE!

PY2FUS/"RON" Still wkd on "Beacon" plans fr "Someday". Wkd GD4BEG 75/76. Sends 73 to all his USA friends W5RTQ,KV4FZ,W2DEO,W2RAA etc. Tnx RON & GL! **TRANSEQUATORIALS** arranged by PY1RO/ROLF & EI9J/PADDY month of JUN, went very well. Several "Super" openings & many gud Qs altho participation down fm previous yr. **MEXICO CAN BE ON REGULARLY/XE IF** interested XE1FR/KEN Montgomery, (W5ABY) Apartado 120A, MORELIA, Michoacan, Mexico can get equipment! Has 75S3 but needs transistor or other converter. Cud pick up at daughters house/Houston Tex. Anyone interested or able to help, Contact KEN.(XE1OM will loan him HEATH AM/CW w/160 Tx - May interest someone!! **THRILLED TO HEAR FM HK2DP** Frank, who W1BB QSO'd '55 Cntry No.30 Sez w1 B on 160 soon as can get organized. Has Yaesu FL-DX400 wonders if anyone knows hw cud B converted to 160?? Write F. Brave, Box 1083,Santa Marta,Columbia. All set for Rx. GL Frank & b.c.n.u.!!

"FIRST TIMERS"

Per page 1, the Annual TransATLANTIC and TransPACIFIC and "First Timers" tests as previously run, have become "Outmoded" by the "March of time", wherein 160 has "Come into it's own", with good equipment/operators/conditions - many participants, and DXing has become more commonplace. However, from the many comments received it was apparent that the boys didnt want to "Let-Down" the "Beginners", or those who have never experienced their great THRILL of the FIRST DX QSO on 160!! GD4BEG/Mike has come up with an excellent suggestion, which we will adopt, and see how it goes.

MIKE originally suggested 1/2 Hr "PERIOD" every Sunday Morning 0600-0630 during JAN/FEB ----However, His plan has been modified to give WORLDWIDE coverage, and MORE opportunities to ALL! YEAR/ROUND!

1. The FIRST 10 Minutes of EVERY hour - every DXing hour, that is - when DX is believed possible, SATURDAYS and SUNDAYS Worldwide will be known as "FIRST TIMERS DX PERIODS"
2. Very simply:: "FIRST-TIMERS" will make their special efforts then, using regular long Fys and "CQ-FT" calls, knowing that MANY "Regulars" will be CAREFULLY looking for them and trying to help.. Regulars may also call "CQ FT only" if they wish.

It is believed that with the shorter "Periods", Many "Big-Gub" DXers will be more inclined to Join. It should help them too in looking for NEW Countries - we hope that ALL experienced DXers will do whatever they can to help. ---- SEEMS like it might work - SOOOooo... lets give it a try - OK??????

DXPEDITIONS DXPEDITIONS DXPEDITIONS

BAJA NUEVO HKoAA Brand NEW one fr many. Excellent Job w/fierce QRN - LUCKY they wkd any! W1BB's Nr 30 -Tnx W4BRB helping w/160 RIG & Navigating/Loran equipment to actually FIND Baja Nuevo!!

SAN MARINO -9A1SV by G3sed/Mike, RARE one!! Wkd EUs. But Local Noise made W/VEs impossible. FB TRY!!
CONGRATS AGN K2FJ/KEN vfb DXped/QL wk VP2VAU & COMMEMORATIVE PJ/USA Crds & story. We'All Tnx U!!
Inv Vs, Apex35'-160Q. PJ/USA/47 inc PJ9EE & HKØBKK - VP2VAN/46 inc PJ9JT, GD4BEG, PY1RO, VP9BO and!!

"First-Ever" VP2V/GM3YCB! (Hrd G3SZA & PAØHIP). Sez "Vy Bsy 2 wks Holiday, but MOST ENJOYABLE!! Now Cums QSLing - takes time - but has it's good points. Tnx a Mc KEN Excellent job "as-Usual".

CHILE - K6SE/Dr. John/CE hoping for operation around Christmas Time - here's hoping!!

KWAIIT 9K2GB de MIKE/GD4BEG Apr Luscious NEW ONE - Sez "Thoroughly enjoyed, spite of amazing HEAT & QRN strongest ever - understand Nw what boys Nr Equator go thru - appreciate their efforts!! Lucky hvg it business trip & help of sister/brother living there. License a STRUGGLE - but specially write w/ broad priviledges. Had loan two 80' Crank-up towers, w/ "ZL-Special" Ant wkd 200ks plus HB9RM, G3SZA, GW4AEC, G3YMG, PAØHIP, G3SED, ZYY, YXM, EI9J, W8LRL, W1HGT, K1PBW. (W8LRL's 96th!!) VFB!! Do it agn MIKE

JAs SOUTH PACIFIC DXPEDITION Mar/Apr'76 by JA3KWJ, JAØCUV/1 & JA2PJC. CUV/Tak reports:: Fm VR8D w/ FL2500/R4C, Inv V 44' H1 fm Palm Tree - "FIRST-EVERS", VK2AHL, W8LRL, VR1AA, JA2GQO, KH6CHC. Hrd W4EX 589

every nôte. --- Fm 3D2:: NO permission. --- Fm YJ8CW:: YJ8AN's QTH/Equip But NO 160 ant available. --- Fm VR4CW:: VR4AB's QTH - "First-Evers" JA7NI, VK2AHK, ZL1MQ, VR1AA, W5USM!! Poor openings to USA

used 80/160 duo/band inv V & FT101/FL2500. A really GREAT DXped - CONGRATS all these intrepid D...s!
BARBADOS ON 160 By W1GER/W1FB/Doug/8P6EU & xyl W1CKK/8P6FJ/Jean & W8JUY/Bill/8P6GU. Two Stns Doug's

FT101D, JUY's Kenwood TS820. W1 Ws btwn 1800-1810, DX 1825-30 Mostly 160CW. Do not hv outboard VFOs

DXPEDITIONER Wb4ZNH/CARL CONGRATS vfb CAYMAN/ZF1NH SEP Job. 15 Stns wkd theu terriffic ear/busting lightning storms. 1/2Wve dipole fm 4th fl Holiday Inn -- Nw has BAHAMAS C6A Lic. Hopes on thr this

winter --- Embarking 2 Wks Pacific trip arnd Thanksgiving. W1 try activate FO8, or 5W1, or KC6.

DXPEDITION INFO de W8LRL ZD8 Nov CQ/Test by KP4EAJ, EKI, Ea4TLB --- VP2G Oct CQ Test/ssb, W5MYA --- FS7 Oct23/Nov10 W4GSM/PY1RO/Wa4DUS. Tnx "Wal" om.

GENERAL and MISCELLANEOUS

"GLAD I MADE IT" !!! (Hrd by W1BB one morning just after the band 'folded' - just gotta SHARE it w/ 'yall - too good to keep!!) Sta A to Sta B, "Did you hear me with HCLXG/HC8"??--Sta B, "Yes" -- Sta A, "Did I QSO him?" -- Sta B, "Yes" -- Sta A, "What was my RST?" -- Sta B, "Sri but didnt hear that" -- Sta A, "Sri too BUT GLAD I MADE IT!!"

DXCC and CHANGING QTH Per ARRL rule 9 "All DX Stns must be contacted fm same call area, or same Cntry where no areas exist. ONE Exception, when Stn moves fm one area to another, or one Cntry to another, any contact IF within 150 miles of the original location is valid towards DXCC.

GREAT DXCC NEWS de ARRL Fm Directors meeting/Denver/AUG decision to issue CERTIFICATES Nw for 100DXC

Cntries wkd on 160, stating NOV1. QSOs starting Nov 15 1945 acceptable. Send few more than 100 Crds if available so AWARD can be issued without lot of correspondence, just in case one or two Crds might not qualify when checked. Endorsement stickers for additional C wkd ovr 100 will NOT be supplied.

Send \$1.00 to Hv ur crds returned vis UPS, or \$4.00 via registered mail. THERE YOU HAVE IT!! sumting all we 160 "BUFFS" have bn agitating for a long time. WONDERFUL and GL to you all, for DXCC/160 Soon

160 METER "WAS" NET K3IXD "The 160m 160/SSB Net -0900p EDT, WED, 1812k, are Nw starting a 160/WAS net inititally Ø300zTHUR 11PM EDT/WED!! w/format like vfb BICENTENNIAL WAS Nets. If enuff interest, net can be expanded to otr nites. Good chance to meet and, work towards WAS, test new rig, etc. LUCK!!!

OOOOOPS Agn running out of space -Hv few more items - sri wl hv to carry over to Next Bulletin.

Have a HAPPY 76/77 Season!!!

73 de Stew/W1BB

PYLRO/Rolf om

BULLETIN time again - and here's YOUR copy!!

BEEN hearing that lovely signal of yours back on from PYL - GREAT!!

CONGRATS your FB DXpedition /ø GREAT!! SEE page 6

HAPP Y times on 160

AND "What's New"???

73 de Stew/W1BB

W1BB
STEWART S. PERRY
36 Pleasant Street
Winthrop-02152-Mass

FEB 1, 1977

W1BB --- 160 METER DX BULLETIN --- W1BB

1976/1977 No.2

de W1BB/Stew :::- The "State" of 76/77 160 DX is GOOD!! Although there have been many BAD times, ("Par for the course" on 160), the good times have been GREAT!! W1BB's 160Dx "Barometer" confirms this. To Feb 1 75/76 BB wkd 140 diff Dx stns in 56C. This 76/77 season 151 diff DX stns in 60C. (What's YOUR score?? Psd to Hv Fr BULL) --- We've had some unusually good long-haul openings. EU to W6/7! - EU to W4,5 - USA/Oceania. As usual, one has to be "Johnny on the spot" to get full benefit - like fishing - gotta B there when theyr'e biting. But this makes 160 most intriguing, exciting, & the "Chase" worthwhile- doesnt it!! --- W/ accurate 10w G6CJ wkd VE7UZ!! --- 76/77 w1 B remembered as the Yr of "Super-Stations". K1PBW/Ernie & K6SE/Earl leading the way, each w/ TWO 1/4 wv verts in phase, extensive ground systems, Beverage Rx Ants. KV4FZ/Herb w/most excellent set/up practically IN middle of ocean, 350' Tower holding ants, fabulous Grnd system, many kinds Rx ants including underwater, QUIET qth. W8LRL/Wal's beautiful vert w/many radials, many beverages. W1HGT/Ralph's "Slopers". ALL w/ exotically QUIET QTHs, the most important factor in 160/DXing, and all, excellent operators. Look at Herb & Ernie's CONTEST scores!! Many otrs Hv excellent, above average Stns. DX/wise:: PAøHIP, GD4BEG, G3SZA, G3ZYY, JA3ONB, PYLRO, VK3MR w/60' High Rhombics in marsh, ZE7JX, OH2BO, and otrs Hv Bn really "Cutting the Mustard" !! --- Quite a few of us with less favorable set-ups, noise problems, operating time, etc have Bn giving fairly "Good accounts of ourselves". But MOST IMPORTANTLY we're all HAVING FUN!! 160 is THE band!! Still, a "Gentleman's" band!! (Altho, slipping a little!???) --- Proposed new 160 REGS 1750-1900Kc, while not ideal dont seem too bad, and if obtainable will allow 160 DXing to function much as we are, maybe a littl better!?? --- BUT, whatever happens, we MUST keep the "DX WINDOW". It is working out quite well!! IF you question this, you DXers, stop and think, what it would be like without it at all!! Like all good things however, we've all gotta work hard, all the time, to keep it!! Let's DO!!! --- ARRL has issued FOUR DXCC/160sto date :: W1BB/137C, KV4FZ/118C, W1HGT/100plus, W8LRL/111 ---- W4BRB/102 & K1PBW/112, waiting for few cards. --- RUMOR: W2QD & W8IJI "Over". -- W2QCW/94C, W4YWX/98C, W9NFC-W2EQS/96C, K4CIA/90C, (And Otrs??) CLOSE!! Hv no info on DX stns. --- IT'S GREAT to have new countries beginning to open up on 160, such as FRANCE, YUGOSLAVIA, ITALY. Others are "Straining at the leash". Much credit to W4BRB/Gene for his leadership with help by "Top Band DX Ass'n", & Otrs. --- Some outstanding DxPeditons, giving NEW Cs to many. Wb4ZNH/Carl to KS6 & 5W1BC, PYøZAE/Hal to vy rare TRINIDADE, PYLRO/ø Rolf to Fernandez de, Many Carrib Isls, plus HKøBKK/Barry to SanAndre & many more expected. --- Exotic calls abound like JA, VP8s, VR3AH, VR1AA, KJ6DL, ZS4PB, ZE7JX, ZC4IO, S62AY just wkd by Ernie, S79P, EA8CR, HK4UT, LULDZ, PYLRO, ZD8, 5ZANI & Otrs!! --- YES!!! there's GOOD activity!! --- IN Fact, there's much more 160 news than this Li'l 6pge BULL can carry -- But w1 do best can!! SORRY if sum of U disappointed becuz items clipped too much, or dont make it at all!! --- OOOP's!! Forgot/most - W2DEO/Jim pushing DXCC also w/ 96C/90!!! --- SPRING Equinox Mid-MARCH to VK, ZL, etc. w/Both ends using 1800-08kc, to minimize QRM each otr, suggest ALL use Tx/Rx periods, when CQing. W/Ve 1st 2½min ea 5min period - DX listens. DX CQs last 2½min ea 5min period - W/Ve listen. "Synchronizing" gives ea end QUIET listening. Otherwise BEDIAM reigns, ea CQing random, smothering Dx. All MUST set clocks accurately by WWV. When band opens, QSOs in progress, cant keep periods. BUT then pse make QSOs, Calls short. Give otr guy a chance. Openings are so short, ur one "REPEAT" Qso cud spoil it fr sum newcomer - unless otherwise band NOT busy. --- S00000ooooo..... fellow 160Dx addicts - gess tts it fr Nw. Tnx/all ur vy helpful info --- Let's all enjoy 160 and get the most out of it NOW!!!! DX wont be so good when "Cycle #21" gets in full swing !!!

HAPPY TIMES on 160 - and - 73 de Stew/W1BB --- (& xyl Marguerite!!)

ANOTHER 160/DXCC and!! 6BDXCC!!!! - By Gene/W4BRB wkg PYØZAE/Hal TRINIDADE Jan 10'77 0440 #100!! and!!! "FIRST/EVER" W SIX BAND DXCC!!!! (KV4FZ Has No.1 fr DX) CHEERS!!!/CONGRATS!! Gene. Great patience, perseverance, expertise pays off!! NOW, sez Gene, for DXCC/50mc and SEVEN band DXCC!! --

YUGOSLAVIA YU now on 160 w/temp permits JAN -look fr YU3EY,EU,-1PCF,NTZ-YT9A. K1PBW & W8LRL 1st QSOs Jan14 w/YU1PCF. Tnx W1PL,HGT,GD4BEG fr help. YU1PCF was "Indoctrinated" by Laci last summer by hvg him operate W1PL on 160!! also by Ralph eyeballing him abt 160 at ARRL Conv hr. CONGRATS to YU boys!

K1PBE/Ernie's TWO VERTICALS IN PHASE w/extensive radials going "Great Guns". Eu rpts say "LOUDEST" sig hrd in Eu!! 9 plus 10,20 Etc!! Nw,JAN 112C/95 w/YU1PCF,PYLRO/Ø,PYØZAE,ZC4IO,9D5A,KJ6DL,5W1BC, Wb4ZNH/KS6,S62AY etc! WOW!! (Sadly Ernie LOST QSL crds/Logs in '73 house fire- Sii!) But "making up for it Nw! ALSO hit CQ/WW fr 157Q (17W/VE), 39C,15Z,Score 22626!! Wait 'til U see his CQ/160 score- Ovr 400Qs. Yep- Ernie "knocks 'em off now, like sitting Ducks!! Beverages Help!! CONGRATS ERNIE om

W1PL LACIE PRAYS FERVENTLY FOR SNOW!!! (And he GOT it - and HOW!!) Becuz his short 160 vert definite wks best w/snow blanket on grnd below it. Aftr storm wkd W7TO,PYLRO/Ø, many Otrs inc VR3AH easily. Before "Not so gud". Nw is looking for "Snow-Machine" to hv on hand this summer!! CHEERS ALSO! Pwr Co. found nearby defective Transf/replaced,S8-9 noise Nw GONE!! Now busy publishing "LOG & DUPE" Bul

WONDERFUL - SIMPLY GREAT!! - HEAR THIS!!! de ZE7JX/Peter "Frustrated sum time trying wk WAG/160 w/ 55' Hi 265' Windom - needed EU & ASIA. Thot must hv btr low angle ant. 1/4wv Vert impossible hr. Bt was impressed fact tt short vert w/numerous radials wud near 70% eff of full 1/4wve. S000000 put up 55' vert w/15,130ft radials. Aftr much effort it matched 750hm Coax. Rec'd sigs GUD!! First CQ got EP2TW Tehran w/449.EUREKA! ASIA at last!! Put dwn 50 more radials - base current increased a lot. At once got 559 fm G3SZA. Nw hd EU!! Then, nite aftr nite skeds w/ VK6HD/"Nil". In desperation, put dwn 128 more radials!! Nw Hd 16,000' wire in grnd!! (Imagine that!!) Also tied in various metal fences etc. JUN27'76 wkd VK6HD,IZ. (3C2 in JUL) OCEANIA & WAC!!! NOW if I hear a Station, QSO usual results. All the hard digging was worthwhile!! Morale:"Carry on to the end of the road - dont give up"!! CONGRATS Peter om!! We all agree, as your EXCELLENT signal in W/VE will testify. (A GOOD GRND system is real "PAY-DIRT" on 160) - (An Inv "L" w/GOOD GROUND system will wk almost as well!!!)

WOW!! WHAT A 160 PERFORMANCE BY KV4FZ/Herb IN CQ/WW/CW/TEST NOV 27/28. 400Q,13Z,37C,44000Score - his previous best 21K. New ones C5AZ,KJ6DL,6W8A total 115C. No question about Herb's "Capability"on 160

YUGOSLAVIA - SPECIAL TNX DUE YU1SJ/Miroslav Pres YU/DX Club, Liason Officer IARU-SRJ who was very instrumental in obtaining special 1825-1835k "Experimental" band as of Dec 23 '76 pending request to ITU to add YU to footnote 194. He was FIRST YU to operate 160 Dec23 w/OL9CGL, 2010Z,then 12 otr QSOs using FT101 and 80m ant. CONGRATS om!!! --- Also Tnx agn YU1PCF also doing especially FB Job!!

W5SUS/John NOW 69C w/PYLRO & PYØZAE. CONGRATS!!"Just finished VFB visit w/son in Fla - Took 160 along. Drake/Top Loaded 45' vert/radials. FUN wkg old friends fm diff QTH. Back home Wx terrific!! 13F below. Snowed in at end of 2 mile lane. "Incredible"!!" -- You can "hole-in" fr winter/wk DX!!

"DAYLIGHT DX" de W9NFC/Chas (W2EQS)"Resting fm raking leaves sunny PM, turned rig on,gave CQ. "Lo & behold" WØALS ans'd 2.45P EST sum 600 miles,copied me solid 449.His 559 Fr an Hr. Sure DX!! longest B4 was 50 Miles!!" RECAP de W1BB::: Nov3'75 W6VD to KØZCM 3.30p FT101 1200 miles --'67 W2RAA to Chicago 850 Miles --- G3TQM was hrd 1000 miles by G3PLQ/mm -- Certain specialized Govt. Tests along N/S longitudes on LF several thousands of miles. See W1BB DX BULL No.2 75/76. Any Otrs?? VFB Chas!! NOTE!! FLASH!! Feb 3 Chas moved to Ky. To wk for US Chamber Commerce. Hopes Fr K4EQS,W4EQS,N4EQS!!!

W9BRD/ROD - QST DX COLUMN EDITOR wks 160 "The Hard Way" w/160 loaded dipole, INSIDE an apt/CHICAGO! Has wkd E & W Coasts "Believe it or not"!! Thru city's high noise level. Also "Local DX". WalVCG, Rod's Son, Nw the new Mr. DXCC at HQ, also wks 160 w/ this setup when home - sez it gives one a feeling of accomplishment every QSO under these adverse condx. Can well understand. VFB & CONGRATS!

MARCONI 75th ANNIVERSARY PLANS for celebration JAN'78 w/Tx on CAPE COD, S. Wellfleet,Mass,covering all bands but especially 160, is coming along GREAT under auspices of Town of Barnstable Radio Club w/ W1GDB/Whitey at the helm for arrangements. Now selling COMMEMORATIVE Envelopes w/drawing of the original towers. 10 Fr \$1.50 to help buy needed supplies, brochures, etc. ORDER Fm W1GDB, 14 Pine St.Sandwich Ma. FIELD DAY '77 w1 Hv Stn on site to pre-test set-up. Any \$\$\$ donations will help a lot also fellers. Several Ants etc to buy & Materials for assemble. Whitey may be found on 160 most any AM or PM to discuss plans, details etc. MARCONI's daughter & RSGB are enthusiastically helping!

ANOTHER DX WINDOW ??? HB9CM fm Chalet/Swiss Mts Dec31 0530Z wkd W3HKK/1803 got 589!! Later 0630 1827 only 559. Was this peaking time difference?? or is 1998_k propagation that much btr?? Philo sez maybe pioneering another DX WINDOW. Hi! (However with proposed new regs we may lose 1950-2000k)

JOHNSON ISLAND KJ6DL/Mary Bn keeping this "Rare-One" on since NOV. Cdx Bn spotty but had VFB openir Great "Thrill" 22 Jan 1000-1230z. great band "Peaking" wkd 16 Stns W6BLZ,Wb6RHC,W4YWX,K8PCU,K4CIA, K8CCV,K4CYU,W5FIX,W8ANO,W5SUS K6SE,K9UWA,W5ZSX,K3ZO,K3DZY-& W1BB for DXCC #136 w/sigs 589x2 at peak!! W1BB Plotted KJ6DL's signal profile, Fr copy, send same. Marv made FB Tape recording, pa Jan8th Marv wkd W5TO,Wa6BDR,K3NPV,W1HGT,W6DLZ. W1 B on until Mid April then QRT. QRV SAT 1000-1230z Marv is Capt. USAF. Home call K4KEW. QSL Mgr Wb5HVY/USA. JALOCA Fr Asia/Oceania. THANKS!! CONGRATS!!

VE7UZ/Vic " '76/77 Cdx to Eu Best ever. Late OCT wkd G3SZA,GD4BEG.* NOV6.G3CWI,MYI - Dec4.GD4BEG, PA/SHIP. - DEC31.GM3CFS,G3MYI - Jan1-4.PA/SHIP twice,HB9RM "FIRST/EVER", 3 times,G4EOK,GD4BEG,G3ZYY. ssb solid S6/8!! Otr Dx ZL1,2,4.-Wb4ZNH/C6A,VP5,TG9,VP1,VR3,PYLRO/φ,PYL,HKφ. Uses 134' Vert w/top load. 40-1/4wve Radials Sez Vic "I wonder if 10 yrs ago wud hv believed possible wk DXCC by '76???"

K6SE/Earl (W5RTQ) Absent Fm 160 sum time - ,Bn building at new QUIET desert QTH. Nw Bk on like a "Whirlwind" !! Has TWO phased Verts shooting NE/SW. Sure does POUND IN Hr on E Coast!! CONGRATS and welcome back Earl - that shift was VERY much worth while!! (Sez K6BKE also has two phased Vert & between them, hope to make 6th area heard on 160. With Ernie/KLPBW now makes 3 in this vy select Phased Verticals Club. K2GNC/Bill Hd them also back in 72/73 but Hd to move QTH so Nw "Nil")

Hrs sum interesting Extracts Fm Earl's VFB Ltr. ----"Prelim Opr'n w/single tower, 1 Grnd Rod was disappointing. Got Phasing/Matching lines w/6 radials under Ea Twr ready 1 nite B4 ARRL/160. Didnt expect much. BUT!! B4 1st nite Ovr Hd already exceeded all previous W6 scores. Ended w/ 442Q (425/ARRL-17Dx) x78Mult,73K Score!! Cld G3UBR/no luck. Made WAS in 3 nites.(THIS sure IS a RECORD!!!)

Made WAC in 17 days. Then wkd WAC ssbX2 except Asia! About GROUND SYSTEMS for Verts -(Note this!!)- Dec23 Hrd G3SZA. Cld&Cld No Dice. (6 radials under each). Wkd all day B4 Xmas making 12 radials und each. Hrd G3SZA agn Bt weaker. BUT he came back to my first call!! Then GD4BEG,G3MYI easily! SOOOoo Nw Each day I add MORE Radials. Nw total 31 under each tower. 1 1/2 miles of wire. Still growing!!

Yeilded 599 Fm EI8H & wk JAs easily!! (Read abt ZE7JX similar experience Page 2). It all NOW, (Sometimes I wondered!) seems worth the effort,(and expense) to Hv this Pair of Verts!! UNEXPECTED advantage of phased Verts is reduction of noise on receiving by abt 2 S units, compared to single Vert, PLUS increase of rec'd sig of abt 1 S unit. Front/Back ratio high as 40db!! Generally hear Stns stronger than they Hr me. This desert QTH absolutely QUIET too!! " Tnx Earl,WOW!!! CONGRATS!!

VR1AA/Dan LEAVING GILBERTS Feb28 Fr Good. Since OCT wkd 6JAs,3ZLs,2KLS,3W6s,4W7s,VE7UZ,VR3AH,KJ6DL Wb4ZNH/KS6. 15C to date(Dec3). Future plans uncertain. 2 Mos trip returning to GW3HCL (Not nati GW) via VR4,YJ8,FK8,VK4,VK6,VQ9,5Z4,4X4.(No Rig). Hoping Fr Otr "Exotic" assignments abroad. Congrats "Super" Job on VR1/160 DAN. GL and here's hoping Fr that FB "Assignment", & with 160!!!!

W6BLZ/ED-"TRIALS OF"WAS"HUNTER"!! Desperately needing Vt and RI - has sked w/ W1GWC/Vt but day aft Day 3AM "No-Soap". Cant find sked Fr RI. BB Predicts, one of these days he'll make it OK. Can any one help?? KL7 & KH6 as hard, or harder for E Coast boys as Vt/RI for Ed?? Wkd KX5ZZ Ed's old "Stamping Ground" at NY2AB 1935-39 Coco Solo Beach!! Keep the pressure on Ed. WAS'll come soon!! FLASH!!! Ed made it to Vt with W1GWC - now for R.I.!!! Gl!! "Dont give up the ship"!!

G6CJ/DUD VISITED ZL '76 Including ZL3RB/Mick who has VFB Ranch/sheep/farm 1000 Acre QTH. Has sets of wires 1/4 mile long in 5 directions, uses 2 at a time!! (Mick was BB's Country No.17 in '53. BB sheds big crocodile tears becuz needlessly MISSED seeing Him when BB in ZL in '75) Back home DUD puts special efforts on ZL/Dx. Sez possible QSO ZL 2 wks in OCT & March. This Yr ZL1HV,2BT,3RB,GQ, 4NH all wkd G daily. GQ & BT outstanding. Sez ZL4NH Qso MUSTA Bn Long-Path & Believed FIRST/EVER Fm G. Oct 21 copied ZL2BT solid 15min in QSO w/VE7UZ. OCT24 W7RM/569 wkd G3CWI. 25&26 VE7UZ wkd 5 Gs. FLASH!! Jan 13 G6CJ Qso'd VE7UZ w/ genuine 10 watts!! Got 339. UZ/549. GREAT!!! Tnx & Congrats!!!

SHORT SUBJECTS de W7FS/Keith-DX STATIONS WANTING TO QSO W6/W7 NOTE!! "Dont forget KPH,SF 2054k Comml CW stn 24Hrs/Da excellent MARKER/indicator of band Condx. DX CQing W6/W7 shud refuse ans Otrs. Frustrating last Yr to Hr an OK repeatedly clg "CQ W6/W7" then answering W2s etc. His sig was loud Fr 2 Hrs! Wkd only one stn in Nev" Tnx suggestion Keith! VE7UZ/Vic who started 76/77 with big BANG!! QSOing G3CWI,MYI,SZA,GD4BEG, ENDED '76 wkg 18JAs. Then began '77 w/ PA/SHIP,HB9RM,GD4BEG,G4EOK,G3ZYY Cw & SSB then PYLRO/φ.(Tnx G6CJ/Dud.) KH6CHG/Jack, to try open up path to Eu Bn keeping winter skeds 0630z, also 1730z. Great Idea & GL.(Tnx VE3EK). W7ZC/DAVE QSOs scarce. All E sigs weak,except at SR. Trying 500' Rx AMT laying on Ground GOOD S/N ratio!! Fb W7TO/DAVE Believes UNDERWATER ants 1st used by D/"U" Boats in Eng Channel WW 1 w/speak Tx!! USN Bn using 50Yrs Nw/still improving. Can Rx Fm 150' Underwater Nw!! Bn Hrg PYLRO Arnd 0830z. also Hrd W6DAO Qso GM3YCB 1995k & W7TO was Hrd by GM!! FB! K6BCE/Darrell has new 90' vert top load&sez Eu/Af his real problem Fm K6!! (Amen!) "Am amazed at all the New Countries!!" Yeah! G.,

W7FS/Keith "Not Much Dx/160 Bt vfb on 178Kc. (YES, 178Kc) Wkd VE7AKI 125miles & W7AVV 180mi, he on 160/me on 178. 2C, 3States on 170!!! Real DX, eh??? -- RAUCUS NOISE showed up Hr tt sounded like LORA Bt on Low End. It turned out to be noise created by BELL SYSTEM battery chargers in local sub-stns. Sounds like machine/gun, or sewing Machine. Appears 2 B Multiple of 900Kc Hr & is spread by fone cables. Anyone Hvg such Pulse Type Noise, check the phone drops and leads to the shack telephone!!
DX BY JA7NI/KUNY Sep/Oct, Hrd/Wkd:: LUIDZ, W4EX, 6VD, NTU, AJJ, 7QID, LFY, Wa7ILC, VR3AH, K5JVF, Wb6PXP/6, Wb6VZI, VS6DO, KL7GKY, HAQ, KJ6DL, VK2AHK, 3MR, 5BC, 3OF, 3GQ, 7LZ, ZL1MQ, VRLAA, YB7HB a "First/Ever", 8J2HAM (JA2). VFB Kuny/Tnx!! KL7GCH/CASEY (10'76) Hopes B on 160 Sm. Only has 12V Batt Pwr! Wkg on Ant & Rig. Sez KL7GIH, KL7HIX also expected. BCNU Popular Guys!!! W7JGL/Bill getting set w/shunt Fed Vert & DX100. Alternate QTH an 8000' Mt K7YVU. GL Bill!! JA2G00/Kinji Hrd W1BB, W1HGT 1010-27z, 249, OCT2!! (Altho word of further scientific studies via W1PL/Laci, confirms that absorption of 160 by auroral Oval on JA path fm W1 over N. Pole is so complete, QSO should be impossible - however we HAMS keep trying and hoping to do the "Impossible" dont we!!) Sez may be DXpedition by JA2UEO & Otrs to JD1/Ogasawara in Feb'77. Wkd KJ6DL, VR3AH, HM/S. Nw to 40C/35!! Vfb on VK5KO/John (77Yrs young) Sez VKs "out in Country", seem to Hv real advantage - maybe worth 10DB (Becuz of QUIET QTHs -same as in W/VE-land). Some Hv "Super" antenna, like VK5BC who uses vfb unused BC Sta high towers & big Grnd screen. (VK3MR w/Rhombics). John enjoyed two "openings", Oct24/21min wkd KL7GKY & W1HGT. Nov6/10min wkd W1HGT. Is on regularly Sunday evenings (VK). Misses Marker DHJ. (We too!). Sum harmonic QRM arnd 1810k fm Adelaide Airport Beacon which he tunes out w/ pi-network. Tnx Rpt - Congrats ur patience, perseverance & results!! bcnu next openings!! VK3CZ/Arthur sends VFB logs DX/Hrd-QSO. May/Sep: Ws, 1BB, HGT, K1PBW-2DEO-3KS-4EX, Wa4LDM, K4GSU-6DAO, K6IKA-Wa7GDX-8LRL, Wa8IJI-9DL, DUB, Wb9LHI-VEs, 1MQ, 3EK, 5DX Dx; KV4FZ, KH6CHC, DHJ, A35AF --Jas 2GQO, 3SVG/mm, ZE7JX 5 times, PY1RO, PT2FRU, KL7NAQ, LUIDZ, VRLAA. Tnx Art - vfb!! Will B looking for more "Way Down Under" reports!!

SOUTH/AMERICA - CENTRAL/AMERICA - CARIBBEAN - SOUTH/ATLANTIC - SOUTH/AFRICA

VP8MC-SOUTH GEORGIA/Peter As of Aug28 Qso'd PY1RO ' VP8NX only. On 160 occasionally. Now QRT.
URUGUAY CX9BT/MANUEL On 160 w/lkw, Hq129X, 1/2wve Vee 100' high. Hoping Fr Gud Dx Cdx. Most Equip "Homebrew" Fr Mny Yrs. Won CQ/WW/1-Band Champ twice!! Age 34 xyl/2"Harmonics" Sez"LF Cdx bad Hr - QRN, long path, Bt hope to get out" (Hope so too om!! bcnu) WAS VP8MS a "PHONEY"??? Some have sed original om never been on 160!! Who knows???

TRANSEQUATORIALS de MAURICIO/PT2FRU (Who has made quite survey of his own & included sum data fm W1HGT, BB, PT2GYV, 1HDQ, ZE7JX, HB9RM, W8LRL) sez; Gud Cdx Fr 9 Days -- AVERAGE Cdx Fr 15 Days. Typical June low QRN w/Gud listening -- one day STRANGE Condx -- Conclusions: 1. Good Cdx Global most days but QRN affects badly. 2. Correlation Btwn Gud 1 Cdx & Geomagnetic Activity usual. 3. Propagation 160 problematic, like Otr bands. 4. '76 was NOT a good 160 Yr at BRASILIA. Tnx Mauricio om. VP2DD/A1 (Ex W2BP) Nw on at poor 160 QTH & Ant, but "In due time" hopes to improve set-up greatly. Address PO Box 367, Roseau, Dominica, W.I. (BULL 1, p2)

YV4BK/Marcos is Ex YV4AGP w/vfb new call!! ZS4PB doing valiant job trying put ZS on the 160 Map. QSO'd K1PBW, W8LRL. Trying Fr Otrs between 0300-0400 usually. Fy 1967, 8, 9 & QSX 1800-1805. GL!

DXPEDITIONS

BARBADOS 8P7EU (W1FB/Doug) Oct/Nov w/Yaesu FT301D 100w solid state, 120' end fed wire sloping fm 3rd floor to 10' above water on beach & poor Grnd. QRN always S9 or higher! Wkd 5/1s, 1/2, 2/3s, 9/4s, 9/5s, 2/ps, KV4, KP4, 2/VP5, 2/8P7, 9Z4NP, DJ/JP/VP2S on cw/ssb - 4- QSOs. Sez W8s, W9s noticeable by absence and only one W2. Regret did not wk more. Those of us that did wk u enjoyed it Doug. Tnx!

RARE AMERICAN SAMOA de Wb4ZNH/KS6-Carl Did superb job deserving of medal for patience, perseverance Expertise!! Sez; "Jet left Atlanta Fri Nov19/PM Via La, KH6 to KS6. Overweight, me carrying rig, my Martha carring gear too!! Bags full, wire, coax, tuner, 40doz pieces hardware, tools, tubes, etc "Just in case". Aftr usual air travel problems 747 landed TAFUNA airport 5AM!! Sun. At "Rainmaker" hotel tried 4ETV on Beach Bt Mts shielded USA. Got permission install 160m dipole on TV tower atop Mt. ALAVA & sleep in station. BUT!! ROAR-R-R!!! 9 plus 20db NOISE fm TV/rf. Tried 2 days fix-Nil. Then friend Larry KS6DV invited me use his QTH. Put up dipole, Larry's 55' tower, ends to palm trees. BINGO!! ZL2BT, 1HY, 2BEM. Then!! K1PBW, W8LRL, ANO, W4YWX, QMQ, W1BB, W5USM, AB, K6SIE, K6SE, ZL2BT, BEM, W6PVB & few Otrs. Total 17/160Q. Then "Pull the big switch" & head Fr SW1. What a FB job. Congrats Carl & M. (Sri had to brief his vfb detailed Ltr!!) (Wkd 26/160Qs on 5W1BC - story next bull/hope!). Hi to Martha - great Gal - partook enthusiastically in all phases - great xyl - now studying for Lic!!

TRINIDADE ISLAND PY6ZAE/"Hal" On since Jan '77, got battery operated Pwr Supp fixed & gg on 160 w/ DRAKE, giving many a "New-One" inc W1BB's #133. Hope B thr until Feb 15 wkg ALL bands. Tnx a Mc Hal. VFB Job/fine operating. (QSL via PY1CK Hal's QSL Mgr friend - 1st HAM ever to operate Fm Trinidad 1958. CK/Flavio, sez Hal has rec'd fm all bands "A few thousand cards, over 50 Lbs" & he starts mailing out PY6ZAE Cards Mid Feb. (What makes fellers want to be QSL Mgrs?? Thousand/CARDS !!!, LUCKY WE DO HV QSL MGRS!!! WOW

((Page 6)) ASCENSION I By KP4EJ/Chet, EK1 & W4TLB 24 Nov - Decl, inc CQ/WW/CW. B4 test 160 Cdx Gud Bt few wkd. During & Aftr Test 160 NG. Sri, Bt CONGRATS a real effort!! Before leaving, Chet tried to indoctrinate ZD8TM w/160, Bt band was stinko & Poor Demonstration, fears it didnt "Take"? Possibly!!

WESTERN SAMOA 5W1AZ Contest - wkd W6,7,VE7,KH6,WR3,5W1. Hrd KV4FZ & few E/Coast Stns. Cudnt Op 160 much becuz 40m rig QRMing, plus Thunderstorm 2nd nite. (Tnx K6BB/Tom)

FERNANDEZ de NORONHA, PY1RO/Ø-ROLF Jan 1-16 VFB success!! Giving many fairly rare NEW ONE-CONGRATS!!

SAN ANDRESS-HK/RKX/Barry (W9UCW) activated agn, vacation, w/FB sig 1st of Yr wkd many W/VE. Helped HK5DV/Pancho w/ AB rig & Hopefully he w/ B on 160 one of these days. Vfb and Tnx Barry om.

SAINT MARTIN-FG/CXV/FS7 de W4PRO/W4GSM/W4DUS - Oct '76 "We hd vy successful trip - abt 8000Qs fm FS7 inc 160 & abt 70 via OSCAR. "This is going to BOTH extremes" and no doubt a "First-Ever". Congrats!!!

TRINIDADE & TOBAGO W2DXL/Art in Nov. VFB Job - Congrats!!

SINT MAARTIN PJ8CM During Nov CQ/WW/CW fb job by W5AT, W5NUT

NEW DXPEditions COMING UP de W42LTQ/F/CGP, David, free lance photographer, moved to France Jan 15 Fr few Yrs. Plans to "Move About", putting 160 on air wherever possible. Nw wkd on Licenses. Has FT101B w/vfo, clipper, filter, Dentron 10-80 Vert-Skyclaw 40-80-160. Has 172C/165 on 75m-ssb, but sez "I see 160 meters as an even greater challenge and intend to do my best!!"

GENERAL and MISCELLANEOUS

CQ/160/WW/TEST Jan 28,29,30 Cdx GOOD, except 1st nite extreme S9plus QRN, E/coast. Second nite was excellent. WIPL had snow on Grnd under his vert & did fb 45,000 Pts or so. K1PEW/Ernie really did "Cream" it. F stns had special permits for TEST F8AT, F8VJ, F3NB, F8EX, F8DB. Was Vy thrilling!! Gene/W4BRB suggests when QSLing, we each write a letter expressing our pleasure, and welcome to the 160 band of F stations, such that letter can be shown to French Authorities and will help Fs to get even greater privileges. (GOOD Idea!!) YUs also in full swing - Cheers!! Many "On/Fy" DX QSOs outside DX-WINDOW for first time, worked out quite well, but fooled some of us not expecting it!!

OK 160 DX TEST Nov 14. sorry!! Not a single OK/160 Hrd/Wkd by any W/VE - Condx very bad.

REFERENCE LETTERS TO FRENCH STATIONS - The idea is to help them get permanent permits thru DTRI.

W2BHM/Joe making ant changes, using gamma matched tower. But sez Fr Rxing vy NOISY S5-9 - but what can a guy do with a lot only 75'x100' ??? (Maybe get neighbor "Cooperation", or Try a LOOP???)

W4STDY/John, Newcomer, Vy Psd w/160 - Nw up to 24C & 47States since Jan '75. Great!! Keep up Gud

VOLKE/Mike Wkd 58!!! Dx Stns in CQ/160 Test!! Inc 3 Fs, & 4, YUs. EXCELLENT, Mike om.

MORE ABOUT THE "First" and "Last" 2½ min PERIODS (See Pgel) - EQUINOX VK/ZL working. Been suggested, mention, one doesnt HAVE TO use the full 2½ mins for CQs. Use only as much time as necessary for you particular CQ. IF less than 2½ min, so much the better. BUT CQ only, whenever you do, during PERIODS IT'S ALL "RELATIVE"!!! W1BB Hears Dx Stns some boys dont hear!! -- W1HGT/Ralph hears DX stations W1BB cant. (City Boston Noise Level). Ernie/K1PEW hears DX Stns neither of us can. That's what QUIET rural QTHs, Beverage Antennas and 30DB Pre-Amplifiers can do for you!!

W3IN/DON reports CQ/160/TEST 1st Nite DX Nil!! - 2nd Nite GOOD!! 388Qs, 48 of 'em DX, 45 States, 9P 9Prov & 25C. France and VR3 "New-Ones" and now Hv 81C/66-DXCC/160. Nice wk Don om !!!

ALAND ISLAND will be on for ARRL/CW Test Feb 17 thru 21st. Ops OH3PE/OHØ, OH3XT/Ø, OHØXZ-Jorma QSL to OH3PE. Fy on 160 will be 1829 and QSX 1802 to 1809. OH3PE/Matti, OH3XT/Ted. Only Possible Hold-up, WX!!

FELLOWS - CAN YOU HELP ME??????? Occasionally I receive a very plaintive request from 160 DX HAMS for used USA and/or DX CALLBOOKS. I get one every 2 years new, and send my old one to some DXer who seems deserving. IF any of you, who get new books, and have no other use for your old ones - sure could use them to good advantage, and would send your call along as the DONOR. They should be, however, not more than 1, or 2, or maybe 3 yrs old!! Will pay any postage involved. Tnx/W1BB

OK1HAS/LUDEK-OK1DDL/DAGMAR::OM/XYL 160 DX team. Latest scores Luddek 36C/29 - Dagmar 32C/20. Both 5 Cont. Need OCEANIA!! But disappointed tt so many Stns do not QSL. Dagmar sez "I Hv big pleasure to find new DX stn. My Wishing is WAC!! Hope to work it this Yr. I like TOP BAND just Fr difficult wk comparison with other bands" Hope some of you boys reading this can help her out!! GL Luddek/Dagmar!!

LOOP ANTENNAS Dont seem to hear so much about them now-days. From time to time they make an appearance - seem to be spoken of with glowing reports - then never heard from, much again for long time. Anyone using them regularly for 160 DXing?? Comments and Information would be interesting!! Tnx.

GUESS this "Winds it up" for this WINTER Bulletin -- and BOY!!! has it been a WINTER up here!! One night it was 8 degrees F when I opened up the shack!!

73 de W1BB/Stew



JUST got your QSL's and VFB letter!!! **BOY!!!** are the
 PY1RO/φ QSLs "SUPER"!!! That photo is just MARVELOYS!!! (Who
 took that - you??? it's REALLY "SUMPIN"!! you hit the "Jackpot"!
 THANKS for these two QSLs!! The more I look - the better I like!!

W I B B
 Stewart S. Perry
 36 Pleasant Street
 Winthrop, Massachusetts

ALSO THANKS for making it possible to have TRINIDADE!!! Yes I
 knew it was your rig - and all the trouble to get it working - having to
 get parts and send them down to Hal etc etc - also SORRY for all the "Wear
 and Tear" that you had to take!! Plan mention briefly next BULL!!!

NOW here's "All the latest" I have on 160 - Bull No.3 please note
 TransEQUATORIALS on first page - I hadnt heard from you - had to type BULL -
 so I assumed there would be TESTS, and took a chance - and hope that what
 has been written meets with your approval!! Our recent QSO/ bull.alltyped up

YOUR /1 signals very excellent - May 1 when you QSOing HB9PM
 both of you 599 for over half hour!!

73 de Stew/W1BB

MAY 1, 1977

W1BB --- 160 METER DX BULLETIN --- W1BB

1976/1977 No.3

(Since 1932)

de W1BB/Stew ----- Best wishes to 'yall for a VERY happy summer!! -- Speaking 160ish, its sort
 of a time to relax and reflect on 76/77 with its fun and accomplishments - not forgetting the
 'Misses', near 'Misses', and lessons learned "The Hard Way". A period of looking forward to 77/78
 with anticipation and excitement about the coming opportunities, whilst doing our "Outside-Work",
 on antennas, ground systems, etc. Incidentally, THIS season, there's lots of good antenna "dope"
 available, and coming, in the Mags - de W1FB/Doug, W9UCW/Barry. W6SAI/Bill and others. Maybe
 "between-times" we can work a little summer DX!!??? (BB loves his 2 months "On the Farm" every
 summer, receiving 160 under quiet conditions, compared to the usual S5 to 7 in BOSTON/City!! A
 quiet receiving/QTH is really the ULTIMATE!! It's "Heavenly", actually -Hi!! More and more of our
 "fraternity" are finding that NOISE is the limiting factor, especially on 160, and many of our
 members have had real difficulty because of high ambient noise levels. So that special low noise ants,
 like BEVERAGES, LOOPS, low wires, ground wires, underwater antennas etc are becoming more necessary
 ----- The PY1RO/EI9J JUNE, TRANSEQUATORIALS "Activity Period" should be in full swing as usual.
 Additionally, there's the LULDZ/ZL2BT "TRANS-POLAR" tests, the 3rd and 4th full weekends in MAY &
 SEPT. (See herein) ----- Dont forget the fall EQUINOX tests with OCEANIA VK/ZL etc around Sept.
 25th ----- There's enough activity to "Make it interesting", but not enough to keep you away from
 other summer pleasures!! ----- HOW GOOD was 76/77 - the "Bottom of the sunspot cycle" period,
 for 160 DX?? Judging by the number of DXCCs, WAGs, WAs - and those now close, would say "Very
 Good"!! Judging by W1BB's personal BAROMETER, this 76/77 season as of May 1st, wkd 66C-187 DX Stns
 Compared to 63C/167 last season. (Wish more would send in comparative data!!). The CQ/160 DX TEST
 is usually a good indicator. N4IN/3-Don reports: "Greatest year ever - ALL old records broken"!!!
 PARTICIPANTS;: 196 Logs, 828 DX Stns, 949 W/VE stns 56C. DX Wkg W/VE, 235 Stns & 42C. 165 JA stns
 active. WOW!!! 160 has sure "Woke-up"!! ----- BUT another season, no JAs hv bn hrd/wkd on East
 Coast W123. It's either that AURORAL OVAL, LORAN, or both!! But like they say -"Hope springs
 eternal in the human breast", especially of 160 DXers. There's many JAs on w/ good sigs though, and
 W8LRL/Wal has worked one!! Congrats!! That's almost to the "East Coast"! ----- Quite a number of
 "FIRST TIMERS", (OELTKW for one/herein) have made it this 76/77, so that dropping of the special FT
 tests, because of being crowded out by other Tests/Contests etc/scheduled events, and non-
 participating strong stations signals, hasnt hurt these neophytes too much! Congrats to them for
 their patience and perseverance and GL!! Please ALL - remember to look for "FTs", especially the
 first 10 minutes of every DXing hour!! ----- Of UNUSUAL INTEREST this year, has been the gradual
 easing of 160 restrictions in Europe, due to the good work of W4BRB/Gene, and others, resulting in
 the advent of FRENCH & YUGOSLAV amateurs, (who are especially congratulated!!), with other Ctries
 "Working on the problem" & more to come. (Rumor persist USSR Stns may be on next 77/78!-Tax/W5USM)
 As we say, "this is a BIG step in the right direction" ----- FELLERS, I intended - and still do -
 "Slack off" on this BULLETIN and 160 Correspondence work, but for some reason or other, like
 Jimmy Gallagher said, "I'm still hangin on" !! Guess we'll just have to "let nature take its
 course" - anyway, dont be suprised at anything -- one way or the other!! Many, Many Tax to all
 of you whose valuable "Contributions" have helped to make up this bulletin!! (Next one Nov 1st.)
 Keep up the good work, and again, Have a HAPPY summer!!!

73! de Stew/W1BB (& xyl/Marguerite too!!)

Stew

"FIRST TIMER" OE1TKW/Helmut (Age 21) Made it Dec19!! Congrats!! Sez "Copied K1PBW Clg "CQ FT Qsx28". Ans'd once, came rite Bk - imagine my suprise. My469 & Ernie copied my name FIRST try! Like QS friend 600' away! BIG THRILL!!" - "Its GREAT idea Hv "FT" Calls & especially Qsx like Ernie used WHY dont more stas use Qsx? (They shud) My ant All-INDOOR!" VFB Helmut - BCNU agn!! GL now!!

"FIRST TIMER" W4YZC/Buddy: After 3Yrs off 160, Nw Bk w/random 300' wire. THRILLS!!! CQ/160 Test, My 1st crossing Jan30 w/G3ZYY!! Then G3VMW, UBR, SZA, FIB, PA, F8, DJ5, KV4, VP2. Hrd ZL3GQ, VR3AS, HB9, I, OK - WOW! Suprised w/Modest Ant! Drake Twins. Real fun Bk on 160!" Welcome back Buddy and CONGRATS!! vfb.

FRENCH 160m ADVENT Much, Much credit to F8EX/Jean (and W4BRB!), who sent many letters, paid many visits, lotsa time w/P FCC DTRI, F8EX, F3AT, F8DB, F8VJ got special 48Hr permits. First F/160 since '39 one Wk B4, for CQ/160 Test. Ants erected hastily. F3AT&F8DB used Inv V Apex 16m -F8VJ & F8EX modifie Multi W8DZZ Trap ants. Wkd G, GD, GI, GM, EI, GW, DL, OE, OK, YU, I, EAS, OH, HB9, 9H, VO, VE, W-20 states, KV4, ST, EP. No TVI/BCI caused or w/Otr services. Congrats Hv Ba given Fr Authorities Fr their understanding cooperation. Jean concludes "Night Jan 29 0330z F8VJ Rec'd call de W4BRB alerting to gud 160 Cdx USA/Eu. Few mins ltr QSO made giving W4BRB C # 100 & DXCC - also 6BDXCC!!!" Txn Jean. ---- F8VJ/Luci cfms this. He wkd W1BB, HGT, Mx, K1PBW-2DEO, DXL-3IN, K3ZO-4BRB, PZV, YWX, QGW, K4DY, K4GSO-8AH, LRL & KV4FZ!! Hrd May Otrs. -- F8EX/Jean, W1BB's 1st 160 F since '36 - both of us 73Yrs young! - used T4XC/R4C. His QSO w/ W1WY Jan28 2213z believed 1st F/W 160/Q since '36. He & Otrs trying fr permanent Lics!! Meantime w1 B on Fr INTERNATIONAL Tests per F8EX via F8VJ - sez DTRI has given permanent permission for this to ALL Fs, but spot Fy 1826 Khz & 10 watts. Big step forward, but lets keep trying for FULL privileges and a BAND of Fys!! CONGRATS Fs - a wonderful occasion. WELCOME BACK to 160!!!!

W1FB/Doug (ex W1CER) Tech Ed QST is "Live-Wire" for 160!!! 71C/52 sez "May get DXCC by Yr 2000!! H1. Latest P1P, VR3, HKP - NOISE the big problem - boys w/Beverages get Q5 copy on DX I can barely hear" (Amen!!) Sez "Half-Sleper" ants wkg out well. Radiator 1/4 Wve sloped to Grnd Fm Tower - top Fed w/50 ohm, braid connected to tower-directional towards slope. Doug active on DXpeditions, research on receivers, Ants, Loops, Pre/Amps, grounds w/QST Articles. WIAW Fy Location/study, tests & Move to 1835, etc & Nw pushing 160/hospitality rooms at conventions/informal club Fr all 160 Hams - a personal effort - not ARRL sponsored. SEE coming July QST Fr his LOOP article!! CONGRATS Doug on - GREAT

HMS BELFAST G4EOK (Open to public) AT TOWER BRIDGE, Thames River, London-many of U Hv wkd - RNARS was involved '73 to celebrate Diamond Jubilee oprn at EASTER time, now annual event, Fm GOOD FRIDAY. '76 completely refurbished w/surplus equip & FT101, loaned by G3HZL/Frank, the "main Spring" of activity SUPER ants, tall masts, quiet Qth. Problems:: winter/Cold, not well heated & Campstove Fr cooking & must drive 15Mi & thru London Sat Pms, wk Dx, sleep aboard, return home Sunday - a real DEDICATED 160 DXer for you!! Dx Gud. An unusual & vfb set/up w/Ants over WATER. Congrats G3HZL & Gang. WFB!!!

YULPCF/MARIAN Sez YUs THRILLED w/160m priv 1825-35 Fm early Jan. Much Credit to their Soc. Secy. YUINQM Fr handling much paperwork! PCF activated Jan12. Frst Dx K1PBW, W8LRL. On Feb Hd 31C, needing only Oceania Fr WAC!! Best Day Jan 18 -70QSOs!! PY1RO/p, KV4, YV4, VO1, JA3ONB!! PY1, F, 4X4, 9D5, ST2, VP9, Otrs. CQ/Test 175Q, 13DX, 5Ws, 27mult. Homebrew solid/state Xcvr w/end fed inv V, digital readout - real modern!! Hopes visit W1PL, who greatly helped get him interested 160, again soon. OTHER 160 YUs, -- 1SJ (Bull #1), 1NPZ-3EY, CM, EU, TFB, JRS-4VKR and Club Station YULBCD. CONGRATS YUs and welcome to 160!

VERMONT/W1GWC/JIM giving many their "VT" -sez "Was using 135' horiz end fed 55' high Ant. Changed to inv w/90' vert, 90' horiz & foam 3000hm TV line joined and Ovr top large maple." Cast leader wire ovr top w/fishing Rod/Reel Isaac Walton style(WOW!!). Fed w/720hm coax w/ 1 to 1.5 SWR. W Coast sigs up 2 to 3 S - sum right up out of the noise. Eu and South up 1 S or so. SW up 2 to 3 S. Much less QSB. Hv extensive Ground system, everything metal, on or in grnd, tied in! BUT fishing starts April so I'll be QSB/Ham radio until FALL w/ the good old maple tree ant to hand out Vt QSOs!! FB!!

GOOD IDEA TO CHECK YOUR FEEDLINE!! de G3LIQ/Denis Sez Not getting out well-suspected ant/Coax leakage. "Meggered" both. Coax leakage 200K!!! Was new, 1/2" best qual Coax only 2 yrs old - all joints doped/taped plus rubber "Boots". HOW Dampness gets in is a MYSTRY!! Replaced w/new "Super" Telephone Type Coax - now AOK!! (See # Ham HORIZONS" Mag, May'77 p32 re Coax Aging-Good!!) Denis also sez G/land Band plagued bottom end w/S9plus RTTY & Bleepers every 2 or 3 Khz, w/wide sigs - even breaks thru 500 Cycle filters "for days on end" (Sri). Notes "Dx ovr complete WATER path-B"!!

VE1AKT/Bob & VE1BCZ/Steve. "Father/Son" 160 TEAM. Bob got 11 new C this 76/77 season. HB, GC, FS, P2 C6A, OH, F, KG4, ZE, YU. Hrd ZG4, KJ6, VK5!! Sez Son Steve this summer Opr at SW Radio Canada Internationa at SACKVILLE NB, Operating 250KW rigs. Wishes Could QSY to Ham bands! Invites any USA hams going thru to visit station. Shud be most interesting. (W1BB did inspect antennas last summer - really "Sumpin", GREAT sight to behold!) FB Bob and Steve. Keep up the good work -happy summer and GL!!

Hi!

18V/L/Dick 73Yrs "Young" started 160 FALL 1924 w/UV202 5w/Hartley Ckt. Wkd all W Dist, Page 3.
not swl fm CBR/Argentine, PCJJ/Holland, G5KO/England, & France, spring '24 on 115Meters. Wkd G2SH, G2OD!!
"Super-Regen & 1 step audio" Rx. Away fm 160 sum time -bug bit agn after hearing 160 tests
O. Rejuvenated Homebrew rig & wkd 17C, LU5HF1, swl de USSR, 423 Stns, all UD Districts. GREAT!!!

3EK/VINGE's "PATENTED LORAN NOISE FILTER" Sez: "Thot I might develop new Loran QRM Filter. My old
truck used muffler that absorbs its high speed "Put-Put". Tried feeding audio fm Earphones thru
different mufflers borrowed fm auto parts dealer - some quite unwieldy! Set muffler on floor Ovr
phones - put ear to exhaust hole-really awkward! Hard on neck, sitting sideways etc. Each muffler
had different "PEAK". Picked one that knocked Loran out best. Quite an improvement on 1912Kc, JAs
y, on the Loran there. Went fine until I fell, banged head on muffler & floor. QRT the experiment.
BUT!! will resume later!! (Uses 117' top loaded 3/8 Wve ant w/16 250' radials. Also 1/2 Wv Rx Ant) HI!!

SHORT ITEMS K4GIA/Bill added PZ, ZS, I, ZC4, F to reach 94C/91 in 76/77. Hopes DXCC in
7/78 or 78/79 for sure!! Congrats & GL '77/78. W5TI/BILL Active daily 5 Yrs LION HAM EYE BANK
ET came Bk 160, (last Qso 40 yrs ago) Mar20 wkd 4C, 7S, 1st nite w/InvL!! Welcome Bk & GL!!

K1PBW/Ernie up to 115C wkd w/recent C31FK!! Congrats! PA/HP/Willen will Hv access to very
fantastic QTH soon, Farm 17 miles away, hopes install impressive ants, beverages, verts, "The Works".
de K1PBW) GL Willen!! W1TX/ROY OT Recovering nicely fm 2 open heart surgery & 1 "Lobeclony"
amps since last Xmas!! A real "Iron-Man" 160m Op since B4 1957. Trying to get photo his "Base Loaded
Maple Tree Ant" to show 'yall - really "Sumpin" and wks VFB. Best wishes fm all Roy!! OE1KU/Bill
working on new vfb 160m ant Fr 77/78 - GL!! YU2HDE/Zvonke - Radio Club Varazdin, using FT101 w/
av V sez: "160 most interesting band Hv ever used!! We use K1PBW as our Beacon/Cdx/Barometer - really
magnificant to wk on 160!! W1 Hv New 70m(210') high ant Fr 77/78" - GREAT, congrats & welcome!!

HB9RM/ED'S VFB SIGNAL is due to Inv "L" between two tall buildings in downtown Geneva. Only
Fly in the ointment" is occasionally SEVERE NOISE on Rxing. Great Signal!! W9NFC/Charlie (W2EQS)

w in Owensboro Ky w/new FB Job, BUT!! without Rig as yet. Quite lonesome. Drop Chas a Note. P.O.Box
505. 42301 Ky w/all the latest news!! He'll appreciate it!! W5USM/BILL set goal 70C Fr 76/77,
sez "By golly w/JALPIG/PZ & F6KEK "Made-It"!! Congrats! But the next 30 will be awfully tough!!" --
ar 71 Nw. DXCC a REAL challenge for W5ers!! FB!! OK1HAS/Ludek & OK1DDI/Dagmar OM/KYL 160/TEAM
o Dx Station Of The Month" AWARD in "WORLD RADIO" Newspaper. CONGRATS!! "FIRST TIMER" G4FIN/

evin w/genuine 9 watts Apr12 1827Kc QSO'd K1PBW, W2LW, W8LRL, W1BB. His sigs Fr Ovr Hr 339-469 thru
RN - a Great "First" performance - CONGRATS!! K2GNC/BILL Nw 77C sez: "Latest PY/ZAE, VR3AH, HK/BKX
May get DXCC/160 by Yr 2000??!! Experimenting/testing various Ants - sunday hope Hv bigger/better
TH. FB/GL Bill, you'll make it much sooner than 2000!! W3PA/DAVID Newcomer. 42S already, needs NH
L7, 60trs. Tried VK3MR/Nil Trying indoor loop. Drake equip FB&GL/DAVID om!! Wa4IDM/JACK Nw 87C
/PY/ZAE, PY1RO/φ, VR3AH, ZE7JX!! Needs only ASIA Fr WAC. CONGRATS!! (Also new FOCer)!! W4WRY/JOHN
OC/40 w/ HyTower & 100w. Recently HK/VP2S, 9Y4, TG9, VP2L, PY/φ, F3, VR3. GREAT!! PA/HP/Willen Nw has
2C!! (Txn Gswl-A8312) W8ALB/JOHN Be Sure!! to QSL him & get his VY unusual & original VFB

cartoon QSL Card - its a DANDY!! He recommends going by the old saying "Listen and you will work the
X - Jam Fys with CQs and you miss them" (W8ANO sez 'AMEN'-!!) Txn John. CT2BS/DAVE Hopes his
CC will allow 160 within few months. Is QRV on 850' cliff overlooking Atlantic Ocean w/Drake Twins
Here's Hoping!! (Active 80ssb/40cw) Txn!! K4QMO/JIM Nw 71C/58. '77/CQ/160/Test - 68K. '76/ARRL
160/Test - 69K. Uses 105' Vert Tx/Rx. Congrats! W1HDC/JACK "I'm active Nw on the "GRAND OLD BAN"

sum - but seems 160 acquiring sum characteristics of 75m w/o the segregation that protects us on
O. Hope its just "Ignorance", of our ssb/cw "Gentleman's agreement", but seems to be happening,
ore and more". (Guess we'll just Hv to keep 'educating' the "Newcomers" Jack - someday we may have
Partitioning'. G/SWL NORMAN SMITH Faithful, perseverant SWLer for many Yrs "Carries-On" in
pite of handicaps pertinent to "Stroke" 2Yrs ago. Has 89C SWL'd on 160 THAT's a real wonderful and
available RECORD swl performance on 160 Norm. Muchos Congrats!! VE1MX/Harley "Hd Gud season. Shu
hunt load beam tower/25 radials. gud Fr Rx/Tx both altho sig/noise not good as dipole. 20Jan, within
Hrs Hrd ZE7JX, PY1RO, VP2DD/ but EU Path not good as 76/76. Nw 73C/58% EXCELLENT!! W2DEO/JIM Nw

/DXCC (Jan) wkd ZC4IO#100, then IK4AMO #101 !! CONGRATS! CHEERS K3ZO/FRED Ex W9SZR, & especial
x LU5HF1 Nw back on 160 w/ FB Inv L ant. GREAT!!/GL Fred. (Txn Wb2JYM/Tom) IK4AMO/GOLDONI Txn &
ONGRATS giving a "New One" to many w/vfb Stn using full size dipole 50' high. QRV/USA his sunrise.
eeds plus other days! Txn om!! G/swl-A8312/Dave w/YU, F, KZ - Nw has 52C/34. Trying Fr ZE7JX
also Hrd UALTXX, UW3PAW. MAYBE "Where there's smoke, there's FIRE" so lets hope the Us w1 B on 160
n. Txn Dave, K4JYS/BILL 160 Newcomer since Sep'76 "Really Hv Hd a Ball" 28C, 47S. Drake, Ant a
arconi w/ 20-130' Radials, Welcome Bill & GL, HA/swl-145/JANOS sent in fine reports Jan 19 thru

April, listing all EU stns active as well as DX. Vy informative and useful. Txn Janos!! EA8CR/JUAN
rd VP2DD & VE2AQS/TG9 Mar15 for #77 & #78 CONGRATS!! (Txn W5USM) G3VMW/STEVE Enjoying quiet QTH
/Inv V - apex 150' CQ/160/TEST 86W/Ve, 51M, 93K WOW!! Congrats. Quiet QTH was a /A operation!! Now
aking for permanent big, new home. QUIET QTH!! Wkd VS6, VP2, YV1, YV4, PJ2, 4X4, EA8, K6SE, W0NFL, A1H !!!

Wa9EYX/Gregg Sez: "New stuff wkd 76/77 all on SSB in CQ & ARRL Tests. "Time to trade in Keys!!" Trying new Rx ants. Am convinced BEST one is the one you havent put up yet!! Hw Hrd W9UCW 2 wire phased Beverage. Its FANTASTIC!! BOY if I only had the room!! Must be the ultimate 160 P ant. Hw wkd WAS & 50C. Tax Gregg/GL!! **DK6AJ/JOE** "WOW" for QRP. W/10w and poor indoor ant K1PBW his 1st & only W. Nw has 18C. Hopes Fr Btr Ant 77/78. GREAT!! Joe & Ernie too. CONGRATS!! **OKIATP/YARDEY** DXCC 78C/72. Congrats! Nw has 3 FB ants. Inv V & 2-dipoles. **W2QHH/HOWY** much Trble w/NOISE., TV Birdies, Etc practically kills 160 - & Otr bands also. Vy Vy Sri Howy, also for losing so many valuable trophies, cards, data, certificates in ur '69 fire!! But you sure do have the world renown QRP/DXing record well tucked away!! **VE1CD/BILL** & W1BB had vfb "Eyeball" recently in Concord at W1HZ's QTH. Bn friends since '39!! VE1EA original NS/VE 160 HAM going back to first days about '30, '31 got him started. Bn interested ever since. You'll hear Bill Quite regularly, an FB 001

WEST COAST --- OCEANIA --- JAPAN --- ASIA

VE5XU/GORDY "Am Hvg Rx Prblms w/75KVA line nearby & S7 steady BUZZ - but did QSO OKIATP 76/77 thru it all!! Had to take my tall tower down. Nw using LOW ants. BUT 77/78 hope Hw 70' insulated "Hydropole" w/ 20' extension to 90' w/Inv L Fr 160!! DO miss 160! Anxious get Bk in full form. Hvg some fun with OSCAR and only need AF for WAC!! SORRY about that NOISE story - heard more & more/160.

W6BYB/7-JOHN's "Trials and Tribulations", Sez: "Had vert ant on Gnd month last FALL waiting Fr wind calm down. Finally got up. Started on 105' radials. 2 Days B4 ARRL/160 TEST, comes 75mph "CHINOOK-WIND", took top off "Skyclaw", inc loading coil. NO Contest Fr me!! Then got up Inv L 35' high 2 day before CQ/160 Test. Came Dwn W/FLU -NO Test. Recovered to get on ARRL/WW/CW. Wkd KP4, YUL, HK4, VP2D, KH6, XE2, ZLL. Hrd many JAs S6-8 but nil. Then put Dwn few more radials. Wks like CHARM - 15JAs, 3ZLs, 4VKs scads Otr usual DX, Oceania, SA, NA, etc 24C & 46 States!! Additionally at 0348z Apr5, wkd ZE7JX/he 339-559, My 449. VE7UZ, W9MAL, W4QGW also wkd him!!" WOW - VFB John! Ur sig on E/Coast is "SUPER"!!

From JA3ONB/YASUO reports: Wkd HB9GM-OHLNK, 2BO, BM, 5NG-OKIATP, DDL, HAS, 2BGW, PGF, PGU, 3CWY-OL9CEI-VR3AH *YULSJ-*9HIAV-*4XLNJ in CQ/160 C #45!! (* Means 1st ever 160/JA) -- HRD: EI9J, ST2AY, EI8H, PA, HIP (Wkd JA5DQH). SCORES CQ/CW 1610pts/40Q. ARRL/160 702pts/27Q. CQ/160 5980pts/125Q. Ws wkd W4, 5, 6, 7, 8, 9, Hrd W1, 2. GREAT YASUO!!! Many CONGRATS!! This sure represents a wonderful effort and many hours!!

JA2G00/KINJI Sez: Has new FB Linear Nw. Always monitors 1803 & sends on 1912.3Khz. Feb Qd KH6IIV W6bPXP, N6DX, W6PUB, K6SE, ZLLHY. Band peaks abt 1hr after his sunset. Sez JA5DQH/AKI also QRV DX/160. **W7TO/DAVE** up to 48 STATES using \$41.00 rig. (Ant-Tx-Rx Total!!) Only needs Me & Del. Is on 0130 to 0300 often to help those needing WYO. Has lotsa Electric Fence QRM - Sri!!! Sez: "Will issue my special ADMIRAL OF THE POWDER RIVER award to those getting 6BWAS having W7TO as their last contact. Same award but w/"BARBED WIRE CLUSTER" for 6B-DXCC & W7TO the last QSO!! Write Dave!! Will "Sked".

Dave has excellent idea for 160 QRPers & Non-DXers caught up in the "Mad Rush" on the Low End of the band where by TRADITION DXing has always been. Suggests, like himself, they go to the relatively free and quiet segment around 1840-1850Kcs, where it is usually quiet. Max Pwr 25w, but enough for excellent work. He uses this a lot but thinks many others SHOULD to escape "Big-Gun" DXers QRM.

W1BB HEARS HIMSELF WORK KJ6DL for Country No. 136 Must mention this again - such a big THRILL! Marv KJ6DL had Cassett going all evening in shack w/long tape, as his way of inviting me to "Sit-In" and work 160 with him on a typical evening, in the PACIFIC on Johnston Island. GREAT experience, just as though I was there in person. Marv's "Narration" was perfect. Heard dead band, Loran, effects of his various filters, weak sigs start to appear. Identified W6PLH, YV4BK, VR3AH/599! W8LRL/Wal peaking 579 at times while QSOing PA, HIP and a G3. Marv calls CQ - "Nil" - listens - hears W5AB/569 & W6RW.

Wb7AEF calls CQ. W2GGL/7 Calls CQ - Loran builds up - KV4FZ pounds thru 589 CQ/QSX JA - Marv sez "HOLY COW!! Hes strong!! - Marv tries KV4FZ/Nil is listening 1912 - K6SE/589 working JA3ONB - YV4BK 559 agn on fy - W6BLZ Calling CQ RI -(Hope Ed finally gets RI!!!! a long tough haul!!) - KJ6DL Cqs agn - W4YWX ans'd - GOOD QSO W4/559, KJ6/579. - W6BLZ calls KJ6DL, Qse - Then sez, W1BB calling you! Marv calls me - we exchange 449s - EUREKA #136!! - Then "Pile-up" on BB's Fy by K4CYU & Otrs --then unfortunately TAPE runs out. A GRAND recording, thrill & evening well spent "On Johnston Island by W1BB" -- 20 Mins later W1BB/LJ6DL had a 589x2!!! QSO as band peaked. This "Visit" wasnt planned, it just happened!, this evening for me out on the BLUE PACIFIC hearing Otrs and myself -Super FB! TNX!!!

SHORT ITEMS → **W7RM/'Rush'** Now here's a GREAT Qth to have!! Box 88, HANSMVILLE, Wash. '77 SPRING EQUINOX DX to VK/ZL per WIHGT/Ralph "Only Fair - for some strange reason, spr Equinox is generally poorer than FALL - also activity down". Some 'Regulars' who came thru --VH, HK, AVA - 3AKN, CM, MR-5BC, PB-----ZLLHY, 2BT, 3GQ, 4NH. Here's to a good FALL equinox abt Sept 25 or so!!

W7HZL/A1-IDAHO at "Mosquito Junction" (Largest mosquitoes in the world!!), has made WAS/160 w/QRP in 6 Yrs. Maine the hardest!! QTH on Salt-Flat w/HiTower & 16 Radials & Grnd rods to water table. Got 57 de VR3AH, 59 de KV4FZ, 33 de Maine. Now for DXCC/160/QRP!! Uses BEVERAGE for Rx - sez GREAT on Rxing!! CONGRATS A1 - who said QRP was "Nil" on 160??? GREAT!!

△ VK3MR/"Snow", who pushed such excellent Signals to USA FALL '76 Equinox, has now a Page 5
heart Condx & Cannot operate 160 much as previously, at least Fr present. SORRY!! Snow - take best
care of yourself, and you'll live to be 100!! We know you will!! (Tx VE3EK) △ W7MRS/GARY Made
this season! & 12C & Ovr 900 Total QSOs on 160. Sez "Hvg fun giving boys NEV for "Was" But miss
wkg EU as did on E Coast. (ExK4IRQ) gg Fr 2 Ltr call Nw" VFB!! △ THE "Toppaty-Top" TOP BAND 186.5kg
Keith/W7RS who presented recording of his sigs fm Belfair Wash being copied by Wb6ERR in San Simeon
Calif 830 Miles!! Sounded just like a WEAK WEAK!!! 160 signal! Congrats Keith real PIONFERING & GL.
w/ur further experiments and tests! △ J1HKP/JUNJI uses 160 LOOP for RX w/excellent results. Also
an HRO-7T Rx, Drake 2B & does real well with 200w VFB!! △ ZL2SQ-GUESS WHO??? None Otr than Ex-
EP2BQ, '72-'75. Hopes get on 160. GL/Harry!! (Tax W1PL) △ Jag into W1/Land??? W1BB, HGT, K1PBW been
looking for possible JAs but Nil agn this 76/77. Two TOUGH problems. LORAN and AURORAL OVAL in path.

South-AMERICA - Central-AMERICA - CARIBBEAN - South-ATLANTIC - South-AFRICA

CANAL ZONE KZ5DE/Dave on 160 occasionally. Started '54. Hrd Ws needed 160 Countries so got on. Made
many FIRSTS w/WS&Eus. Ant was 30' Tall also 15m G.P. on roof w/ Coax inner/outer tied together/loaded
Ovr "Super" Gnd consisting 2 Square miles all copper water piping w/soldered joints in Gnd Fr new
housing project. WOW!! Nw retired w/105' LW 14' High. Doesnt DX Much-"KZ5AA Covers that"!! Mostly on
20 w/700w 14061 daily. May try real LW - 186. - Ideal QTH for it!! Yes-we all sure remember KZ5DE!!!

TRANS SOUTH-POLAR 160meter TESTS Organized by LULDZ/Alberto and ZL2BT/Tanner for 3rd and 4th full
weekends in MAY & SEPT each yr. OCEANIA Vs SOUTH AMERICAN activity, to work each other, and as many
in rest of world as possible. Oceania 1800-05 & 2MHz. S.A. 1825-1830 Mhz - W/VEs 1800-1806. -- GOING
to try and "Crack" the Antarctica AURORAL OVAL!! Great Idea. Rpts pse to LULDZ, Obligado 1175-1846
A. DROGUE BS AS Argentina. Dates this Yr MAY 20,21,22-27,28,29 and SEP 16,17,18-23,24,25. GL All!!

VP8MS/PETER - SOUTH GEORGIA ISL (Re Item P6 ,BULL#2 '76) PYLZAE/Hal, sez he IS authentic & did QSO
PYIRO & VP8NZ on 160 last fall. LU2AFH was on that same AM but didnt make it. Hal's known Pete since
Hal was VP8MS Himself on Argentine Isl & Bn talking w/Pete 5 yrs Nw. Tnx Hal & Congrats also that vy
"Super" job on TRINIDADE. 21,000QSOs, 200C,WAC,60Lbs of QSLs!!! Many of them for 160!! Sez" Shame
there's 550 to 1300' Peaks EtwN QTH & So/Pacific area!! You gave MANY a "New One" on 160 - CHEERS!!

S. HELLES - S79P/DICK (Ex V09P) Since Dec 15 FB Job putting this 'Rare-One' on 160!! Using FT101b
w/ext VFO and 270' LW has Wkd K1PBW/FEB12 & W8LRL/Feb26, PYIRO & ZE7JX. QSX 1808-09. Tx 1827-28 Around
0100-0200z for W1VEs & 0000-0100 Fr EUs Sat & Sun AMs gmt. Sez QRN S5/7 w/high spikes so pse QRS.
QRT Mid April. Hopes to be on Next season agn - also maybe for TRANSEQUATORIALS in JUNE. VFB CONGRAT

ZE7JX/PETER-RHODESIA A most OUTSTANDING station this season!! Sez" Cdx Bn Variable - sometimes
unbelievably good!! Wkd 5 Ws one nite & (W4s) YWX was 589,Gv me 59 plus 5 over!! WOW!!! Previous
13 days hadnt Hrd a sig. My short vert was worth all the effort. In JAN, lightning made two DIRECT
strikes. My 275' Windom and an Inv V Just disappeared!! EVAPORATED!! Not even a small ball of metal
could be found. Fortunately Vert not damaged, altho Coax was burned thoroughly one place. Cut/Splice
that. Thank goodness!! Coax costs more than gold here!! Rig Thankfully AOK!! -- Nw Hv 22C/19. S79P,
ZS4PB.ZS6DW active weekends!! VFB Peter & Tnx - hope "Local" Situation doesnt get out of hand!!

ZS4PB/Peter has become a daily/patient/perseverant 160er trying 0300-0415 Fr W/VEs. Uses Inv Vs on
160/80/40 Apex 72' w/64 180' Radials fm many "Welding Cables" Fm his former Boiler Shop, Rhombics,
Etc. Fy 1969approx. QSX 1804. Exceptionally neat Stn. QTH 8500 Acres!!!! Biggest problem wkg Pete
is LORAN in USA near his fy, but occasionally his sig will override it. Sends "GREETINGS from the
land of the CATTLE" to the 160 Gang. VFB/Tnx and hope b.e.n.u. 77/78 season & Equatorials!!/Trans

VP2DD/A1 (Ex W2BP) wkd 39States, 42C in Just two months after getting set/on 160!! FB!! (Tax W5USM)
NEW CALL PT2CW (Ex PT2FRU)Mauricio (Mac) Bn vy busy @ College/teaching/studies/thesis on integrated
Ckts, but got up new FB Dipole on apt roof w/ 1/lswr & new 600w Final. Sez w1 B QRV Fr the JUNE
TRANSEQUATORIALS. Nw has 18C. Is putting very FB signal into W/VE as of now w/new set-up!!

DXPEDITIONS

K9KDI/6Y5-Gene-JAMAICA Montego Bay w/300'ant 30' Up put this fairly rare place on 160 March '77 -FB
HK/TU-MALPELO Mar 12-16 not Hrd Fm "Wha-Happened" ?????

K1E/ZEL/Dawson-CAYMAN ISL Did grand job Early Mar thru ARRL/CW 2nd sect, giving many a "NEW ONE"!
W4BGO/TI2-Andy & Carlos TI2CF Only Tq on 160 Fr longTime. Congrats and Tnx very fine Job!!

CR3AGD (SMAGD)ERIK GUINE BISSAU Sez "Sorry" was unable get 160/80 ant up when there in March -TEARS

VR3AL/JACK (KH6CHC) FANNING I. Hopes Opn June 11or12 thru June14-15 Then on to PALMYRA/KP6AL!!!!
June 19-July 8th using Atlas 215x,T4XC/R4C & Small Linear. On much as Poss - but trip is not 100%
Hamming. ΔBTV ant & Muchos WIRE!!! 1100w Gas/Gen. JACK om - "We'll be listening" '!. GL/Hv Fun!!

W3BUR/YS-EL SALVADOR By W3BUR, K3EGP, Wa3RID Jan '77 Amateur Photo Travel Club special R.T. Pkg included Room(NG) Fr Radio & Hotel. Vy Busy Social Life/Tours/Etc & Operating suffered sum Most done after 3AM. 350 QSOs of which 40 on 160. Used FT101 & Dipoles. 200 Licensed YS, 25% Active.

BELIZE/VP1 DXPEDITION Coming up by W1FB/Doug & W8JUY/Bill sked last week OCT & 1st Wk NOV over Test. Oceanside QTH reserved. (W8JUY will also activate GRENADA/160 next fall. "Fine and Dandy"

CONTESTS

GENERALLY speaking W1BB does NOT try to writeup or report on CONTESTS leaving this for the respective sponsors. However a bit of information does come this way now and then, and is included if there's space.

CQ/WW/160 TEST :::: W9PNE/Brice Wkd G3ZYY, UBR, SZA, PJ2VD, VP1MPW, KV4FZ, DJ5PN. Sat nite - Fri QRN S9 Nil (Bt Mar 20 Hrd F8EX 339-THRILL!!) :::: VOLKE/Mike Wkd 58 Dx Stns inc EA8, 3/Fs, 4YUs :::: WLWY/Frank 34 Dx Q, 21C inc VR3AH, EA8CR, F8EX. Fri "Stinko", Sat GREAT!! :::: KV4FZ/Herb 392Q, 37C, 87Mult, 286,000 score. WOW!! :::: VE5XU/Gordy Got 2 "New" KJ6DL, VR3AH FB! Sez Friend VE5EX on soon. :::: N6RA/Tom (Ex W6NUT) New Cs VR3AH, VP1MPW, KJ6DL, KZ5AA & Great! JA run Best opening EVER Hrd!! :::: DJ4KW/Gord Business trip w/ Drake/90' wire Fm hotel window. 30 Qs & 2 "New" c F&YU VFB!! :::: VP2DD/A1 (Ex W2BP) 29C & 46060 Pts!! KJ6, VR3, YU3, EI9, GD4, PAØ, PY1 & 34 States w/ W6BYB/7. On most Sat/Sun 03-04z Fm vfb new QTH. benu! :::: OKIATP/Jarda 40Q.26C inc Wa4SGF/Mobile/459!! :::: ZE7JX/Peter 9Hrs, 11 Stns. Cdx BAD!! Took 10min to get # fm K1PBW! QRN S9 plus 30. Day aftr test wks 8W5IN 15 min!! :::: GM3IGW/a, Mike 301Q, 41M, 1675Pts 68675 Score 21states/prov, 22C/DXcc, 41FOG, Best Dx 4X4NJ, 9D5A, WØNFL, WØATH. LOST ST2, JE7, EA8, 9H1, YV5, PJ2, K6DX. TEARS!! Used LW Ant 4 Wvs long on USA. Vandals stole ALL 1st nite. 2nd nit Inv V Apex 75'. Quiet QTH SW/Scotland. GREAT "do" Boys!!/Mike CONGRATS!! :::: OK3KFF/CLUB "TEAM", (OK1FCW, MMW, 3YQ, etc) 220Q, 29C, 8Ws, 3VEs 31, 076Score. "2Hrs calling, to get 569 Fm KV4FZ!! Sez OK5TLG/p w/60meter vert is a sure winner, working MANY stns CLUB couldnt hear. (Tech School of Bratislavia)

ARRL/WW/CW Feb 19-20 :::: OKIATP/Jarda 25Q, 17Mult, 850Score. :::: W9PNE/Brice Wkd VP2DD, YV16B, KP4EAS, EAJ. "All Eu Dx wiped out by deliberate & unsportsmanship behavoir of W8VLN who kept his S9 PLUS 30DB SSB sig in middle of the WINDOW on 1827Kc ignoring all pleas to please move"!!!! AMEN!!!! (Many of us had the SAME problem Brice!!) "If we ever get an enlarged band, we should also have an enlarged WINDOW" - Tnx Brice and Congrats! :::: W3AU/Don (N5IN/3) wkd 4D, EA8, EO, 2Fs, 17Gs, GD, GI, GM 2Hbs, HK, 3KH6s, 4KP4s, KV4, KZ, OE, 3OKs, PA, 2PJs, PY1, PZ, T1, VY9, VP2D, VP2V, VP9, XE2, 3YUs, 2YVs, ZF. 62Stns, "Largest Number ever this event" Sure a lot of fun!! GREAT Don!!

GENERAL and MISCELLANEOUS

DXing "COURTESIES" on 160 - "The Gentleman's Band" - A "CODE OF ETHICS" so to speak: - Compiled from suggestions that have come to W1BB via letters, etc. - appeared in BULL #1, May '76, Page 6, a year ago - have been asked to "Repeat" - so here they are!!

1. KEEP ALL CQs AS SHORT AND INFREQUENT AS POSSIBLE. Long unnecessary CQs QRM and spoil much DX for others. (Lots of sentiment on this.)
2. CQ MOSTLY - when you must - DURING THE FIRST 2 MINUTES of 5 MINUTE PERIODS thus giving three Minutes "QUIET" time for ALL to copy weak DX near Frequency - especially on OCEANIA ZL/VK tests, etc. (Set clocks accurately by WWV!!)
3. DO NOT WORK SAME DX STATION OVER and OVER every day, week, hour, etc. Give others, new comers "Little-Guns" etc a chance at DX too!!
4. WHEN SIGNING WITH A DX STATION give his frequency and call to help those who arent receiving as well as you.
5. DO NOT "RAG-CHEW" or "LOCAL" on or near DX frequencies, during DX openings.
6. KEEP DX QSOs SHORT AS POSSIBLE especially during peaking conditions. Holding on to DX until the 'peak' has passed, can cause others to miss their 'One and Only' CHANCE. Also - right after a QSO, when the DX just worked is still operating/listening your frequency - do NOT immediately CQ/work others on or near that frequency - move away 3 or 4 Kcs!!
7. ALWAYS "RESPECT" THE "DX-WINDOW" 1825-1830Kcs No W/Ve should ever operate there!! Try to educate and help others to also meticulously observe this rule!

(There's only ONE extremely rare exception. If others are already working DX there, and will not QSY on request - AND!! it is a "NEW" Country for you - and the DX is listening in the WINDOW only - Then, to protect your own rights, you'll have to dive in, QSO DX quickly as possible and get out!! BUT in doing so, ask the DX to PLEASE!! QSX only outside the WINDOW 1823/24 or 1833/34 Etc.!! ----- (No. 7 is a "LUCKY" number --- Sooooo this Item No.7 has been added to the original list of SIX!! Hi.)

Guess that's it fellows!! Goodbye to a very FB 76/77 DXing season and looking forward to 77/78!!

73 de Stew/W1BB

Stew

PYLRO/Rolf om

W I B B
Stewart S. Perry
36 Pleasant Street
Winthrop, Massachusetts

HERE 'TIZ again - start of 77/78 DXing season w/BULL No.1

SEE page 6 especially - hope meets with your approval

CONGR ATS your excellent sig up this way most always!!

GREAT having you visit this summer at MASS and MAINE!! Tnx for GREAT dinner at Fanieul Hall Square Center!!

HAPPY DXing and b.c.n.u. on TEST - Hope!!

73/Stew/WLBB and Marguerite sez "HOWDY" & Tnx!!

Stew
96

NOV 1, 1977

WLBB --- 160 METER DX BULLETIN --- WLBB

1977/1978 No.1

de WLBB/Stew ---- GREETINGS!!! What will this new 77/78 160/DX season, which we start with hope and anticipation bring forth?? ---- "Par for the course" will be lots of expected and unexpected thrills with "New Ones", unusual condx, good friends, some tears & "Crying in one's Beer" of course, over those 'Missed', 15,000v Pwr line Noises (F8VJ), equipment failures, Ant Pblms Etc - all part of the game, and "FUN". ---- What makes 160 so intriguing? Believe it is the CHALLENGE of "Working DX the hard way" - it doesnt come easy!, but when it's done, one has a feeling of real accomplishment - the spirit of the pioneer and conqueror in us coming out. Tiz human aspiration to be reaching out to the difficult, the unknown, putting forth one's best effort, testing our "Metal" !!; AND 160 does just that!! It isnt so much the desire to 'beat' the other fellow, although competition is good, as it is to have Mutual Fun. Each enjoying his particular "Thing", be it operating, Antennas, Tests, equipment refinements, or "What have you"!! ---- Many of us have been improving antennas, burying more radials, visiting each other, revamping old, or getting new equipment ready for the opportunity 77/78 will bring. PYLRO/Rolf/WL Aug/Sep visiting many 160ers Hr has new TS820! WIHT/Ralph revamping Ant downed by spring ice storm. N4EA/Don's new ant/gnd got VK!! KLPBW/Ernie building whole new super quiet QTH, revamping present ants this yr, next wl hv NEW ones! WLBB put down more radials, tested new Inv L "on the farm" - sum Rx wk, Sta Changes, enjoyed visitors, operating/testing at QUIET "Farm" QTH, wkg on LOOP w/help WLFB/W9UCW.K8RRH, Otrs!! - Pre/amp. wk/Tnx K8RRH/KLPBW, wkg on NOISE Pblm!! - More activity by many otrs too numerous to mention!! (See herein) Yep!! Summer's GREAT time to "Get-Ready" !! How's YOUR "Capability" New?? ---- 77/78 let's NOT forget "FIRST TIMERS", the New-Comers to DXing on 160! As you know, the first 10 minutes of each DXing hour replaces the former TRANSatlantic/Pacific tests, and previous "FT" Tests. We look for FTs especially during these 10 Min periods, believed to multiply their "Chances" of making it. Applies to W/VEs well as DX. Use the call "CQ-FT" & Listen often as possible. Report FT QSOs to WLBB. ---- MARCONI 75th ANNIVERSARY Celebration/160 Jan '78. See herein & Mags. ---- The KH6 boys Nw Hv 1800-1810 in addition to near 2000Kc. See herein. ---- Would like to clarify WLBB's "Bulletin POLICY". Issued 3 times/yr. FALL/Nov WINTER/Feb, SPRING/May. Gratis/Free to active 160 DXers; W/VEs, for 13¢ SASE. (No Stamps Only). To DX 31¢ Ea airmail/4Days, or "SlowMail"/4 to 8 wks 18¢ Ea, in IRCs or Cash. ---- Speaking of Bulletins - West Coast DX BULL/Wa6AUD/Hugh, DXers Mag/Gus/W4BPD w/excellent WIHT/Ralph-160 page, "Mail-A-Prop"/W3ASK/George are all VERY helpful, in addition to the Reg Ham Mags to keep abreast of 160s DX happenings!! ---- SORRY there isnt going to be room to print ALL the interesting "TIDS and BITS" (As WLPL would say) tt U gud fellers send in. However we try to extract/condense most important & use herein - best we can!! BUT we occasionally miss sumpin, for which sincere apologies!! ANYWAY!! Many many TNX to all whose valuable contributions make this BULL possible ---- Special GREETINGS & welcome to NEWCOMERS W/VE on 160 - hope you will enjoy the "Gentlemen's Band" and help keep it so!! The FUN of DXing on 160 is especially thrilling. Please always "Respect" the "DX WINDOW" 1825-1830Kc Also there's lots of weak DX 1800-1807. Please keep for CW ONLY. For any W/VE QSOs during DXing time, please move up a few Kc above it!! Welcome aboard-Have fun!! ---- How'll 160 be in 77/78?? Well, previous years it's most always been a little bit better!! Let's hope!!

HAPPY DXing on 160 & 73 de Stew/WLBB -(& XYL/Marguerite too!!)

(SPRING BULL may be omitted this year - Marguerite and I planning CRUISE on the DE-II)

WLTX/Roy - Sad to say, Joined the "Silent-Keys" July 11th. One of the real OOTs of 160 and a pioneer w/antennas, Roy had Valiantly fought a losing battle w/Cancer for several Yrs. Never daunted, always full of courage and optimism, he operated 160 fm DXpedition PJ9JT and home almost til the end. His last appearance was with the FOC boys at Vernon Conn dinner in May w/his lovely Virginia. He was marvelous there, full of enthusiasm and interest and enjoyed by so many of his friends. He and W1BB discussed his famous 160 TREE Inv L Ant w/special ORIGINAL IDEA loading coil. He promised to take and send photos which he did, sick as he was, and which hopefully will appear in HAM Mags soon. You'll get BIG KICK out of his "Yankee Ingenuity" - Really sumpin "Different", AND!! it worked!! Muchos DX!! Roy though sick, himself took these photos, as suggested by W1BB, I believe as his last tribute to HAM RADIO and a special "salute" to 160!! -- He leaves behind, fond memories for us all. It was rewarding to have known him, We shall miss him greatly. To Virginia - our sincerest sympathies - we know she'll "Carry-On" as Roy would have wished.

W3ASK/George Jacobs who has bn so helpful w/ his support and propagation info, was awarded THE MARCONI GOLD MEDAL by the Veterans Wireless Operator's Ass'n last spring for his outstanding leadership in developing international broadcasting skillfully and effectively in ITU conferences etc. WELL DONE George om and CONGRATS from the "Gang" on 160. Keep up the good work.

GD4BEG/MIKE CONGRATS Nw 73C/67 w/ 5Z4LW. Great!! (Otr DX Scores:: EA8CR/78, PY1RO/87, G3LIQ/78, OKIATP/71, HB9CM/70). Mike was running phased Verts on 160 in 1974, one of the first, (altho K2GNC put a pair in operation Jan 19 '69 QSOing K8DHT w/10w) Mike sez "Love 160 so much may Hv to give up work!!" 77/78 W1 Concentrate on JAs w/new & Special Antennas. Mike recently made 6 Bands FOC QSOs w/ 5Z4LW, 4 of them in one day!! FB!! om CONGRATS & GL & Tax help U've given so many!!

VE3BMV/YURI "Started 160 '58 in OK/land. "It was fun & I fell in love w/this band!!! Operated OK3KGH KAH, KAG. My Call '65 OK3BU & OK5BU, & OM3BU. Cld KV4FZ 4Hrs ea nite in TEST, Never QSO'd!! '69 QSY'd to F4SY. '70 became VE3BMV, XJ3 CJ3. Enjoy contests becuz it's BEST indicator of one's performance & Know/How TTs involved/HAM radio. Enjoy 160 becuz more CHALLENGING & Demanding than otr bands & just like "The good old days". Ops on 160, 'the best' and still "Gentlemen". Tried BEVERAGES in last test/just like Hvg Binoculars. When band opened to Eu - WOW!! What sigs!! Need only 160 Fr 6BDXCC & wkg on it!!" (Yuri you recall operated XJ3ZZ/1-St Paul, a brand new DXCC/C, but only 10 'takers' on 160 & HB9RM only DX wkd - St Paul still open to Otr DXpeditions w/Permision

G3CWI/Richard Vy active, "got interested 160 JUN'76, wkd KLPBW 6 wks Ltr. BANG!! 160/BUG hit - ... lks that I'd gone mad-went Bed 2200z, up 0500z everyday. Decided needed 'Target', chose WAC. Rig FT201 w/ HB Transverter, Inv 'L' 40' High w/ 10 25' Radials. Nw Hv 43C in 10 Mes fm urban site in city w/ NOISE BLANKET. Nw QRV 77/78 - wkd PY1RO, LULDZ, VELAZZ, Ws, ZE7JX, 4UL & Otr. Sez EA3TF active, ZL2GS, G3XUA/5NZ & G3VZT, XVY/VP2MAD expected. Moving QTH to DOWANT, former 'Pesh' neighborhood doesnt like looks of antennas. Great!! Richard OM & GL!!

KM1CC/MARCONI/75th ANNIVERSARY MEMORIAL STATION!!! Dont miss the "Celebration" All bands Inc 160!! Have authorization for A-2 emission to simulate old WCC Rotary Spark Gap - WHEeeeeee!!! January '78 You should see the excellent Marconi Souvenir QSL to be used!! QTH South Welfleet Mass. See Mags or contact "WHITEY" K1VV (Ex W1GDB) for Full info!! Hope to exchange Msgs over Marconi's Transatlantic path, with many DX stations in Eu and elsewhere. GOOD LUCK and CONGRATS Barnstable R/C & Gang!! They need a good triband beam, for loan, (Or keeps) if anyone has one to spare.

STORY OF EP2BQ/Harry/160 in June '77 QST Pge 71. If you havent read it yet, you should - real rugged achievement for 160!! CONGRATS!! Harry, now ZL2SQ & Still on 160. PLANS call for return to IRAN for 4 months period each year, so hope to reactivate EP2BQ starting OCT/NOV '77. Hopes to borrow 160 rig. Was delighted to wk several Ws, JA, fm ZL last season. GREAT!! Harry B.C.N.U. & GL!!

de ZE7JX/Peter-INTERESTING COMMENT - "found by adding muchos radials to short 160 Vert it improved DX transmitting capability many fold" - sez "it did NOT help receiving. Rec'd sig, also stronger, BUT!! Noise is too!! SO sig/Noise ratio NOT improved. MUST use 260' LOW ant for Rx - wks out VY well. Uses audio filter in phones Ckt too. Just finished ESB Exciter & QRV Nw! Wkd: OK, HB, PA6, F8, PY, PT2, VE7, S79, VE1, DJ, OH2, ZS6. Tax Peter sharing helpful info w/us!! CONGRATS & GL. #Get it: 1827Kc!!

ZS4PB/Peter who has put So Africa on the 160/DX map, kept daily skeds this summer 0350-0415 thru High QRN/Loran. He & Otr Local ZSs Hv 1950Kc Net every nite 1800z, 16 Stns. W1 B vy Active 77/78. Petitioned FCC for Loran/Free DXing Fy Btwn 1800-30. Hope U get it Peter - GL, Congrats, Tax!!

CYPRUS: ZC4IO/Ian's GOOD NEWS! W1 B Thr another Yr! 76/77 wkd 3/1s, 7/4s, 2/2s, 1/8, VE1, KV4, ST2, G, GB, OH, HB9, PA6, DJ, OK, YU. FB!! 77/78 Hops Btr! Fy 1829 QRV Starting Oct 4, 8, 12, 16 etc, EVERY 4 DAYS from sunset until 0415Z, QSK 1800-10 - "Hv not wkd W6 yet but DID get 559 rpt!! Pse NOTE! Ian's words - "One morning, used up ALL my "Peaking time" working EXACTLY SAME STNS Had wkd only 4 Days before. Pse Chaps dont wk same str over & over - ONCE is enough!!" Tax Ian for EXCELLENT advice!!

G/swl-DAVID/SHARRED -#38876 becomes HAM G3NKC!! Passed exam w/"Flying Colors" for sure and has worked 10C already. W1 B on when school skeds allow!! CONGRATS, always an extra thrill when an SWL makes it!! Sez the C31FK/ANDORRA of '77 spring a "Phoney". Sri! Brother Stan also swl - between them 75C on 160. Spring equinox NOT good this yr. This is what 160/swling does to a fellow!! FB!! K1PBW/ERNIE's, two, 120' top/loaded w/inv. cone & muchos #18ccs radials, outer ends grounded, PHASED VERTICALS, quiet QTH & 6, 1500' Beverage Rx Ants w/pre/amps is like "Mecca" to some 160m buffs!! Visited this summer by W1BB, DAL, W6HX, K8RRH, PY1RO/W1 & Otrs!! In Western Mass, way out in woody country, miles fm manmade noises, Ernie has ideal spot and w/his antenna expertise is believed to have, maybe the greatest, 160m station capability now!! Wal/W8LRL would be a very close "runner-up" with his singls vertical & many Beverages - as would K6SE/Earl w/ two phased Verts, but who doesnt operate as much. Congrats to Ernie, and the other "Leaders" too!! KV4FZ/Herb too being "right up the

SHORT ITEMS W1PL/Laci rec'd 160/swl fm UB - "where's there's smoke, there's fire". Maybe! Hope! Wa8MOA/Bob getting new vfb QTH w/100' tower Fr beams/slopers, Inv Vs, Ls, Matched Tower etc!! Sez: G1ZAT, IK, VR4DX, 7P8BC, ZS6DN, CT/Azores all planning 160 77/78 & UK9AAN/Serge sez Top Band No.1 "Priority" in USSR after they get 1KW - (up Fm 20watts)!! Tax/Bob. W1HT/Ralph. Editor vfb 160 pages in "DXers MAG" lost tower/ant in heavy snow/ice/gale, freak late spring storm Made REAL Problm!! Partial repairs, enough to operate, made. Hoping for 'Full Cure' eventually. Sri Ralph but CHEERS!! Ur patience/perseverance!!! GL. W5USM/Bill Opened 77/78 w/18 VB DX QSOs using slopers to Tx, 3 loops, Beverage, for RX. Sez ZS4PB Nw on 1827 & HH2MC expected! FB & Tax!!

W9NFC(W2EOS)/CHAS got VR3AH QSL & Nw is 98C/98!!!! "Cant be long now!! Inc EA8CR Card!! CONGRATS!!! Wkg Vy Hard/not much time/160 BUT!! working on new 100' TOWER w/radials etc!! Joining the 'elite'. GREAT!! W1EFN/Walt, one of the 'Original' 160 boys Fm "Way-Back", had bad fall abt 30' -hurt leg/arm/wrist last JUL - doing Vy well Nw. SRI WALT!! A 'Rag/chewer' mostly nowadays!!

Wa4SGF/ED/MOBILE/160 Nw has 46C & Sporting TS820. Also operated NFDXA Cap Haitien Stn HH5TW etc in CQ/SSB TEST Oct. CONGRATS!! GM3YOR/DREW INTERESTING ANTENNA COMMENTS !! CQ/160 Test

used several Ants, 1/2 wave dipole, Inv V apex 90', 1/2 wave sloper 90' to 20' & LW. Difference in Rx & Tx VERY noticeable - each Ant Hd different times at being best INTO THE SAME AREA. Tax a Mc Drew - (This 'Checks' with W1BB's and others experience. Gud idea to Hv Svrl ants!! OK2PGF HAVING

TROUBLE!! The last DOT in his F is VERY often "Lest" in Noise/QRN. Is mistaken Fr OK2PGU (His friend One S.A. Stn Did it 4 different QSOs!! & Hard to get correct QSLs Fr DXCC/WAC!! Listen carefully boys!! Nw 49C/44 & WAC except OCEANIA. FB&CONGRATS!! PROPAGATION & ANTENNA INFO See "80 METE

DX" by John Develdere ON4UN. \$4.50 HR/Greenville NH. Excellent MUCH of which applicable to 160! W1BVL/Dick Back on 160 - Bn QRL DXing 180Kc - made 10 Miles .CONGRATS. (K2ANR, 180Kc Buff QSO'd 5 States!) G.L. WELCOME New comer N5WA (Ex K5DGI) already 35 States & YV1, HK6-Great!!

OG2BO/ILMO His Stn 35 Miles Fm Home, at weekend cabin & in winter often difficult get to, but 77/78 w1 try "For New Cs & to meet old friends". Has FB Beverage there so "we're hoping" Ilmo.GL

W5TI/Bill Sez "AUTEK" Audio filter "super" for cutting QRN - enabled him operate all summer w/ No QRN problem. "Hv no stock in Co. - but DO know good equip". (BB has used Autek & Agree, it is excellent) 77/78 expects Hv 93' vert w/InvV/apex 70'. VFB&GL!! IRAN!! W4ZMO/MARV gg there Fr 2 Yrs this OCT. No call yet. Hopes Fr EP2FOC!! & to give 160 a real "Whirl". GREAT!! W2DEO/Tin

Completed DXCC/160 Feb 10'77 w/ZC4IO. Started w/ WalDRS JUN '73. Only 41 Months to complete!! maybe a record?? W6PHF/ARN wks 160 w/difficulties. QTH on side of 400' Mini-Mt El 8050' surrounded closely By 14K' Mts, but has determination and perseverance!! GL/Arn! WELCOME F2007Richard to 160. New F/160 77/78 season! GL. K9ZVE/TOM MOBILE 160 "WAS" Cumiah FB - 45S/45 Nw. NEEDS!! Me., RI, Mont, Nev, KH6. Can anyone please help??? W/Skeds?? Pse write 1637 W35 St Chge 60609 ILL. Has 10C Mobile. Really Great!! (Wa4SGF also avid MOBILER/160) GL Tom. DL3AO/Rolf geophysicist in seismology Hopes activate 9H3X 77/78!! We hope!! W5SUS/John Nw 72C/66 DXCC/160. VOLKE/MI

Mike In USA Nw Fr few Mos. Then hoping go sum DXCC Country assignment. Tax Gud job putting VO/160! CORSICA/FC9UC/Jean a "New-Gne" hopes B on Fr "International" Contests. Whoopee!! Jean a very persistent, dedicated Ham is sticking "With It" after being paralyzed in both legs fm Auto Accident 2 Yrs ago. Hats off to Jean. (Tax W4ERB/W400) W9LI/CONGRATS! Made WAC AUG/77. F8EX/Jean

Qso 4X4 & Nw only needs OCEANIA for WAC FB & GL. EUROPEAN MARKERS DHJ whose operation is a mystry, is still heard 1830 sometimes QRP, sometimes QSO and is still very helpful as to condx. PT2CW sez the 1827Kc carrier is an European Phone stn and also gives good indication. Tax Mac om.

EI9J/PADDY sez 76/77 "Very uneventful Fr Him - No MEMORABLE opening. But Cdx Fr Tests mostly Gud FALL Equinox Good/SPRING, Peer. Transequatorial tests well supported but only one gud nite. Nw che band each nite abt 0115Z approx. Has used 136' Zepp, 55' High since '46 w/good results. Chan to 270' Doublet/no improvement! OELKU/Willy, who puts Austria "On the 160 Dx Map" W1 B active 77/78. Went Mt Climbing Salzburg this Summer. BCNU!! WalGXE/Gary Sez "Bn away Fm 160 two Yrs Nw - band so much NOISIER Nw!! than say in the '60s"(Yep-same story all around - Electronic Smog pollution keeps building up!! Better get a Beverage or Loop - see W9UCW in JUNE QST) Sri/Gary!!

W3RF/Guy - W1 B on 160 w/new 55' High Inv" Lthis 77/78 Season. BCNU Guy om.

OKIATP/Jardy Has Had sunheart problems & Must "Take it Easier"- otherwise is OK. Just built himself transistor transceiver! Last CQ/160 wkd 26C 40Q - Nw DXCC 78C/76 - CONGRATS!! EU27c, NA19c, OC1c, SA11c, AF9c, AS11c. WAS 34 States. JA1,2,3,5,7,8 - VE157-313 US Stns since '67. An impressive record Jardy! F8VJ/LUCIEN Has real 160 problem!! Two 15,000v Pwr Lines less than 60' Fm Each end his 160 Ant & w/ soon B 20KV. Cant get further away. Any suggestions gang, be audio filters?? SORRY Lucien!! BUT in MAY he wkd ZE7JX - Congrats. Sez friend F8BG Ex FA8BG, ALGIERS showed Him QSL de W1BB their "First Ever" 160/CW Q, 2/23/36 -- Hope F8BG gets back on 160! GL to both! K2FJ/KEN Hopes to activate ZB2G FEB'78, a relatively rare/160! GL Ken/Tax!

K8LJG/John (Ex WA8TDY) GOT BACK his 1958 original call VFB!! W1FB/Doug CONGRATS Qso/QSL KJ6DL JAN'77 rst569 FB!! W4PHF/ARNIE Made 160/WAS & Combined Centennial WAS/160 also. CONGRATS Nw erecting shunt fed vert on 500' Hill for 77/78 - GREAT!! G3VMM/Steve W1 Hv Big Inv V Apex 150' at /A QTH 77/78. Wkg Fr DXCC/160 sez "Someday!!" GL om SUMMER FTER G4EZN/JIM QSO'd VE12Z JUL. CONGRATS Jim & Welcome to 160!! OK1HAS/LUDEK Plagued w/line noise/sparking/etc. Does Hv 42C/37 Nw w/recent ZE7,YV, PY, LU. Trying hard for VK. xyl OK1DDL/Dagma's DXCC 35C/27!!! Uses Inv V 20m high. CONGRATS/GL w/VK!! WB0FNN/Steve Nw/160 sez "WOW!! what a band! Best thing ever happened to me. Anticipating 77/78 season w/ all those familiar 160 calls & exciting activity plus attitude of courtesy & Character which I hope doesnt ever go away on 160, like it has on otr bands, plus NO TVI! Using 40w and Mini Vert w/gany radials. Sorry for guy tt buys my house- the maze of wire under the ground - HI!!" vfb & GL Steve. OK2PGU/Rosti Completed WAC JAN'77 w/VK3CZ, PY1RO, ZE2KV, JA3ONB, 4U1TU, W1BB/1. Also Nw 48C/42. QSO'd JAS 23times w/11Sta. w/Vert 25m(125') ant. W1 sked KH6CHC 77/78. Invites ALL to participate w/him. W1 use 125' vert Tx ant & BEVERAGE Rx. Excellent ROSTI om CONGRATS & GL w/ KH6CHC!! WALTON/Mark Medium Wave BCL Buff (520-1600Khz w/R390-A Rx Member IRCA Nw interested 160 becuz similarity propagation Cndx/techniques etc.(Right!!) Friend Roger K1CZH/KM6 on 160 1966(Gave W1BB C#88) whispered in his ear a bit!! Anyway WELCOME aboard Mark.

W3AJS/Ed On exciting sea voyage HI, PY, YV, HK, KZ5, HC etc via 'freighter' Left SEP 10 w/FT101 Operating /mm all bands & QTHs can get Lic Fr - Lotsa red tape involved thos. Ed had Gud 76/77 w/ PZ, KL7, TI2, PJ8, G, KM, HB, EI, VP9, ZF1, C6A, PY, DJ, TG9, YV, VP5, VE6&7. Needs only KH6 for WAS. GL/mm Ed!!

W2ELN/BRAD OT 160er Nw 83!! Seen many yrs/much fun/inc 160 on RADIO, Comml Ships sparks, BC Stns, HAM W1ESP, W2AUR, W2BIX, K1ESP, W2ELN. Comml WRW, WBNY, WPCH, WOU, WLTH, Coastal CW Stn WSF etc. Many more to you Brad -de the 160/gang!! GL! W2ECT/ART's "Novel" MECHANICAL AUDIO FILTER similar to article in '76 CQ Mag, uses aluminum diaphragm in JA headphones & Schick-Injector Razor bla Sez it's real hot QRN cutter!! GONGRATS!! HB9RM/Ed DXCC 55C Nw w/ EA3TJ in SEP. CONGRATS!!

W5MCO/Vic made "WAS". Needs AFRICA Fr WAC. 54C/50 Fr DXCC/160!! Uses Minoocka ant w/Drake C Li line. Gunning for VK/ZL/etc!! FB! W1SG/Cliffe 160 since '57 Nw retired Fm RCA - bot 35 acre farm, Stonington Conn w/room Fr Beverages, Rhombics, Verts. QUIET Qth. Hopes B on 77/78. Sez that RETIREMENT "Just a change Fm one career to another" Now has taken up REALTOR's work!! CONGRATS.

GREAT ORIGINAL IDEA!!! W4RFM/VP9, and W4EV/VP9 living within 300' of each other, have a COMMON 160m Vert w/ Coax & Relays to their shacks so both can take turns using SAME ANT!! Novel, eh?? Sure puts out a good sig too as we all know. YS1WPE/Bill Had 2 Yrs Trble w/rig - AOK Nw - W1 B on 77/78 - CHEERS!! YS1MAE also expects B on 160/SSB (Tax Gil W5QPX) W6BLZ/Ed Hd FB visit w/ VELAXT/Bob this summer. QRV 77/78 Nw w/ 807s 50w breadboard Tx. Has 50C. Fb-en??!! W4PHF/ARNIE (Nw K2ZK) made 160/Bicentennial "WAS" - this sumpin Extra Special. CONGRATS. Uses 85' shunt fed vert w/T4XC. Xtra C1 Man. GREAT Arnie GL 77/78. W4LDM/Jack points out that we all have a job to do educating the NEWCOMERS to "Respect" the DX WINDOW!! Amen!! and lets try to do it with a personal nice friendly cooperative letter to them - experience has shown this is the MOST EFFECTIVE approach!! HB9RM/Ed May-Excellent/Many QSOs -PY1RO, MAG-PT2CW-PY9DM-YV4, LU1, 8-ZP9, ZE7, 4U9, HW9, EA3TJ. Hrd:: VK3, VP8, VK6EM, VR3AH, KG6, DJ8. Ant is 110' High BUT NOISY on Rx "I'm sorry for the weak stns clg me w/o results"!! Ed suggests all Stns Wk EUs up to 1825Kc, w/Gud Cdx Eu pileup terrific spread to 1835 helps!! "Nuff-Sed"!! LUDZ/AL Sez Wa7ECT/CE3 expected!! Nw DXCC/160 32C/28. Al writes Excellent 160 articles for REVISTA RADIO TELEGRAFICA, & LU/CW Group boosting TOP BAND activity. HA50142/SWL/JANOS ready for 77/78 reporting, his 10th Yr!! CONGRATS and Tax fr the excellent work thru these yrs. Gave lecture R/C Budapest on 160!! Rec'd SWL/QSL de JA1CUW/Kare!! Fb.

WEST COAST --- OCEANIA --- JAPAN --- ASIA

N6DX/DARRELL Rpts "Rainbow Ridge Radio Ass'n", W6PVB, Wb6PXP (Ex Wb6YBL) N6DX (Ex K6BCE) hit TOP BAND hard last winter. Pooled Stns - set/up on Mt Top 3000' ASL, Malibu Coast Nr LA. Nov CQ/WW at up 90' Vert w/TOP HAT & 16 Radials. Wkd 17C 1st nite!! Then built 2nd Vert ½ Wve away as parasitic reflector w/reversing relays. Got 20db F/B & 1 "S" unit Fwd gain!! This really opened things up!! Darrell increased Fm 27C to 54C w/such as EA8, EI8, G, GD, FG, HK4, KG4, KJ6, KZ5, PY1RO/1, PY2AE, 5W1BC, Wb4ZNH/KS6, VR3, YS, ZF1, KP6, ZE7. "At some points we were over S9 in EU!!" W6PUB & Wb6PXP also share in the "Pickins". LOW dipoles below crest of Hill, helped receive the weak ones. Plenty of JAs.

(Continued)

6 Band WAC made by PVB & N6DX. Sez "I Hv Gud design on portable 160m High Q Coil Vert w/radials tt cud B used DXpeditions. If can interest someone like W.Cal DX Fd to sponsor, I'll build Fr DXPeds & Motivated natives!! 77/78 W1 B gunning Fr OH,PA,HB9,G,M,OK,GW wtc" GREAT Rpt Darrell. CONGRATS! Esp tt 55C/vfb!! KEEP up the good work Boys and bouu this 77/78 w/ur BIG sigl KH6s ON "LOW END"!!! Announced by FCC/ARRL AUG, 1800-10Kc Nw allowed 4PM to 8AM local. W1 B very in' esting see how it Wks out. They had certain QRM/free advantages wkg Fm 1995-2000. This change was secured by KH6DX Wkg on his own w/FCC for 2 years. Asked Fr 25Kc - got 10. Sum DXers Hv sincere misgivings, since 1800-1810 represented their "DX WINDOW", which has now already been filled w/abt 12 Stns Non/DXers KH6s SSB & CW - on every nite. If full 25Kc had Bn Given there'd been 'nuff room & Non-DXers cud Hv respected 1800-1810. However it is hoped, and expected, that the HAM "Spirit of Cooperation"so evident on 160 , will prevail among all. So far seems to be working out quite well would say - however "Time will tell". KH6CHC,KH6IJ etc expect they MAY be back on 1995-2000 at times

SHORT ITEMS W7W00/DAVE "Had Many FB 160/QSOs w/Many "Regulars" - Seems like there's (Tnx/CH no finer bunch to rag chew w/cn CW!! Hope to get Dad's call W7JI". (Dad was a FB 160er!!). Tnx/Dave

HAVE YOU SEEN????? W6SAI/Bill ORR's new RADIO HANDBOOK?? You should! 1080 Pgs jam packed w/"Super" info for all, Inc 160 Items - excellent type, fine format,easy to read, PRACTICAL Info, w/FB Diagrams. Been W1BB's "Bible" for Yrs. You should Hv this, as well as, the ARRL Handbook.

ALSO-HAVE YOU SEEN???? W6SAI/Bill's article on 160m Ants in AUG '77 CQ Mag?? You should!! Great job spreading helpful 160 info!! Sri Fr Bill - at home QTH has picked up S7 Pwr Line Buzz. Must be located & Fixed. HOPEFULLY!! ALSO has QRM Fm the Stamford Linear Accelerator at times, only 1/2 mile ayaw. WOW!!

KJ6DL/Mary is now K4KEW/KH6. QSL KH/KJ 705B Wright Ave, APO, SF, 96515. KL7GCH/Casey Hopes B on 77/78 w/34w rig Fm 12v Batts. Wks great w/New ant - QSOs JA Regularly. Rec'd SWLs Fm UA9!! Pretty well surrounded by Mts which makes DXing bit difficult tho. Fishing GREAT/Mosquitoes THICK!! GL om!

Wa7DII/Dave 76/77 reached out w/ homebrew SSB & Random ant to ZL2BT, 5x7! Also KH6CHC & Hrd VK5CC. Fb! JALDVG/Shigeo, 12 Yrs HAM just deserted 14&21Mc, (267C) for 160!! Listen Fr Him. GL/73!

NOTE NEW CALL W6XM (ExW6BLZ) & CONGRATS Ed! GL/DX. Has SWAN 175 converted for 160 w/Pwr Supply for sale - Replaced w/ TS520S) Any takers? Write Ed. Wa7GCI/Bob Sec/Treas L.C.A.R.A. wkd PYLMAG/Paule MAY 599!! CONGRATS! Sez Club Sta W7DG w/Hilltop QTH uses 3Wve Inv Tx & two 540' LW Fr Rx. Requests EAST COAST boys Hv an ear ear Fr both Stns. "We out here in the land of eternal noise are active and listening" !! Hi.Nuff-See

JA2G00/Kinji Tried valiantly for W1,2,3, 76/77 using Inv 80' Apex, Vert 80' Top Loaded w/ Radials & Inv L 80' H1 but NIL. Ants often break down by strong winds. Thinks 76/77 Cdx poorer than 75/76 when Hrd LOUSA Stns in W1,2,8 BUT NIL this yr. Afraid 77/78 w1 B poorer (Hope not) Did catch LULDZ, ZLIMX, VK3CZ, KP6AL, KP6BD. CONGRATS!

W6XM/Ed (W6BLZ) sends list of 138 W6s he wkd on 160. Any WAS seeker needing list, write Ed!!! Tnx! W7TO/Dave's "LOWEST WAS'PER \$\$\$" 76/77 w/Station costing less that \$50.00 & Vy poor 27' High, 54' flat top wire, over chicken wire Gud Wkd WAS/160!!

Nw 77/78 gg try QRP 5 or 10w WAS same ant. Look Fr Him on 1995Khz. W1 CQ QSX 1.8. GL Dave. He just wkd 3watter Wa9FDM/9 & has QSL!! DX men, watch your laurels!!

VK3CZ/ARTHUR's ANNUAL LOG May 26/Aug20'77 of DX stns hrd/wkd. VERY interesting. 132loggings 3Wls, 1W2,3, -7W4s, 2W5s, 4W6s, 3W8s, 3W9s, 3VEs & 27 otr DX. New C QSOs KH, A35, ZE7, OH2, DJ8 total 16 Qs. Real patience, perseverance, interest, dedication to 160!! LOG COPY de W1BB For 45@ costs)

W6VD/Jack Started 77/78 w/BANG!! JA & VK!! Sez "Problem of many Newcomers is "Not Understanding the ropes" & so messing up DX, and that it is up to all of us to help educate them. Let's do this fellers, in a friendly, cooperative way, teach them the ropes, sell them on respecting the DX WINDOW etc etc. OK??!!

MARSHALL ISLs KX6IA/Doug Hopefully expected on late 77 or early 78 CHEERS!! K7NN DON/Ariz 76/77 wkd 7JAs, KV4, VR3, PJ2, YV1, VP1, 2-KP4, & hrd EI8H his 1st EU Hrd in W7. Has WAS except R.1. Vfb/Congrats!!

W6DAO/BRAD Hd Great Summer. Wkd ZL2BT, CE4AE, KH6 (Low end nw). NOISE moderate to intense. Hrd W1,2,4-ZE7, VK5, LU. "MEMORABLE QSO" w/VK3CM/Harold de W1BB/1 "Farm in Maine" BUG KEY both ways 459x2, built up to 589x2. Real thrill to both of us!! Both using Inv L Ants!! (THAT QUIET Qth in Maine sure helps too!!

VK5KO/JOHN Real OT 160er 76Yrs (or so) young & still "Active"!! Nw on 45 Day cruise, Orient/ Japan etc. Met 35 or more VFB 160/JA HAMS Inc JA3AA. Was marvelously welcomed!! Great!! Wonderful!!

South-AMERICA - Central-AMERICA - CARRIBBEAN - South-ATLANTIC - South-AFRICA

TRANSEQUATORIALS JUNE '77 de PT2CW/Mac who made fine summary his TEST activities. Used 1/2 Wve dipole 31m high w/700w. Wkd: VE1GD, 3GPO-W1BB, HT.UF-Wa4SGF-W8LRL-PYLRO, 2HDY, 3APH, 7HS, 9DM-LU8DQ, 6EF-PA, HIP-OK S, DDL, 2PGU-OL5ATG-HB9RM-VP9PL-G3MYI, RTY, ZYY-DJ5PN. ---HRD: K1PBW, K2GNC, K4CYU, Wb9QCP, ZE7JX, PY3 LG-ZP9AY-GD4BEG-LU2DFX. On TEST 34 Nights. QSOs had 18 Nites. JUN30 "Incredibly good Cdx!!" LORAN always over S7. Next Season hopes Hv AUTOMATIC RXing system covering tests more thoroughly. Congrats MAS. "On the whole" a fair show this Yr. Cond Not Equal '76. One nite LULDZ at W1BB almost instantly came up fm S4 to S8 & as quickly went Bk to S4 - almost like loose connection, on/off BUT it wasnt & applied to ALL sigs. Altogether an interesting "PERIOD" - Tnx Rolf/Pylro & PADDY/EI9J.

~~PJ2VD/JOEKE~~ aftr 10yrs FbDXing Fm PJ is leaving summr '78 Fr PA/land. Still Xtal Cont w/Viking II & 75A4 FbJoeke om & GL! ~~LUIDZ/AL's "BAROMETER"~~ 75/76-21C/87Stns, 76/77-16C/106Stns !! Latest:VP2DD & HB9RM & KV4FZ/ssb & Nw 25C/21 Congrats!! Uses New FT101E. Sez VP8PL w/FT101 hopes B on 160 77/78, also friend LU2DFX w/Homebrew & Linear, & LU9FAZ. First TRANSPOLAR Test, MAY, LUIDZ, JA2UQO, W1BB, W1HT, LU9FAZ participants. Hrd JA2UQO THEE mins Only! AURORAL OVAL's the problem guess!! ~~PYLRO/ROLF~~ Business Trip, Aug/Sep, Bn operating /W1 w/NEW TS820.Wks FB/160,Rx&Tx!! Visits 1BB DAL, HZ, KIPBW, W8LRL & Otrs. Has Nw 92C/90 CONBRATS!! Latest 4ULITU and Wa7SIN/8Rls one & only 160/Q plus Wb6EMA/TG7, one of only 4, 160 Qs by TG7. GREAT!! His objective Fr 77/78 is 100C/100!! Only needs S.D. for WAS!! Nice going Rolf om!! ~~KZ5DE/Dave~~ expects QRV/160 77/78, sez, KZ5 QSLs may become rare "Collectors" Item!! (He & BF QSO'd 160 1st in '54) GL Dave om. ~~LU2WM(ExLUAWBF)~~ "Juancho" Needs two 3500zs to get Bk on 160 - anyone help??? ~~S79P(VQ9P)/DICK SEYCHELLES~~ who did vrb 160 wk 76/77 has left. Nw in USA. 500000 No S79 expected 77/78, or is there?? ~~GOOD NEWS NEWS !!~~ ~~K4ERO/HCL/JOHN~~ Expects B on agn 77/78! VFB (Tnx W7TO) ~~VP2DD/AL(ExW2BP)~~ W1 b active 77/78, esp trying make WAS. Needs RI, NMex, OR, IDO, NEV, UTAH, IOWA, NDAK, SDAK, KAN, COLO, KL7. Can U help?? Wkd E8SCR Fr CONT#5 - needs only ASIA Nw. DXCC 44C. DOMINICA Great DX spot BUT summer QRN absolutel AWFUL, Bt w/R4C & AUTEK do pretty well. FINE Al GL. ~~ELN/mm-Mike~~ Txs "FAIRWIND", Caribbean areaNw visiting in USA. May Hv FB QTH in G/land soon. Also may DXpedition 3A2 w/Otrs. Sez XF3B/Robe roberto, CANCUN Isl hopes Fr 160. Tnx Mike & GL all Ur plans!! Congrats VFB 160/mm wk too!! ~~SS "SANTA MERCEDES"~~ Cargo ship of Prudential Lines, Jack Lachelle, Wa6TMD, carrying passengers, also is the so called "HAM SHIP" because there is a HAMSHACK w/equipment aboard for HAM passengers to use. GREAT idea eh?? Goes mostly S.A. routes. (TnxPylro) ~~GALAPAGOS EC8 DXPEDITION~~ had Tble w/160 so did not hit band at all - Tears!! ~~ANTARCTICA VP8OW~~ Active Nw per PYLRO, G3CWI, G3MYI who Hv Hrd Him 57/89. HERE's anticipating!! ~~"FLASHBACK"/Correction: BULL No.3 76/77 pge 5, 5th item should read "Hal's known Pete since Pete was VP8MS on Argentine Isl -----" Sorry!!~~

DXPEDITIONS

~~COMING!!! FERNANDO de NORONHA w/PYLRO// JAN '78 GOOD NEWS!!~~ Rolf Sez "Planning to go Again w/linear covering 1 weekend ARRL/CW, 1weekend ARRL/SSB & two wks in between". This'll B real "Super". Remembering Rolf's excellent previous one, "all hands" can surely "anticipate" this one!! FB/Rolf. ~~ANTICUA-W1FB/VP2A~~ COMING!! Fm Nov 5 thru Nov 19th - another "Dandy" - VFB & GL Doug. ~~STATISTICS - de FERNANDO de NORONHA PYLRO// ROLF JAN'77:~~ Isnt the QSL simply GRAND!! Rolf sez -- 3500 Qs all bands. 95 on 160 -89ws, 260trs in 16C (OE, GD, VE, YV, VP9, DJ, YU, GM, PY, PY, LU, KZ5, OK, G, HB9) w/ FT101E barefoot & External VFO. Inv V Apex55', ends almost on Grnd. No Power 06-010Z. x super, esp to Eu - MUCH Btr'm Home QTH. All Salt Water path, makes BIG Difference! Island LOVELY w/ beautiful scenery, "Best vacation I ever had" !! CONGRATS Rolf OM!! b.c.n.u. on the NEXT one!! ~~FLASHBACK de TRINIDADE PY/ZAE/"HAL's" FB DXPEDITION JAN/FEB'77~~ Congrats Hal!! And Tnx!! ALSO we'all want to tnx Rolf PYLRO for making the 160m Operation possible, loaning his DRAKELINE w/12v DC Batte power supply which operated 2 Hrs every other day, to let Batts Charge. ALSO Obtaining spare parts shipping Dwn to you HAL to repair it there. Unit of necessity was exposed to salty moist atmosphere abt 4 months, came back "Pile of Rust" looking pittiful, but still working. Speaks good for DRAKE. (Referring now to the T4X itself Rolf completely stripped it down, replated chassis, rebuilt and wired completely - WOW!! WE'all APPRECIATE all the work you, and Hal went to give us a "New One" ~~FLASHBACK -KINGMAN REEF/KP6BD A "EIRST-EVER" on 160 -CONGRATS!!!~~ To N9MM(Wb9LHI) Norm, Project organizer, K6NA(W6MAR)/Glenn, 160m Op, Wb9KTA/Barry, "Support Logistics", & K4SMX, HF OP. A GREAT Team & Super accomplishment!! Tnx Fr Inc 160 this "Rarest of Rare" spots. Also Fm Palmyra/KP6AL enrout kingman. Norm especially & Glenn share following interesting info with us. (Applies generally to both QTHs) . Had 4 Man Team, TWO Sta set-up 160-80 plus HF covered by putting their 80M Sta, on 160 on the Hr every Hr 0800-1200. Cut 80m Operations a bit but wkd out well -would do it agn. Rxing Cdx SUPERB "Every bit Gud as winter nite in indiana!!" Ant each QTH was 80m dipole w/headers shorted & used as Vert T Fr 160. Palmyra 70' high quite OK, but Kingman only 30' High -wasnt getting OUT well However, each visit to 160 wkd everyone hearing them - they THINK! OCEANIA & W Coast OK. East Coast Had Hi QRN & Dxp'n's sigs not getting thru well enuff, so NIL QSOs. Used DRAKELINE. Say, "Of the SPECIAL INTEREST groups, the 160 Boys were the best to work with"!! They Hv Tapes sum sigs & say, "You'd be AMAZED at KV4FZ's signal. Sum JAs strong as W8LRL is in Indiana!!" Now THE LOG 1st KP6AL 21qs KH6IJ, IIV, DL, GQW-N6MM, W6RW, VD-K6VNX-K7BR-ZL1HY plus 10JAs. HRD: VE5DX & JA6BZI. Now, KP6BD --- Jul 19, 20, 21 --20Q-KH6IJ, IIV, GQW-VR4DX-W6VD-N6DX-Wb6PXP-W7DL, QID-ZL1 HY, 2BT, 3GQ-VK2AHK, 3CM - JALMCU JA8SCD, 7NI-JF1KTG. (KH6IJ only ssb Qso) Hrd KV4FZ, W1HGT, W8LRL, N6AA. #kd N6DX, Wb6PXP all SIX ba's. KH6CHC/Jack at KP6AL did Vy little on 160 - TRIED for E Coast but NIL. (Srd Jack but Tax!) TR bac to KH6 a "Rough Deal" - 500000 that's it - "All in All" a GRAND EFFORT w/ GOOD results, considering Tnx a "million", Norm and Crew Fm the 160 Boys. (Tnx N6DX helpful comments also) ~~HAVE ITEMS for ANDORRA/C31M/EA8CR -- BAHAMAS/W4BRB -- ANTIGUA/VP2A --~~ BUT!! Hv run out of space. Wl save for BULL No.2. SORRY!!! Other General Items too!! HAPPY 77/78 on 160 w/73 de Stew/W1BB

FEB 1, 1978

WIBB --- 160 METER DX BULLETIN --- WIBB

1977/1978 No.2

de WIBB/Stew ---- As Hugh Cassidy/Wa6AUD, (WCDX BULL) said, concerning sunspots and DX, to the Sad QRPer who "came up the Hill" --- "Cheer up!! Things could be worse!!!" SOOOooo..., Concerning 160 we all did cheer up, and sure enough things did get worse!! --- Which about explains the 160 season thus far! Everyone agrees, Condx havent been "too good". But, "hope springs eternal" in our human breasts for "The good old days". However, the band hasnt been completely dead by any means. The patient, and perseverant, and faithful, have been keeping the "Vigil", and having some fun! We've had a few excellent high spots to remember! -----Actually, I felt that a "New Dimension" was added to 160 DXing a few nights around DEC 28/29/30/31, when I sat enthralled listening -(and was a minor participant QSOing G3 & EI one night) - listening to Ernie/K1PBW as "MC", on 1810Kc SSB mostly, but some CW, 0730-0830z approx, conducting a "Round Table" -- sometimes called the "Insomnia Net" at 2:00-3:30AM Local, simultaneously between ZL2BT/"Bob", at his sunset, with EUs -G3SZA, MYI, CWI, XSC, YL, JMJ, ZYY -GD4BEG, PA/HP, E18H etc at EU/Sunrise -- and Ws:: K2ECK-3GH-5YU, T0, MY, Wa5SMP - K6SE, W6JUC - 8CNF, XO, BNF, IHD-9UCW, EYY, MAL, HT, K_ZVE/mobile -ONFL, K0ZK & Otrs, here in USA "In the middle" of the Darkness Path from G to ZL. Some Ws contacted both Eu & ZL, (Ernie quite easily), - some EUs contacted ZL!! BB couldnt Hv Bn more thrilled, unless he'd been in Ernie's shoes himself!! THIS!!! was "Really Sumpin!!" WOW!! ----- Another Highlight, Nov 27/28 Wb6PXP/Neal wkd G3SZA, 599x2!!! -----WIBB's "BAROMETER", as of Jan 20th. Last season to DATE, was 52Cntries/114 Stns QSO'd. This season to 20th also, '77/'78 shows 46C/122 Stns. Believe C wkd reflects Condx, while statkons QSO'd reflects more 160 equipment being available. Would say this does show the poor condx we're all talking about. Also Last "New-One" for BB was No. 140, C31MN, in May 1977. Quite long time!! (Altho missed a couple possibilities). ---- SOOOooo while 160, has Bn Dwn a bit, we Cant say it hasnt been interesting, intriguing and CHALLENGING, "AS USUAL" !! What a "lift" it is too, when suddenly we find 160 'open' with good or unusual DX! It's like the sun coming out after a long dark storm!! Patience and Perseverance pays off!! ----- Another "GRAND" event!! Wasnt that the most beautiful sound to hear on 160????!! KMCC, Marconi's 75th Anniversary Celebration Station, (week Jan 14-22) with "CC" & "WCC" simulated Rotary Spark Gap!! SALUDOS to "Whitey", K1VV (Ex W1GDB) and the Barnstable Radio Club Crew, for a "super" job of operating and memorial message handling, keeping 'on the air' thru severe almost hurricane windstorm, then blizzard with 2 Ft snow. Their 160 Contact were creditable in spite of this, and also taking into account that again 160 "CONDXX" were not too cooperative. (Hear this!! "Whitey" sez while on 1810 short while, SSB Guy called, said "Get off the band - you're in SSB section, and T4 is illegal!!". Problems, Problems, Problems!!!) VFB boys!! --- Another "NEW-ONE", ZL1AA/K-KERMEDIC, and "First/Ever" on 160 deserve Sreal "CREDIT". Not sure of QSO list . Tnx Boys!! ----- The FUTURE looks promising!! For example, FO8/CLIPPERTON, per Wa9INK/"Sig" & Crew, is 99.99% sure now for end of March. Landing Documents are in hand! GREAT!!!! ---There's another 160 AWARD to "Shoot-For" now, WORLDRADIO's "100-N", worked 100 NATIONS. Congrats WR/Wa9INK/"Sig". (See herein). GUESS that's about it for Page 1 - except, Pse REMEMBER, there'll be a #3 BULL this spring. XYL and I gg on QE II Cruise. Next one, Nov '78, No.1 for 78/79 season. (Hope not to MISS another "New-One" while on QE II, like JY9FOG while on So. Pacific cruise in '73, but could!! FO8/Clipperton, coming up, for example????? MURPHY's Law??? Even so, CRUISE is WORTH it! AGAIN - many many THANKS to all of you whose valuable "Contributions" have helped to make this BULL interesting for others, also for the many personal kindnesses to WIBB, which are sincerely appreciated.

HAPPY SPRING and SUMMER to 'yall !! With lots of 160/DX!! BCNU on THE band!!

73 de Stew *Stew* & 88's de Marguerite.

WORLD RADIO'S NEW WORKED 100 NATIONS AWARD Announced recently by DXpedition/DX Editor Wa9INK/Sig, sez: "Believe this will appeal to 160ers, since in a way, we're trying to make other bands also "Gentlemen's Bands", Believe wkg "100-N" on 160 as difficult as wkg 200 DXCC Cntries -- Sooo, No.1 100/N some years away!! NOT intended to be replacement for DXCC which is, and always will be a **IGH MARK** of achievement for DXers. The UNITED NATIONS will be criteria what is, and is not a NATL. An official information sheet is being printed". Thanks Sig, CHEERS, congrats & GL!!

YULPCF/MARIO SRJ representative and technical advsor at WARC consultations SEP 12 at IARU Region 1 direction finding Championships, Skopje/YU5 (At which K1ZZ, representing IARU/Hq and other East/West representatives were present), used the opportunity to emphasize YU/160 involvement and achievements with pledges of assistance, and urgings to other Countries to give their Amateurs privileges on 160. Representatives responses were encouraging. USSR Chief Editor their "RADIO" Mag sed their authority considering TOP band for UA Hams, in preparation for 1979. BUT USSR still has some commercial airplane stations on 160, and seem Vy upset by any unlisted operations there. POLAND already have permission as of Jan '78. (Hvnt Hrd 'em Yet!!) HUNGARY did Hv 160 - dont know why taken away - workin on problem w/help and YU encouragement. ROMANIA hoping for 160 at 1979! -- Mario, who was W1BB's 1st YU Jan 18'77 Bn in USA w/DIGITAL, leaving Feb 1, had "BALL" in CQ/CW Test w/friend K1ZZ wkg G, GU, GD, PA, HB9, OK, YU2HDE, OH, F, YV & Hrd KH6, VP2, PY1, PJ8 & Otrs. Sez "160hr sounds like 15m in EU, when compared with Eu Commercial QRM!!" On return hopes for quiet QTH w/Beverage on USA. His Club Stn YULBCD planning BALLOON ant Fr CQ/160 Test. Tax a "Mc" Mario Fr interesting comments & FB "Eyeball"

PA/PHIP/WILLEM Bn transferring operations to /A QTH w/acres farm/woodland Fr Ant Farm. Hd sum trble, big storm ruined months of wk, tower dwn, ant broken etc. Also Rhombic tried didnt wk out. BUT with patience/perseverance he persists - one day wl hv it JUST where he wants it!! Bet it wl B real potent sig!! Meantime, trying sloping dipoles, small Delta Loop, 120' high, continuing on air and not doing bad either!! Sez his Beverage Rx ant wks MIRACLES!! Now 83C/79!!! - NEEDS VE2HQ5/TG9 QSL, Anyone help????? Sez "Still climbing DXCC Ladder, but getting slower all the time" (Yea, tt's Hv it IS!!) -- "BIGGEST THRILL, Mar '77 wkg ZL2BT CW/SSB Long Path, well Ovr 12,000 Miles. (Btr Check Willem maybe a "Record" !!)" This completed my SSB/WAC (First in EU) something believed impossible!!" He also wkd 452 different W Stns fm all dists & 33 States, Inc W6RW, K6SE" - Sure a great 76/77 - CONGRATS In 77/78, CQ/CW 17K, 5Cont, 42Mult. New Eu Record!! Added ZF1CD, 2AW - Wb6PXP, K6SE, N6DX, W6PVB, Wb6 I. Many JAs but only wkd JA5DQH - frustrating!! NOW believe had full size DELTA LOOP working!! "SUPER"

CHEERS!! SARDINIA, RARE "NEW ONE" IS LYN/Mario NOW ON 160!! and Nov/77 wkd K1PBW, W8LRL for "FIRST-EVER", IS-W-160!! CONGRATS Mario! - Is on 160 only occasionally as EXPERIMENTAL STATION, especially during contests to improve equipments, and repair transceivers, not for normal QSOs/Hamming. NO skeds - but listen in TESTS. Bn using 80m dipole, Bt W1 Hv special 160m ant soon. Uses FT101b w/ VFO & FL227B, TRIO QRP/5Watts/5 bands - Hammarlund super/pro, Gelose, Hallicrafters RXs -- HyGain TH3MK3, W3DZZ 40/80m, 3 Verts 10/15/20, 11e1/2m beam. Also starting SSTV Rx/Nw-Tx/Sn. Mobile 2m. Wkd Ove 140 Stns on 160, inc OK, G, GI, GD, GW, GM, F, OE, YU, HB, DJ, OH, 9H1, W, GU4. Has Many diplomas for his FB Accomplishments. His W/VE QSL Mgr is Wb6TZQ. Many Tax Mario for putting SARDINIA on 160 Meters!!

OCCASIONAL BEACON/MARKER ON 1827 KHz --BB Often Bn Hrg steady carrier w/QSB, especially when band gud to Eu, Friend G3JMJ/Don sez "IT is WICK RADIO on NE Coast GM. Wks lot Tfc to N. Sea, Oil rigs etc. Often leaves CARRIER running many hours. Wks A3A (USB) and A3H, 2KW PEP. so 1827 is Fy Gs, Gms, etc should stay away Fm to avoid QRMing and being QRM'd!! W/VEs should NOT send QSX-274!" -- BB finds WICK Vy Helpful, at times, as supplement to DHJ/1830, which runs TWO stations, one at either end of Baltic, CUKHAVEN DHJ/54, & FLENSBURG/DEJ58, 1KW/cw, often keying both simultaneously. Tax/DON!

160 "MOBILEER" WA4SGF/Ed Still gg "Great-Guns". Just wkd W7TO Fr Wye, after trying 5 years! Nw needs only ND, SD, KH6, KL7, admittedly TOUGH ones! to complete Mobile/160/WAS!! Also has 46C & 5 Cont. Using TS820 w/45w output & 19' tri/coil whip. This is REAL patience/persistence!! Ed was first to obtain WAS/1.8 Fm W4-in 1970, Nw well on way to "FIRST-EVER"/Mobile WAS!! - (Tnx to W7TO for info!!)

YU2HDE/ZVONKO, Tears! Tears! Tears!! Sez "ARRL/160m Test - Rare VFB sunrise opening - in 40 Mins hrd over 40 USA stns 1800-1840. BUT only few "Standard" W/Ks listening Fr Dx most of whom I had wkd B4. Many rare ones I hrd w/nice sigs, all call areas, except 6&9. BUT no chance to QSO!! Why dont these boys Hv an ear for Eu? Dont they know how to use WINDOW?? Or unfamiliar w/prppagation? Or this they too "Small-Gun" to QSO Eu?? Not listening Fr DX?? Probably many Hv not QSO Eu yet! This I sure becuz raised few 1830-35, they suprised becuz not expecting DX! (I can only Tx 1825-35). See how hard it is to wk new states, for EUs!!! " Sri Zvonko/Tnx info! "A Word to the WISE is SUFFICIENT!!" Unfortunately ZVONKO will be QRT now for one year to do hismduty in the ARMY -- GL and b.c.n.u. lyr. **PHASING OUT OF LORAN "A"** is already "under-"ay". CHEERS!! We'all just CANT WAIT!!

K2GNC/BILL "Cndx Bn POOR!! So cant get full benefit of summer's improvements!! 160 influx continues - w/transceivers, linears, Beverages, towers, more ops - soon'll be like 20!!! Every nite, most, hear "Tnx Fr 1st 160 QSO". WINDOW getting dirtier! Wonder how long IT'll be the "Gentlemen's Band" ?? --(BB's optimistic - think IT'll always B, to greater extent than Otr Bands. B' doing much experimenting with various antennas for low noise, etc. Wkd ZE7JX with LOOP!! FB!!

IC AND MAY BE ON 160 SOON!! (Maybe even now??) Per Fred Race/W8FR/TF, (Ex K8IUA, KL7HEE, W8KWN, GM5BFQ TA2F/mm) who sez TF3ST quite interested & might appear on 1807.5Khz LSB Fm DeActivated LORAN "A" Stn. We're "All Ears" Fred. Hope YOU might make it too! We're Hoping!! Know you're trying and would Hv R4B/T4B plus SB200 available. We well remember Fred putting KL7 on 160 giving MANY their 1st KL7

DJ4KW/GERD (Munich) Lost his vfb /P QTH near Munich, where he had use of old 210' tower, plus 36 radials - owner, DL/Army has taken it down!! Tears!! Nw Going Bk to DJ4KW/A Dx QTH in N Germany. Not nearly as Gud. No Ants Yet. OE/160 Nov Test Hrd No Dx or anyone wkg Dx. Date/Time of OE Test impractical. 3 yrs ago, same thing. Remember W1BB trying hard, wkd ONE OE BUT a minute or so AFTER test ended so no count!! Dec Hrd JA6WGE, JA3ONB, JA5DQH all 459. Many EUs cld but no QSOs". Tnx Gerd!!

K1PBW/ERNIE-CONGRATS!! Wkd 3 "New-Ones", ZL1AA/K, IS6LYN, CW6A, extremely rare and difficult too!! Those 6 Beverages and Verts in phase "Worth their weight in Gold" - Eh??!! Sez Condx definitely Dwn on last season. Contest scores Dwn - in spite of improvements made Hr" - Yeah, We'all agree!!

W1HT is NEW CALL of W1HGT/Ralph!! (One has to keep hopping to keep up with the new and FB calls #!) Congrats Ralph and GL!! LOOKING out of Ralph's 20 Story office Bldg in Boston, Ralph can SEE W1BB's "Tower" QTH w/Inverted Vee, surrounded by the Atlantic Ocean - took FB color photo for BB - Tnx!! Ralph believes one reason 160 seems poorer this 77/78 thus far - DX Activity down becuz HF bands picking up and many busy there - Not because "Sunspots are too low" !!

W1BB's "PROBLEM"!! Trying to solve it. On the "Farm", Hv "Super" quiet receiving Condx FB - but only Fair (Transmitting Cdx. At home, BOSTON, Hv POOR Rec Cndx (Noise).but "Super" Transmitting Cdx. (Ovr Salt Water Ground!!) BUT trble is, as always, "You cant work 'em if you cant hear 'em" -, those rare and very weak ones!! Am in Boston 10 Mos of Yr, in Maine 2 Mos of the poorest DXing Months. How does one solve that,?? Should either move to Maine?? or bring Maine Receiving Condx to Boston - A - cant do either!! However, No complaints, one does best he can. Makes it more CHALLENGING!!

G/DUD of "Shadow Edge"/160 DXpertise, sez, 160 Bn unusually noisy this 77/78. DHJ fairly regular but sounds like two QRP stations keyed simultaneously, Fys Diff by 100hz. Must be one Stn at each end of Baltic, (Yes), becuz sigs arrive at diff times!! SCORE Fr 2 Yrs::42x5B, 21x6B, 2x7B. Hopes to be visiting in the USA during '78. Hope so Dud and b.c.n.u.!! Gl. Tnx.

OH2BO/LLao Sez "QRV only Few weekends - Band poor this 77/78 - one complete month of AURORA - sad!! ARRL/160 Test, Hrd only K1PBW Weakly! HF Better/160 Poorer. Nw Hv 3 Mini/Beverages 600' E.W.N. and Wk GREAT!! Wkd 15 JAs in CQ/CW w/East Bev. FANTASTIC!! No JAs Hrd on Otr Ants!! Two "New Ones" -- YV1OB & KP4RF. DXCC Nw 46G/42. Use Drake TX/RX. FB Congrats LLMO Fr putting Finland on 160 DX MAP

SHORT ITEMS W9UCW/BARRY's INTERESTING OBSERVATION reference working ZE7JX, sez: He comes in early around 0230-45 Fr Abt 15 Mins. Then, as he fades out here, East Coast begins Hr & Call OKIDEW/MART's (Ex OL5ATG) ORIGINAL ANTENNA!! Used lightning rod on factory Chimney, 291' Vert in CQ/CW Test, Call OKLANM/P. Wkd Great! WOW!! HEARD ON "THE GENTLEMAN'S BAND" VE1CD/Bill was calling and trying to work PY2EGM. A W4 broke in on Bill's Fy calling him -- got no answer from VE1CD who was probably QSX the WINDOW. So the W4 sent "FU" and started calling CQ.!! '79 WARC Hopefully W2CD/John, who is doing, and always has done much to protect and further Amateur's Status will be there working for the best 160 privileges. GL John/Tnx!! Sez "Condx Hvnt Bn Gud for while.

FATHER/SON 160/TEAM -EA8CR/EA8QR!! Juan/CR and Fernando/QR, both covering 160 and doing excellent job! GREAT & BCNU often, Hope!! REAL THRILL!! Sez W4HHN/Keith after wkg VK5BC and VK2AHK for his 1st VKs. CONGRATS. Yes - always a thrill on 160!! ZE7JX/PETER-RHODESIA Sez (Dec5) Apart Fm few occasions, Cndx this Yr Bn Poor, VY Poor, with unusually high static - even during our winter. Only recent DX wkd: G2JL, F5AD, N4EA, VE3BBN, K2GNC, DJ8WLA, DL6AA, CY1MX. Hrd YV1OB & K5RC/579.!!" Since, things have picked up a bit. CONGRATS to Peter for his regularity, on 1827 practically every night at 0330-0430 approx looking for DX. K1PBW sez ZE7JX an excellent "MARKER" to SE - if he isnt hrd - band isnt open!! Tnx Peter.

FLORIDA-W4BRB/GENE Sez "160 Bn frustrat: t' far. Not up to previous fall/winters. Glad got my DXCC Last Yr (Amen). ESPECIALLY NICE CALL KOPP for Kenneth KOPP. Made 160/WAS once, now starting all over again! (Tnx W7TO) VFB!!

SOUTH AFRICANS ZS6 Nw Hv full band 1800-2000Khz with 150 watts, BUT must not use any Fy within 3 Kc below or above 1800, 20.30, 87--1936, 81, 82Khz. ZS6DW on regularly Wed, Fri, Sat, Sun 1824h ZS4PB on now and then. ZS6DN expected. (Tnx to ZE7JX) W5TI/BILL Bn finding Sunset/Sunrise times Extremely helpful in working for WAS - a good "Tip" gang.

Page 4. **CONGRATS G3CWI/RIC** Nov/77 wkd JA30NB & JA5DQH. 5th G to ever QSO JA!! And with W3AJS/HC2, ZF, XE - is NW 49C. VFB!! **ORIKU/WILLY WINS AGAIN!!** 160m Diploma in "All Austrian" '77 TEST and snags 3 "New-Ones", OE7CGI, YU2HDE, 4U1ITU. CONGRATS!! **DENMARK OZ5DX** (de OZ1VY visiting FOC boys around Boston) Sez OZ5DX interested in 160. Petitioned "FCC" for permits. Will take about 2 yrs to come thru, '79 or '80. Good Start tho. Congrats!! **K5JVF/DAVE VISITED SUS** /JOHN Sez "Sure would hate to give someone directions to John's QTH. He is only HAM I know tt ves so far out in the booneys. He could qualify for separate Country status. Nice quiet receive QTH!! **GU3HEN/STEVE** (Ex ZC4AK/1961-Ex5A3CJ/1963) QSO'd K1PBW Nov6 for 1st ever GU/USA/SSB. Also W1BB on CW. Great hear Fm U agn Steve - those calls famous!! **VOIKE/MIKE** in USA W4, W5 Now. Reminisces sez "Greatest of all thrills on 160 - QSO'ing GD4BEG Dec 21 '75 at 1740Z for record "EARLIEST TA" 160m QSO - to me ranks as "Standout" QSO of 'em all" TTs real early in the afternoon. CONGRATS!! **G3JMJ/DON** "Wkd CE/AE, 589/459/QRN Jan3 0120z!! OZ active w/ G4AJD/P/OZ at EBELTOFF. Wkd Him Jan 4 1950Kc A3, S8. Trying get him qrv W/VEs. CU CQ/160 Test w/MACKAY 3021 Rx - HOPE!! Tnx & GL Don. **W4HY/BAKER** Bn Vy QRL - No time Fr DX'ing. Tried LUIDZ, VP2VL Jan15 - Nil/QSB. Still Hvnt given 160 up the!! (Glad U cud make it even for a short time!!) **F8EX/JEAN** 73yrs "young" Bn Vy active since that "Historic Day" Jan 1 '77 when Fs allowed Bk on 160!! TESTS CQ/160m, ARRL/CW, RSGB (Summer) 1.8, CQ/CW '77, ARRL/160. His DXCC/160 Nw 24C. 17EU plus 4X4, ZE7, W/VE/VO, KV4, PT2. Needs only Oceania for WAC. Skeds w/ZL3GQ. Receiving Trble w/NOISE (Join the Club!!) Tried Loop. Wkg on DTRI (Fcc) to give 10KHZ instead present Spot Fy 1826. VFB Jean & GL!! **N4EA/Don** w/ CE/AE & C5AAD (Dec) Nw up to 76C!! VFB & "Keep Climbing"!! **"ON TARGET"-G3CWI/Richard** Made 50 Cntries mark late DEC- Was GOAL Fr his 1st 160/DX Yr!! Nw Fr next 50!! GL!! **W1BVL/Dick** OOT, Sez "Band seems below normal but did wk HH5TW Fr #18. Spending most time on 180Khz, w/ W1OJ, BCW, ATO. My DX record is 40 Miles!! W1OJ wkd K2ANR, 110 Miles. Sigs generally low & in NOISE. Btr w/Cold Wx. Congrats Dick but dont give up 160!! **OK1MCW/MARTIN** Nw 32C and WAC. FB Congrats! **W4YE/Buddy** - "FUN to get these DX w/ my Drake C/line & 300' L Ant. HK/BKX, YV1OB, OK1ATP, GD4BEG, HB9RM, G3CWI, KV4FZ. The Gentleman's Band has sum VFB Rag Chews. Leisure Pace of 160 a welcome relief Fm "Hurry-Up" QSOs on HF!! My Dad, W5KL w/ 70' dipole 'Loves' 160!! (W4YE is QSL Mgr Fr EP2IA & EP2VW). Tnx/VFB!! **DJ6TK/Wilf** "Santa" brought brand new FT101B. 1st QSO w/ friend Ernie K1PBW, got 579!! HE 599 plus. "What a sig"!! Now Hv 35C/32. Awaiting KV4FZ, EP2BQ, I4AMO. CONGRATS!! **C5AAD/GAMBIA** Was on arnd New Years. Wkd G3SZA, N4EA, VE1ZZ, W2LW. On 1824, QSZ/LF, Abt 0030-0130z. **K6RW/John** New 160er sez "TOP BAND" has become almost mania with me. Since Oct wkd 42S & a few DX. Experimenting w/ receiving Ants. Gaining Fr KL7 & KH6. After WAS, then on to DXCC!! VFB/GL! (Here's a good KANSAS contact fellers!) **W1JR/Joe**, Newcomer w/100w/out/Transistor Rig - Inv Vee at 95'/ JAN wkd PA/GM, G. Covers Nw Fm 1.8Khz to 2304 Mhz - 12 Bands Fm big ant farm. Welcome to 160! GL/DX'ing! **OK1HAS/LUDEK** "Bn Vy QRL Wk lately - little 160 - Bt Fm Nw W1 B Better. Wkd HK/BKX, 9D5A & Hv 42C/38-DXCC. XYL DAGMAR 39C/31!! Hv SON/Daniel, 10yrs, studying code - W1 Be member TOP BAND TEAM soon!! Altho .Lowest age Fr Lie. in OK is 15 Yrs. (Sri). Wkd some JAs" - Tnx Ludex/GL to you THREE!! **HUNGARIAN SWL/JANOS HA5 142** submits his usual VFB "LOG" of DX Hrd and EU participants etc. Too bad room isnt available fr it all in BULL. Interesting Reading. He Just got his JALCUW 160/QSL. Autumn vy QRN/Noisy. OM K1PBW Conquers all - his sig Vy strong Hr!!" Tnx Janos/GL. **ELON/MIKE/G3UOF** VISITOR at W1BB Jan 1 w/YL Marilyn - Had VFB "Eyeball"! Mike hopes Fr Drake Equip and W1 call soon, for a while. Tnx Fr the many FB/MM 160 Contacts with gang Mike!! GL!! **"AIN'T IT TRUE" G4EJU** sez "The Local QRN/Noise level so high cant hear or work 'em!! BUT there's so much more fun and Challenge to be had in OVERCOMING this QRN/NOISE situation, than the "Easy Way" out, on HF Bands!! (Right!!)

WEST COAST --- OCEANIA --- JAPAN --- ASIA

K6SE/EARL's "TOP CAPABILITY" STATION in SANDY MOJAVE DESERT, Bk on 160 after Summer's diggings in of 20,000 Ft of "Radials" - WOW!! With two verticals in phase and 4 Beverages!! One on JA gives "Pipe-Line" effect wkg many w/ease! (What wouldnt some of us give for just ONE of 'em!!). DXCC ovr 90C Nw & with 160/WAS/SSB. Wks ZL2BT easily and regularly. Recently 58x2 solid while Otr Hams w/o Beverages not hearing ZL at all!! Testimonial to Beverage! Sez to EU Boys "I'm on every AM (Most) your sunrise time looking Fr You!!" CONGRATS Earl OM to you and your TOP CAPABILITY Station!! (Greatest capability stations now believed to be -K1PBW, K6SE, W8LRL, KV4FZ, PA/HIP, GD4BEG, ZL2BT, G3SZA, G3MYI, Earl bilt each Beverage 600' long EAST -NNE-WNW-WSW Directions w/No.17 Gal Iron Wire w/some help fm W9UCW, W8LRL, W1WCR & Otrs. Gets 40DB Front/Back and 60DB Front to side on low angle signals, while rejecting much unwanted atmospherics. 4ft ground rod and 330 ohm 1/2 watt resistor at far end to 8 Ft above ground. NO PREAMPS USED. RG58U direct to receivers. (Tnx interesting info Earl & Congrats **KH6DL/Marv** (Also KJ6DL) Sez: "The local Hawaiian KH6 boys, shoot the breeze on low end of 160, (See Bull No.1 Page 5), well before band opens to the mainland. However, soon as we hear a "Peep" of DX, all hands QRX for the DX. This procedure working out well and everyone has fun! KM6FC/Len is active, look for him. Marv also! QSL him KH6/KJ6 705B Wheeler, Hawaii, 96786. Vfb/Tnx & GL Marv on!!

JAPAN REPORT de JA3AA/Isaji Shima: "WLEB CUP" awarded this Yr '77 to JA3ONB/Yasuo Nakanishi for outstanding 160m activity and accomplishments. He seemed to have "Pipeline" to EU QSOing G,GM,OK,OH,HB9,PA,9H1 etc, regularly, especially NOV, almost every day!! ----VK5KO/John's OCT visit to JA a memorable event, "Eyeballing" w/ many JAs, inc JA3AA, in Kobe, Yokohama, Nagsaki. ----Shima/JA3AA visited 9V1SP/Mr.Kuraha Oct, urging him activate on 160 -Did - QSO'd JAs No 13 1912Kc - JA1CUW2GQO,IRH-3AHQ,ONB-5DQH-7A0,NI., using FT101E & Dipole 120' high ---- On Nov 22 EP2SV Q'd JA5DQH. ----KM6FC Nov26 Q Svrl JAs --- JA8IEV/JD1, Marcus, Active --- FATHER/SON 160 team Agn! JA3AA/Isaji Shima and Son JA3AAZ/Hiroshi Shima. CONGRATS!! --- Other outstanding JAs: JA1CUW/Kazu, JA1LKH/Mine,JA3AHQ/Nariyuki,JA3BDB/JA5DQH/Aki,JA8SCD/Yasu,JA9BOH,JH7GFW. FB/Tnx/GL!!

N6DX/Darrell - "Rainbow Ridge" Dec wkd KM6FC Fr No.65!! CONGRATS! (See "TESTS herein"). Here's sum Gud info Fm N6DX & W6PVB :::"Bn experimenting. w/Small loop, found ALL sigs near Grnd, Vert polariz ed. DX & Locals, all the same! This explains why verts Wk so Much Btr than Horizs at all practical Ant heights. The "message" Fr all 160m DX stns is to Transmit on Vert, and Rec on Horiz. So many use inv Vs, or LWS! Top loading a tower, resonated w/ Coil & Whip, w/ GOOD Grnd, will beat ANY HORIZ under 200' high!!" RIGHT!! & Tnx Darrell om!! ---"K6SE/Earl, is setting the "Standards" Here in W6.7. land w/his VERTS in Phase, desert QTH & Several Beverages. He Plans to put up more Beverage they work so well!!" - RIGHT!!(And Ernie/K1PBW sets the "Standards" Hr on the East Coast!! w/His phased Verts, scads of radials & 6 BEVERAGES!!) (WLEB would like to add - We'all shouldnt be discouraged in our 160m DXing by these super antenna systems Vs our "Moderate" ones - with patience perseverance and "timing", one can work lots excellent DX without them, like G4FJU sez, page4, there's FUN and CHALLENGE in "Overcoming" !!) [] VK6swl/Gee ALLEN, who was so active SWLing/160 Fr so many Yrs w/his VFB swl Rpts to all DXers, Sez: "Think of you & Gang on 160, recalling all the happenings we shared - wish could be repeated! Remember when VK6NK opened path Fm VK6, followed by IZ&HD. Hv it all on tape. Listen & Marvel at FB sigs/160/DX openings we enjoyed arnd last sunspot Max - like of which sum say w/ Nvr happen agn. I rue the day when NOISE descended on this quiet QTH. But I listen on my loop, which makes the best of a bad job & more than repaid time and effort spent designing & testing it. Dont listen short path/G Nw - too much effort crawl out of bed 4.30a local at my 75yrs - "Creature Comforts" come first but will always "Have an ear" for 160!! Mick VK6HD still QRV bgt sez Hrs mostly NIL -73 to all!!" Tnx Geo, FB. We'all remember your "SHORT PATH T" article which appeared and helped so many to WAG!! 73/GL [] JA1VDJ/Shigeo (Electronics Engr developing Microwave Radar) w/FT101B,TS820S,Linear, InvV wkd W6,6,7-JA8AQN,8IEU/JA1,9M2BZ,KH6CHC, K&AX/DU2 & 1st EU OH2BO in CQ/CW test. Listens sunrise evry AM Bt Cdx Nt Gud. Hrd OK1HAS,2PGU,2KA, EP2SV,KM6FC,KP4EAJ. "160 is a Challenge, like pioneering". Wkg on LOW NOISE Rx Ants. Beverages not possible Hr in overcrowded JA QTHs! Tnx Shigeo & GL!! Just left 14-21Mc Fr 160.(267C!) Hrd 12yrs.

[] VK3CZ/ARTHUR'S REPORT (AUG-OCT) Qs WLEB/1,HT-3PA-4BT,HBK-K7LFY-8ALB,ANO-K9AQF. Hrd:N4EA,AR-Wb6PXP-7DL-K7DZ-Wap/II-VE7UZ-JA2GQO,3ONB,SVG. FB&Tnx! --(NOV_DEC-JAN)"Poor season Bt Q OH2BO 559x2 Fr His WAG,Jan14. Hrd G3ZYY Svrl times & G3ZFC Dec7. Am putting up phased Verts w/ 18HTs Fr 160 on Chimneys!! [] K7OX/GARY set/up w/FB 80' Shunt Fed, Inv L & Loop! "Happy Sked anyone needing NEV!"

[] NEW CALL K6XX Ex W2IWC,K6SSS - Nw on 160! [] W6BYB/7/John Bn QRX while Bulldozers/constructi Wk Rampant at his ENT farm QTH. On Fr ARRL/160 w/57' Inv L & 12,000' of Radials. Wkd GREAT!! 230Qs 60Mult,780OPTs. Dx:KV4FZ,ZF2,KH6 NICE John! [] W6XM/Ed Sez"160 NOT Gud This Yr. Hvnt Hrd E Coast once. Skip paths shifting. Bands loaded w/hundreds new Transceiver SSB Stns, always buckshotting & covering CW/DX/ OIL prospecting rigs QRMing 160 also. Guess "GOOD OLD DAYS of 160 gone Fr "West Coasters", (Sti Ed,NO FUN, but lets hope for 'better Times') JA2GQO/KINJI Sez: JAs studying alt FY (Now 1907-1912) Fr LORAN/free place, Bt it's big problem!! Uses Draks R4C w/high Hor Dipole, Mini loop for Rx. No room Fr BEVERAGES. K6SE's reception of JAs outstanding!! Regular "Pipeline"!! W7FS also does FB. W6,7,KH6 abt 0725Z Nw/NOV.DEC.JAN Furthest East W8JI. "New Ones" 9V1 & KM6. VFB!

[] W7BYK/BILL w/TS820&VFO,66' top loaded wire vert AND!!! 48 Radials, Sez Nw JAs "Easy" !! Also Hrd Eu w/his single wire BEV. Friend KX6DC may be on Sn. Also has 2 wire E/W BEV. FB!! G.L.

[] ZL1HY/DAVE "Last Q,Nov Wb6PXP. Lst Yr Hd Svrl UK Qs. 77/78-NIL - Hrd GD4BEG, only. To me as a DX Chaser 160 has a FASCINATION all it's own. Need Btr Ants Hr. Live Center Town. Lot only 66'x132' INCIDENTALLY, was looking Ovr Sun old Radio Mags recently, & in CQ '49 is BB's Pix w/writeup - they Gld you an 'OLD TIMER'. WHAT??? do they call you now, 30 Yrs later???"("Old Fossil" I guess!! Hi!!

South-AFRICA - South-AMERICA - Central AMERICA - GARRIBBEAN - South-ATLANTIC

GE/ Fr Dave Reddy NOW ON 160-CHEERS!! It all started Apr'75 when Dave wrote W4BRB/Gene Wld like get on 160 -Could he help?? Gene sure did!! To make a 'Long story short', his VALIANT arrived Fall '76 But plagued with Trble, MURPHY's LAWS, just became operational Dec 11. CONGRATS Patience and perseverance!! Before New Years, Q'd W8CNL,W4PZV,BRB(Gene's C/# 103!!),W5TO,USM-2DEO-6WR-N4EA-BB-Nw a 'Regular'/ Skeds w/ve every AM 0500z,1827,QSX 03/04. EU Tue/Fri 0730-0730 1810k QSX 1827/29. Tnx Gene/W4BRB (W400). W4PZV,WblASL. Fr Dave on "Regularly", as often as his personal time permits.

LULDZ/Alberto Vy active. Sept "Transpolar" tests/no results of note. Wkd JA5DQH to increase 160m distance fm 18200, to 18750km!! Q'd HT5TW & CE4AE C/#34!! Testing tower w/Guys & w/more Gnd rods & radials per W1FB. His club "GACW", Grupo Argentina de CW, 71Members wkg to improve CW activity, especially LF. Hv FB LU Radio BULL/Mag Nw. \$6.00 (No stamps/IRCs) 6 issues/Yr via LU2DFX. Only Antarctica Nw active::VP8PL,VP8OW. Newest Qs,FG4DYM/FS7,CE4AE,JA1PIG/PZ,HT8JAG. D-22 vfb! Q'd K2GNC,W6RW,K5MA,N6NT,W6DAO,K6SE,Wa9EYY,PT2CW,LU5DDZ,LU3DFX,JA1PIG/PZ. OTR LU NEWS:: 1 EF From '72-'78 wkd PY2,VP8,W1,,ZP9,OK1,KV4,G3,VP8 Antarctica,PJ9,VP2GF1,8R1,VE1,CX3,EI9,ZL3,PY1RO,CE3. 20centries Fr 5 Yrs Wk! Rig 2-807s,InvL. - LU2DFX Qrt Until Mar. - LU8DQ active w/FT101 & 3-1000z,LW W3AJS/Ed/mm VOYAGE SS SANTA ISABEL 2 Mos Sep/Oct Freighter 20,000Tons,20Knots,Prudential lines. Calm seas, good wx, 12 Passengers -- Phila,Baltimore,Dominican Repub,Neth Antillies,Columbia/Atlant, Canal Zone,Columbia/Pacific,Peru,Ecuador,Canal/Z,NY --Tried Fr HAM Lie all places. YV gave/mm, HC/HC2, KZ/KZ5CIT dockside only. All Otrs /mm. Becuz of Reg Change while on trip,ED's believed 1st legal 160/80 mm!! On 160 most evry nite. Static UNBELIEVABLE! OCT30 FB opening wkd 13 stns 160/SSB aftr weeks IMPENETRABLE QRN. Peru-delightful but tremendous HASH, dockside-no QSOs poss. Wkd 160 primarily. QRN Cut QSOs but wkd fewer stns otr bands. 220 160 Qs,many DUPs. Wkd PY1RO on 20, he sed "Now you know the QRN we're up against dwn hr!! Sri Fr those cudnt pull thru! -- My FT101E in Radio Officer W2FDF's office using spare feedthru & 160' LW in rigging tuned w/LOOPf series VC. SWR under 1.5 all bands. Many FB Hours in ship SHACK w/RO Irving. Commercial operating NOT what it used to be "Scarcely anman alive" tt remembers the Raucous SPARK!!! Strong Union. Only 8Hrs wk/Day. None in port. All else overtime. High technical skills needed to service RADARS, DF, Harbor Phone. They can copy high speed with "mill" but cant read thru my 160 QRM. I kept silent during his"watch"! I also QRM'd ships Am-Sw-Fm entertainment system - had to install LC traps Ea Band! "All in All" a most memorable/satisfying voyage!! Try it sometime! 73! de Ed/W3AJS" (His VFB QSLs available soon -Ed was oneof the original small group of 1930 era 160m boys running transatlantic tests!!) VFB ed! -- NOTE!! W3BUR planning Carribbean cruise last week April to 9Y4, Grenada/VP2G,FG7,KP4,PJ. Listen!

EXPEDITIONS

BIG NEWS!! CLIPPERTON ISLAND COMING UP!! 99.99% sure Nw!! Latter part of March!! WILL wk 160!! Mostly a FRENCH operation, but WORLD RADIO/Wa9INK/"Sig" deeply involved. Landing permits "in hand". This will be a "First-Ever" for 160!! Financial help needed!! Send Contribtions to Charles Siger, Wa9INK 2120 28th St Sacramento Calif 95818!! (BB wkd F08 1954 - NOT on 160!!) BAHAMAS/WA GRAND CAYMAN ZF1CD/Bill & ZF2AW,AZ,BA,ZY on Fr 9 Days Nov/Dec. Ovr 9000 Qs all bands inc 160! Congrats SUPER job ANDORRA-C31MN/Juan(EA8CR) May '77 Anstr vfb 160m DXp'. (Last one EA8CR/9). Great sig. Wkd W1BB Fr his C/#140!,K4YFQ,W8CNL,Wa8MOA,W8DF,W4YWX,VE3IXE,K4QMQ,VE3GPO,K1PBW,W4QCW,W8LRL before band QRT lowest rpt 449. LRL's/599!! Tax a Mc Juan! LICHENSTEIN HB/NL/Frank Mini-DXp Sep/Oct '77. QSOs W1BB,HT,UF,MX,K1PBW-W4DHZ,YWX,PZV,K4YFQ,CY,DY-Wa4SGF-W3NX,NZ-Wa2GXR/4-W9HGD-Yv4TI,PY1MAG. Hrd W9MAL Wa4LDM 59plus10!! QRN S9 to plus 10. CONGRATS/Tnx Frank!! FERNANDO de NORONHA de FY1RO/Rolf/ø Fr Jan '78 unfortunately had to be postponed becuz Rolf's Co. sent him to S Africa & Otr Places on urgent Bizz. Sri! Hopes 2 go Ltr. Recently wkd CE4AE for No. 93C!! Fb. Congrats. ANTIGUA/Chip K7VPF/VP2A, dedicated to 160, attached 100' wire to 14AVQ beam, waded out into ocean, Nov '76, put far end to a pile/stake,wkd many!! ANTIGUA (aga)-W1FB/VP2/Doug Nov 5-19 sez "Bombed out" totally on 160. Hrd many loud USA Stns - made many attempts 0200-0400z. Unable raise a soul. Ant low end fed 30' High best cud de.(Same set-up in Barbados wkd well). Otr Bands superb. Sri!! Tax. JUAN FERNANDEZ CE4ZE Nov 20-30 Hrd once by K1PBW, briefly, did not seem too interested 160.

CONTESTS... Depend mostly on sponsoring groups to report doings. However do get sum good info fm 'Yall - try USE whenever pess. Hv quite bit Nw, but short of space & must 'Clip' most of it.SORRY!! **CQ/SSB...** Cdx Cudnt Hv Bn worse, Bt patience/perseverance paid off w/sum Dx QSOs. CW4A,ZL1AA/K best Dx.N4IN/3 "Scooped" many of us w/Eu QSOs.Wa4SGF did super job at HH5TW,HR, but many dissappointed, aftr careful preparations to be "Washed-out"!K1PBW,K6SE w/many beverages had excellent QSOs! **CQ/CW...** Cdx Btr w/ G/W6 Qs by Wb6PXP,(Otrs?)& PA4HIP. K6SE wkd JD1,a "FIRST". PA4HIP 17k score! **ARRL/160...** 1st nite fair.2nd nite POOR. Band overflowing w/ W/VEs. Few "Tizzys" over DX WINDOW violations - but "Window" working pretty good. Lots W/VE QSOs. Some DX. ZE7JX 9Q,6C,4Z. **INVERTED "L" ANTENNAS** Wanted to include something abt my TESTS this summer - No space Nw - seooooo will write short "Peep-Sheet", and if anyone wants copy, let me know. Will send WHEN finished!! **FINAL THOUGHTS...** Just thinking back, been 160/DXing since '32 - 45 Yrs! Gratifying to me, sin it continues w/ just as much, if not more, interest and pleasure, as ever! Love that thrill of pulling in those incredibly weak & unexpected ones Fm "SKAM-SKATKA", or where have you!! The CHALLENGE of it all, - and especially the many 'above Average' fine fellows and friends one finds on 160!!

HAPPY DARKNESS HOURS TO YOU

73 de Stew/W1BB - & 88s de Marguerite!

Stew

Puff Holt
Here 'Tiz !!
Hu Mixed & Lately
But Condt Been "shinks"
Absolutely
Your Talk + Picture
Real wonderful
A 100% + Job
Congrats
73!
See B
↑
↑

NOV 1, 1978

W1BB --- 160 METER DX BULLETIN --- W1BB

1978/1979 No.1

DE W1BB/Stew ---- There's rumors, and even some signs, that 78/79 160m DXing season may not be as good as 77/78 -- yet, we "Dyed in the Wool" 160m "Buffs" are looking forward to 78/79 with real anticipation and "High-Hopes". Difficulties only increase the CHALLENGE and satisfaction of working DX against any and all "Odds". ---- Many of us have been working on new antennas, grounds, receiving techniques. It is so true - VERY true, that "You can't work 'em if you don't hear 'em" !! (Although, some of us have been known to TRY to!!) ---- K2GNC/Bill is really "Going to town" Nw using phased loops Rx Ant he developed this summer. -- W8LRL/Wal has tuned and checked everything for last bit of "Umph" at his super country set-up w/ 6 Beverages, Pre-Amps, seeds of radials and receivers tuned to peak performance!! -- W2EQS/W9NFC/Chas sports new 100' Tower/radials!! NLAAR has 160m 2 El beam wkg FB!! W6BYB/7/John put Dwn 102 radials!! -- K1PBW "The WINNAH"!! putting up whole new antenna installation @ super/quiet QTH, rumors Hv 'Twill be "SUPER", per usual, for Ernie!! ---- Multiple Rx Ants w/quick change relays are on increase, for as GM3YOR sez aftr trying 3 diff and all good Ant in CQ/160 Test, "Difference in reception and transmitting results was VERY NOTICEABLE". Each ANT had it's own different times of being best" (W1BB will vouch for this too!) --- K3MZY/Lee doing FB w/ BEAUTIFUL 100' Vert of own design, made of 4" irrigation Aluminum pipe!! --- Attempts being made "All along the line" to minimize noise, the greatest BUGABOO for all, (Except those lucky ones living in the wide open spaces) - by "Low Noise Antennas" (W1FB/Doug/Dec'77 QST), and various gadgets, such as sophisticated IF -(Tax K8RRH/Gee) - filters, audio filters, etc. Many of the gang thus set, are ready to nail any and all DX!! Some certainly WILL!! (Like N4EA/DON who just snagged VK9ZR/Bob/Wa8MOA on SSB and CW on Mellish Reef!! (CONGRATS !! All!)). However, as Paddy, EI9J sez, HF & OSCAR are certainly syphoning off quite a few potential 160ers -- poorer Condx, due sunspot??? discouraging others. BUT there's bound to be MUCH interesting DX. Who knows, we may be suprised with MUCH DX - Hv Bn in Past, eud B aga!! OPTIMISTIC is the word!! ---- Regarding 77/78 most say was poorer - the few say "My best season"! It WAS down a bit on 76/77 per "Baremeter" records of total diff DX Stn Wkd by W1BB, and Countries. 77/78 60 Cntries/188 DX stns --- Vs 76/77, 67C/194S -- Vs 75/76, 66C/180S. 78/79 has started poorly, to date 11C/16s, Vs 19C/33s. Speaking of Participation, in 76/77 45 active Gs were logged, BUT 77/78 only 32, a 30% drop!! RSGB and SWM Mags have noted this 160m slump also - hope it's not permanent. But there was lots of thrilling excitement!! Frinstance, that most daring/intrepid DXpedition by PY1RO/ROLF to string up a 160m ant between St Peter, and St Paul's rocks - YES, REALLY!! - to wk 24, 160m Stn, (4Ws, 20Eys) thru terrific QRN/Peer skip -(thrilled BB making it DXCC/C #144) --- AND 78/79 has started with another "Jim/Dandy", VK9ZR/MELLISH REEF w/ Bob Wa8MOA operating 160m, using W9UCW's "MINOOKA SPECIAL", to work quite a lot 160 DX. Special CHEERS for these intrepid DXpeditioners covering 160m, adding Laurels, giving out "NEW ONES", DXing the "Hard Way" !! And believe me, it is, "THE HARD WAY"!! But creates a lot of personal thrill and satisfaction of accomplishment. Tax!! ---- WELL!!!, Let's get on with the BULL!! Incidentally one has to be "Educated & Dedicated" to stick with & read this BULLETIN's "Shorthand Ham LINGO" -- Eh? BUT Hv to TRY & get everything in on only 6 pages of copy - and there's a lot to go -- w1 do my st! --- AGAIN, Tax/ALL for keeping this on PRIMED with your most interesting info!!!

WISHING you all a GRAND season of DXing on 160 -- HAPPY TIME..!

73 de Stew/W1BB -- 88s de xyl Marguerite -- b.c.n.u. on THE band!

QUIZ- QUESTION: What noted 160m DXer, is known as "THE ROCK MAPLE KING", and why??? (Top scorer)
QUIZ- QUESTION; What noted 160m DXer sez, "GREAT to hear your SMILING fist!!" (He just made DXCC!)

"GOLD SARDINIA AWARD" 160er IS/LYN/Marie, Award Mgr. - Any/all bands. QSO any IS/ Sta - 1 Pt/HF, 2 Pts/UHF, 4 Pts/HRS Club Member - same sta can B wkd agn aftr 24Hrs, or same day-diff bands. NEED Fr award: DX/15Pts, EU/20Pts. LOGS to Marie w/15 IRCs & return postage. Write Marie/complete info.

W9BRD/ROD Congrats Ur retirement aftr many Yrs faithful services editing DX Column/QST, & many for the FB Boosts always given 160m - de the 160 Gang!! Nw U Wl Hv Xtra time Fr all the many things you couldnt find time for before. A fine service rendered the HAM fraternity. Tax a "million".

W9UCW/BARRY at HK/BKX CQ/160 Test sez "Dwn Hr they dont use "MURPHY'S LAW" -- you use "O'BRIEN'S LAW" (Charlie's???) - that states "Murphy is an Optimist"!! First his MINOOKA special Vert Mtd on a 50' bamboo pole on balcony downtown San Andres, burst into flames Fr RF Burn!! Aftr calming "Locals" came Bk on w/ old dipole Bn up fr 4 yrs, was OK, BUT it came CRASHING down, ending HK/ Contest activity. (Pse keep "O'Brien's LAW" down in San Andres!!) (WIBB enjoyed wonderful visit de Barry this summer - we 'covered' a lot of items!!) (His MINOOKA SPECIAL used at MELLISH/ worked GREAT!!)

BORRY!!! HB9NL/FRANK lost all his excellent ANTs/last winters storms - a pity - hope being repaired Operated HB9NL, Lichtenstein fm Sept 30 thru Oct 15 - sez 160m results, esp DX, way down. Sri/Tax!

NORWAY ON 160!!! de LA5HE/Rag -"Fr Sum time Hv Bn asked by 160 boys get on "Top-Band" - but PTTs in Eu Hv not allowed HAMS on these Fys except Few Cntries. However when LORAN shut Dwn this Yr, went to see NTA, (La/FCC). Becuz of WRAC/79, were reluctant give "Carte Blanche" permit. But did give ONE weekend to commemorate the NRRC 50th Jubilee. Abt 25 La Stns get on 160 -- 1810-1840 CW only, most using 80m dipoles. I used top loaded Vert w/TS820. Did Vy Gud Fr Eu, Bt only DX was KLPBW. Furthest S was YU. Most active LALK,4LN,5HE,8UU. Hopefully we can get Otr Special events permits, and full privileges after '79" -- VFB rpt Rag OM - congrats your excellent efforts on behalf of 160m DX!!

K2GNC/BILL Nw/MAR'78/86C w/ZE7JX,ZS6DW,PY/FN! CONGRATS!! Only 14 to go!! GL. THANKS TO,-he sez,- last summers improvements in TX/RX Ants. Nw Has 85' Top Hat Loaded Tower w/muchos radials, grounded at ends. For RXing Bn experimenting with low noise ants, two Beverages, Phased Loops. Sez, "this season my 160DXlog book looked more like 20 meters!! Bn Gud Season Hr. " Patience/Hard Wk pays off!!

RECOMMENDED READING G3XAP/Phil's series of articles: ANTENNAS - THE WEAK LINK", started March '78 in G/SHORT WAVE MAG Page 28. BB Thrilled Nw w/5 installments. Seems to be the most complete and helpful, general antenna treatise yet presented. CONGRATS Phil and Tax!!

W9ZVE/TOM Nw has 50/47 towards WAS/Mobile. Needs only NEVADA, MAINE, HAWAII. Can anyone help?? (tried Gve Hm Maine this summer, but condx didnt cooperate!) Last winter wkd EISH while Mobile/8. PA/ HIP Hrd Hm also but Tom cudnt Hr PA/. Write Him 1617 W Highland, Chgo, Ill, 60660 - Tom Berry.

W4BRB/W400/GENE & Marese VISITED: WIBB&xyl Vy privileged visit w/Cordial Hosts, their VFB QTH, West Palm Beach & w/assembled Otrs W4PZV/Hank, expert on 160m line noise detection, K4KQ/Chuck, Wb4NXR/"Clarabelle" and on, W4YN/Tracy, Wb4TIN/Glenn, W4SS (W4EPO)/Mannie, W4RTX/Norm, Wd4GSF/Lew, Wa4JM/Jo for "Super" afternoon/evening of 160 & otherwise "HAM CHATTER". Special note - inspection Gene's vft 66' vert 160ant on Deck Ovr Water which puts out such FB Sig!! Netting Hm DXCC/160!! Gene, a Vy "Gung-He" Contest/DX Opr ALL bands, as his record shows, pkes 100' Crank up tower - home brew - w/ beams/LF Dipoles. Also visited his "SUCCESS STORY", his MARINE Electronics Co. which he is selling/retiring fm this Yr. CONGRATS!! Regarding "TOP BAND DX ASS'N" which Gene organized, and which did such Gud Job Getting New DXCC Cntries on air - the balance of \$22.00 in Treasury was donated to the CLIPPERTON DXpedition on behalf of their recent 160m operation, and benefited many of us. "SALUDOS" to a great guy, and most FB Dixer on any band! Tax Gene for a memorable visit. (On WIBB's 74th Birthd)

G3FXB/"A1" (& Maude) Great "Contester", 160/active 77/78. visited W1HX early summer, W1PL/W1BB 160ers, and outstanding DXCCers W1HX/Norm, W1FH/Charlie, W1HZ.Howie real pleased w/evenings eyeballing. Then returned later summer, visited W1HZ, took side/trip to W1BB for another FB "Eyeball" session. He is hoping for more 160m activity this season - look Fr him - contests especially!! GL "A1" Tax!!

W9NFC (W2EQS)/Charlie, SPECIAL CONGRATS!!! Making DXCC/160 MAY 19 w/VY/CA #100 - the furthest West DXCC issued, culminating many Yrs Patient, Perseverant Wk using 30' high dipole and "Beat-Up" Valiant 75A4. Bn stuck 96/96, long time - but "Banner" MAR '78 got PY/MAG, VR4DX, FO4XA making 99. "Then went most NUTS trying for ZS6DW or ZS4PB Bt Nil. Then!! Harley, VE1MX @VY/CA came thru S9 plus QRN, to clinch the deal! "I celebrated w/ a CUPPA-COFFEE - had I Bn ROLF it woulda Bn Champagne! Nevertheless the relaxation/thrill was complete - and further Celebrated buying myself a new T4XB/R4B". If anyone has, Chas has, made it "The Hard Way", w/peor Ants, moving QTHs and an impossible Job Schedule leaving little DXing time, Chas thanks Wa8MOA/Bob for "Alerting" service, helping to erect new 100' to replace the dipole, and now hopesto keep climbing. Just got VK9ZR & sez "On to 200"! CONGRATS!!!

1978 OE 160 METER CW TEST (Via OE1KU/Willy) - Starts Sat Nov 18 1900z - Ends SUN NOV 19 0600Z. DX calls "CQ OE" -- OEs Call "CQ TEST". Msg is RST plus QSO # starting 001. 1 Pt/QSO, except for OE1XMA, 3XMS, 5XAM/10 Pts. Mult: 2 Pts every OE1-9, 1 Pt evry prefix. Score is Pts x Mult. REPORTS in by Dec15 % OE5REB. OEs mostly 1823-38, 1854-73, and 1879-1900 G.L.!!

VE1CD/BILL is home Fm hospital, making recuperating progress Fm Brain Tumor operation, and hopefully his outstanding signal and "Smiling Fist" will be on 160 agn - SOON we hope & pray. The whole Gang, Bill, sends 73 and wishes for a speedy recovery!!! We are so SORRY you are having to go thru all this!! EIQJ/PADDY sez: "77/78 poorest season ever Hd. Gud HF Cndx syphoning off 60 activity. At best activity only SAT/SUN AMs. Fellers cum on, hear Nil/go HF. Pity NO tra equaterials this Yr/ 73/GL to Gang & hope 78/79 GOOD!!" Tax on. EP2IA/ROGER (FOC) (EX-G3SXW) Keen 160er w/ put IRAN on 160m DX Map 78/79, following EP2BK, 2BQ, 2SV (9D5A) w/ Ten-tee Triton IV, Transverter - his sunrise times arnd 0200-0300 Fr W/VEs. Wl make skeds, bt has weird THU, THU/FRI weekend! QRX Fr Eu, JA, etc also. Tnx & GL Reg.!! W3FM (EX-HUS)/HARRY needs only KL7 Fr "WAS" - anyone Help?? Also has 51c/DXCC. GL!! de W4YE/Buddy sez "Gentleman's Band" continues such - ne finer group on any HAM band, My Opinion! ALL most helpful, courteous & enjoy CHALLENGE of 20P BAND! fb/tax!! K1PBW/Ernie has his DXCC/160 Certificate and total C of 120 Nw with LA8UU/LA5HE Feb'78 QSO. Great!! OK2PGU/ROSTI w/VP2MUZ & LA now has 50C/44. Rec'd WAC Certificate VE3BMV/YURI visited W4BRB/Gene in Fla - "Real pleasure meet the gentleman & DXer. 160ers ARE a GREAT Bunch!!" Tax/Yuri. W9PNE/Brice 77/78 Cold Wx limited activities - hit CQ/160 & ARRL 160 Test. Moving shack to warmer QTH!! GL/Brice!! W3RF/GUY w/ 170' Inv L Wkd FS7, GD4, G3 for a "starter" - FB! W5SUS/John up tp 78C w/VK9ZR. Latest FO, 9Y4, HH, PZ, C5A, ZS, CK9. CONGRATS! (May move to Fla!) D4CBS/Angelo-Cape Verde Islands Getting Dentron Transverter, gift of W8CNL/Ray & Expects QRV/160 78/79 - Cheers!! (Tnx Wa8MOA) HA5-142/swl JANOS reports LA8UU & LA5X Hrd. Also big RTTY "BUZZER" QRM Occasionally, in WINDOW & Btwn 1800-07. (Not good) - his detailed & VFB logs most excellent - Tnx JANOS - keep up the gud Wk! W9MAL/Brad CONGRATS!! Nw 88C towards DXCC, sez "New ones coming hard Nw!" - vfb/GL. N4SF (EX K4OMC)/GARY CONGRATS!! w/VY/CA MAY'78 Nw 88C/84 using 105' Vert. Hopes Fr bigger/better ant 78/79!! VFB b.c.n.u. Gary. W1HGT/RALPH still following 160 & Edits "DXers MAG" 160/page. But between QRL/Job, & Antenna problems, doesnt hv much 160 Operating - spending some time on HF tee. Miss You Ralph!! JERSEY ISLAND/DK6AJ/"Jee" w/friend GJ5CEE/X DXpeditioned last Oct w/50Qso. Ant LW Only 15' high. Sez "Club" there, GJ3DVC getting on 160 w/10w. GJ3YHU also active. Tax! WOW!"WHAT A NITE" K4ZK/ARN wkd KL7GIH/0712, VR4DX/0748, KL7HFU/0755, ZL4OY/0845 Mar 13 '77!' AINT DAT SUMPIN!!! Fb K4CIA/Bill ANOTHER DXCC/160!! VR4DX his #100 made it. Got Cert No.11. Patience/perseverance, expertise, pays off!! CONGRATS Bill. 5Z4PD.WOLFGANG Qrv/1995 QSX/LP Hearing Ws, EU, JA. Here's a "New One" - (Tax N4EA!) W4LRFM/VP9/BILL GREAT time, CQ/160. wkd all states except KH6, KL7, OH, ORE & 19C. VFB!! His friend W4EV/VP9 picked up W7TO to make it 6Band WAS - was HE happy!! Am an INV "L" use tee" Fb. G3CWI/Rich LA, VP2M, HK, VK6, PJ8, HI8, ZS4, up to 56C. Especially thrilled w/VK6/559, My 579!! TNX to BILL/VE1CD who gave me QRZ fr HK, BKX. G3MYI also wkd ZS4PB "FIRST" Eu/ZS using inverted "L", find EXCELLENT. VFB/RICH Congrats. N4EA/DON Vy active, Nw up to 80C w/VK9ZR. Keep up the good work Don, & Tnx great helpfulness!! Wb5REJ/GARY New QTH w/top loaded shunt fed tower & full Wve Delta Loop at 65'. Wkd 41S. 19C, 4Cont since Jan'78. Missed FO8, C5, ZC. Full Wve Beverage ON GROUND wks Gud. Trying UNDERGROUND antennas, with mixed results! FB & gl Gary Wb2JYM/TOM is NOW K3TW Qth D.C. w/vfb ANT farm 10-160. CONGRATS!! G3RPB/KEITH Has nicely recovered fm '76 motorcycle accident. CONGRATS on acquiring xyl/Helena '76 and "Harmonic" FLORNA. This Jan operated CQ/WW/160 fm/A qth w/dipole at 190'. New ones: IS, F, YU. Hopes Fr Btr Home QTH see W6BYB/7/John/Montana Wkd PY, MAG/Rolf MAR & FO, XA & G3SZY. Nw has 34C!!! Also 160/WAS. Looking Fwd to 78/79. Put Down 102 radials ea 100' underground. sum thru HARD PAN - WOW!! what digging!!! also sports EXTRA CLASS Lic Nw!! CONGRATS/FB John. Wb6ETH/7 "A1" 13 Yrs old, HAM 1 Yr, General, w/code speed 35wpm, Nw gg Fr EXTRA - WOW!! Vy interested 160, has Inv L, converted Homebrew Rx, will build Tx if can find plans for small one - can you help?? - anxious to get going - listen Fr Him. WELCOME to 160 A1!! W1AXA/RALPH got his EA8CR QSL to make 160 WAC "Official". OE, KE, VP9BO, HK, BKX, VK5BC, W1AE, EA8CR. CONGRATS!!! W4BSB/HUGH "My 78/89 "Challenge" is to wk ASIA & AFRICA for WAC w/my RANGER II, R4B & 56' High Inv "L" - VFB/GL Hugh. W1BVL/Dick On 1.8Mhz wkd PYIR, F8DB, PYIDMQ and on 178Kc wkd K2ANR rst 339/145 Miles REAL QRP/LF/DX!! WELCOME TO 160!! W1BET/CARL (Evand Radio)/CONCORD NH is "fixin" to make real "Imprint" on 160! w/275' Window at 90', "Super ground system w/towers, guy anchors, 1/4 Wve Radials, 400' Drilled Well, & More - plus 550' beverage!! Hv U seen Carl's antenna farm?? WOW!! GL Carl/benu. REPORTED ON GOOD AUTHORITY tt UAs expected on 160 by JAN'79 - maybe sooner - de W8LRL/Tnx!! Hope so!! WALGKE/GARY 160er recovering fm bad accident, w/ B on 160 Sm w/NG-190 & Viking Tx aftr long time QRX. Welcome Bk Gary. We're ALL happy eventual 100% Recovery expected!! GL & B.C.N.U. on 160. OK1MGW/MARTIN active 160er w/ B QRT 1 Yr Fr army duty. Recently SPLEYG visited Him, operated his rig, on 160, as OK8CAA - the FIRST "Foreign Tourist" to operate in OK/land. Wkd only Gs & OKs. his 160 score stands 32C/30 & 6/6 Cont. GL Martin, c.u. one Yr!! K4RW/JOHN Needs only ALASKA, HAWAII, DEL, RI to complete WAS!! Who 'en Help?? GL N4JJ (W4LDM)/JACK Nw 97C!! GREAT!! (Tnx Wa8MOA -- MOA has 40C Fr Gud Statt) W1DMD/JOHN Formerly VY active, Nw Vy QRL AWA forming Radio Clubs, Teaching, family, Masonic, Phd Study, Son's UNION, Veterans, etc - and a "Little" 160. Wl B Bk FULL GEAR sum day!!

SAD NEWS - ZE7JX/PETER became "Silent Key" Abt 30MAR Fm Hepatitis. BB's Ltr Fm Him 16MAR sed, "160 seems livening up Agn. Ydy Wkd K2GNC, W5YU, Wb4SJQ, N5DX, K4RU, K1PBW - (Probably Peter's last QSOs). Hv no Trble w/ W-VE stns, But DXpeditions & Otr Cntries just too weak to hear thru static rear, except G3SZA, HB9RM, PA/HP & few Otrs. Hv Wkd 25C/22 DXCC. On JA skeds/no luck yet! Will give S9 a try 78/79" Peter will be remembered for his exceptionally FB work, developing shortened Vert w/Radials, getting out FB sig w/QRP & really putting RHODESIA on the DX Map. His last months though were very disturbed with the political troubles there. Indeed SAD NEWS, and we will all miss this fine fellow ham, greatly!! Already this fall, things dont seem right without ZE7JX coming thru!!

PY1RO/ROLF "CLOSER & CLOSER" !! Now, w/VY/CA has 98C/97!! Latest: VY/CA, CE/AE, CE/CZ, HI8, JA, C5AAD. Rolf very close to being the "FIRST" Ham outside of W/VE, making it to DXCC!!! Sez DX at PY peer last spring, DX sigs most NIL, then muchos lightning storms and QRN, so to fill in, has taken up sum 6 meter wk. Sez "Intriguing band, much like 160, requiring patience/perseverance - Hv wkd W5s" Enjoyed his 3 wks on Fernando de Noronha PY/FN. Wkd all bands 8K Total. Net many 160 takers, but sum gud openings w/S9 Eu & Na Stns. QSL Mgr Wa3HUP. STILL needs S-Dak for WAS - who can help??? See herein DXPEDITIONS - his intrepid asault on StPeter/StPaul rocks for resounding "FIRST/EVER 160

SAN FELIX/CEZ Expected B on early this 78/79 season!. VFB (Tax W8LRL/Wal)

LUIDZ/Alberto Expects Go VP8AI SOUTH SHETLANDS w/FT10LE this 78/79 & QRV/160. CHEERS!! (Tax W1PL)

LU3ZY/SOUTH SANDWICH ISL Going Dwn to New Navak base/en 160 Permanently. EXCELLENT!! (Tax W1PL)

PT2CW/Mauricio Nw 26C w/PY/RO. Has new QTH/ANT & QRV/160 altho Vy QRL Govt. Telecomm. Ctr. BCNU!

WEST COAST -- TRANSPACIFIC -- OCEANIA -- JAPAN -- ASIA

VR4DX/WES/SOLOMONS:: 77/78 wkd JA, ZL, ZL1/c, VK, P29, KM6, KG6, PALMYRA, KH6, VE, W/K & Best DX VP2DD!! Sez "Many times Cld "BK" on a W/SSB QSO, using CW, and Hrd them complain of 'CW-QRM' " Was used 48' steel tower w/8' Al. pole on top & Hy/Gain TH3JR, guyed at 26' & 48'. Used guys Fr top leading plus 75' Horiz wire, shunt fed @ 45' elev. 30 Radials. Kenwood TS8205. Beside ocean w/ salt water Ground. Covered 1030-1130Z, and 1804-09 mostly. Wes Bn Bk Home G/land this summer, but Bk agn and expects to be QRV 160 agn soon as can get ready. However new at a new QTH and must start all over again on antennas. His new call will be H44DX CONGRATS on on a VFB Job!! GL and b.c.n.u. again!!

LORAN "A" TERMINATION de W7FS/Keith:: Scheduled/Pacific Area, July 1 1978. REST of world July 1979 Keith wrote FCC requesting earlier termination. USCG replied saying impossible due requirement of Loran users to first convert to LORAN "C", which takes abt 2 yrs "Overlap". Good try Keith. Tax inf

WA3ONB/YASUO who was awarded the JA/W1BB/160Cup for 160DXcellence, has also Bn awarded the JA "77ACE of ACES", by JA/CQ HAM RADIO, for his accomplishments/160m. QRV every night Nov thru Jan Wkd 9V1SP, KM6FC, ZC4. 7-OKs, 4-Gs, 8-OHs, KG6, JD1, VR4, DU, 5KH6s, 4-VKs, 3OZLs, VE, Wa-5, 6, 7, 8 -- 80Stns, 200QSBs HrdLUBDQ, E18H, EP2SV, F8! GOAL NOW is DXCC!! Has, 49C/49 Nw. Sez DEC Best Dx Month. Eu peaks his suar Planning new Linear. Has very neat Stn, good 160 QTH. MANY CONGRATS Yasuo, and GL with DXCC!!

JA2G00/KINJI Jan 11 WSO PY1RO 0717z. Hrd W1BB S3 Mar 12 439FRST, also W8LRL S9, K1PBW/S3. CQ/160 test 3-W5s, 13-W6s, 8-W7s, K/ KH6, DU1, VK6, ZL3, KG6, JA84EU/JD1 Marcus. But no new ones. JA's 1816kc "Beacon" has moved out, so maybe chance Nw Fr JAs near 1800. Happy abt LORAN "Phase/out". VFB Kinji

K7NN/DON Made WAS/160 w/W1FX/R.I. Dec 10 achieving a 23Yr GOAL!! , that of 7 Band WAS!!!! Talk Abt Parience/Perseverance!! CONGRATS!! Sez CQ/160 test FB Opening to JA, Jan28. Wkd 10 JA Stns

W6BYB/7/JOHN:: Bk in service aftr Moving. 77/78 got "Snebound" but made 27,280 Pts CQ/160 Test & 44,000Pts CQ/CW test!! Guess everything get up and Wkg OK!! 4 Mi out of town, Noise level S1. Uses Inv L w/ 120 radials ea 100'. Almost has 5BDXCC Nw!! CONGRATS/FB Jehn! K6SE/Earl Got a real RARE one 77/78. ZK1DR "FIRST EVER and ONLY" 160!!! Also KM6FC. And started 78/79 with VK8ZR & Acted as "MC" for him. His Ants in the desert wkg FB with 4 Beverages for RXiah, and has thoughts on further improvements. GOSH how far can one "improve" ?? FB & GL Earl!! QRP/WOW!!! HEAR THIS NOW!! W2KFG/Jack QSO'd VK3IM/TIM abt 1030Z Mar 10, using 14 watts & get RST 579 Rpt!! Can you imagine that??!!! CONGRATS!! W7BYK/Bill FEB Wkd VP2MUZ, PY/FN. Has WAS/43s, DXCC/15C, WAG/6e. FB esp as DX Cums Hrd in W7!! KL7GCH/CASEY Sez "Another fantastic winter Hr w/45F Temp days most Evry Da. In 20Fs nites. But Hd Big wind stern 80mph w/snow, 2 Days!! But cant get out on 160!! Hrd LUIDZ 229/579 QRL Ws&(s -HK, BKX R5 - ZS4PW barely. Wkd 5 JAs one AM. But 160 Bn "Washout" most KL7s:: AG, FHV, GIH, GKY, RW Nw on 160. Tax Casey, GL and Hv Gud 78/79er!! KL7HFV/BYRON Active last spring. Wkd quite few W/VEs. using 130' wire, 32Ft High/ Planning Btr set-up 78/79. Usually on 0800z aftr Wk. VFB By bezuz many need KL7!! Tax/GL. W6AM/6 JOHN DOREMUS Long time 160er now wa back, (Started w/W1TX/Roy & BB) this season wkd AFRICA to complete his WAS and is moving, with his five (5) 100' Towers & all, to new FB Hilltop W6 WTH. FB/CONGRATS/and We'll B HEARING you Jehn!!

W6XM/Ed Trying interest HK3BOG in 160! Ed's Son lives hear HK3. Ed himself also trying Fr a reciprocal license. Has 160m Xtal Cont. Converter that feeds into 28Mc, for sale, \$20.00 - runs on 9v Battery. Write him if interested. De Mariner, 528 Colina St, La Jolla Ca 92037 - GL/Ed!!

W6JUT/Ernie Edwards, former Bostonian, Pt. LOMA W1 B QRV/160 78/79 using DISC COME Ant - shud Hv Outstanding Sig!! (Txn W6XM) KH6BZF(Bloomin Zimmer Flipper) doing FB propagation Wk. Hopes to "sample" 160 78/79! BCNU!! VK9ZM/WILLIS Isl Grinding Xtals/Expects 160 78/79!! (Txn Wa8MOA)

K0ZK/ARNIE: Moved to BUENA VISTA Colo. W1 start w/ one 110' vert. 2nd one Ltr, making phased pa 77/78 wkd ZL, KL, VR4, KH6. GREAT plans Arnie!! GL.

DXPEDITIONS

C5ABC/GAMBIA vacation DXp by CARL/Wb4ZNH -(Ex KS6/Wb4ZNH & 5W1VC) did a SUPERB job, spite of "Murphy's LAW", poor Condx, Low Line V, QRN! Giving many a "New-One". Congrats Carl/Martha & TNX!!

C5ABC/J5 "NEW ONE" COMING UP - GUINEA BISSAU!! Wb4ZNH/Carl w/xyl Martha C6AAF/J5 and C5ABK/J5 their C5 host during NOV/78. Carl is noted Fr his successful DXps, especially 160!! Viz C5ABC, KS6, 5WBC etc, W1 use DENTRON Equip/NUFF sed!! GL/Carl/Tnx. Is trying get TJ2P on 160 - tt'll B nice one!

VY0CA/HARLEY (VelMX) the "160effort" w/sloping dipole Fm Lighthouse top, using DRAKE"Twins" did a most excellent job giving many their "New One" including W1BB's #143. BB "Estimates" about 75/100 QSOs and that's GOOD fr 160 in the summer QRN & Poor skip! Best DX PY1RO, his #97 and GD4BEG. VFB!!

VP2G/KEN K2FJ (E-VO2EEG DX VAN E PJ8DX (USA 2tc) "DXPEDITIONING WITH AN ALUMINUM LADDER" on GIBRALTA
B2G/Feb27/Mar4. Wkd 2-W1,3-W2,1-W3,7W4s,2W5s,3W8s & PA0,GD4,3-Gs thru bad QRN! 1827 QSOs ALL bands Inc 8 via OSCAR! 76C,50S. Sez "Tosupport 160 In V 'Borrowed' long aluminum ladder At my Hotel, the ROCK HOTEL, west side of "THE ROCK" - pushed it part way up outside on steep fire escape to 5th Floor Unable get it all way to roof via fire escape, (too scary), brought ladder into 5th Flr, THEN THRU HALLS!!, to stairway up to roof. Getting it up into stairway, had to get maid to open up adjacent room so could swing 20' ladder around corner in hall. YIKES!! FUN!!!! At TOP of stairway, couldnt swing ladder out the door, so had to push it thru 8" transome window, then swing it. Finally!! on roof, lashed it to chimney - "Presto" 20' 160 Mast!! One leg of V to roof, otr dangling ovr edge & Dwn to sum bushes. Anything Fr Gud Ole 160!! WHAT an effort - but worth it" WOW!! Hope 'yall got his most EXCELLENT QSL - Congrats Ken on "another one" - well done "Mr Ladder Man" -- WHERE NEXT???

CLEPPERTON FOCCA CONGRATS!! to this intrepid group, putting a resounding "FIRST EVER" on 160! In spite of poor Cndx. Made "200 or so" 160/QSOs using KLM Vert w/10 Radials-Atlas 350XL, MLA2500. Don Bc rom N6IC & HoppyW6SO operators/160 did excellent Job. Sig/Wa9INK lent a very big hand in boosting org. izing activities. Tnx ALL - especially All the vfb "F" boys who made it all possible!!

PY1RO/ROLF - St Peter/St Paul April, despite difficulties got on 160, w/antenna strung between St Peter and St Paul ROCKS, wkg Eu easily, but only W8LRL,W4BRB,K1PBW,W1BB in USA. Hrd K2GNC,N4EA. Had TS820. Intended Linear but Tbls & Nil. You MUST see the slides and movies some day!! a"FIRST/EVER"!

MELLISH REEF - VK9ZR organized by VK2BJL/Harry assisted by Bob/Wa8MOA especially on 80/160!! - JA1KSO Opr also. Using W9UCW's "MINOOKA Special" Ant & ML2500!! (Bob sed re ML2500 "If no USA QSOs 'Taint My Fault!!"), (Unfortunately Gen Quit Afrt 1st Morning so "Barefoot"TS820 Afrt That !!) Full rpt not rec'd, Bt knowm QSOs,N4EA SSB&CW!,W8LRL,W9NFC(2EQS),W5SUS, 6,7, many Oceanians. Sigs"almost but not quite" QSOable in W1 (Tears) but Hrd & Cld in W2,W3. Cdx not too Gud. Very hazardous landing conditions. CONGRATS this intrepid group!! Cost of operation tremendous -\$6000 -\$8000 so any help the gang can give would be appreciated. A "FIRST/EVER" 160, and 2nd time any operation atvll Fm Th

SERRANA BANK/HK0 During Barry/W9UCW's Jul visit W/W1BB he unveiled plans for '79JAN, especially 160 meter DXpedition including Wa9EEY/Greg, K9PAW/Geo,K1PBW/Ernie,HK0BKK/Franisco. With this FB crew of 160m DXpertise, Barry's "MINOOKA SPECIAL", this should be "THE BEST EVER" !! For Sure!! Island is barren except Fr Birds/Crabs & All living/operating w1 B Fm Tents!! A Kingman Reef type situation!

HB0NL/FRANK & CO -LICHTENSTEIN DXp. Sep30-Oct15,ALL BANDS,Inc 160 - Bn Plagued w/ poor 160 Condx. Vy few DX QSOs, if any! Awaiting Rpt. Tnx for the 160m Coverage FRANK om.

OJ0MA/KEE ERICKSSON MARKET REEF:: Sez their operation 7 1/2 Days arnd Aug 8th netted 9 Vntries on 160 DJ,EI G,GI,OH, OH0,OJ0,OK -- 8CW,4SSB - 71 Qsos w/25w & Dipole 30' High. (Total ALL bands.9300Q, 140C.'Hd Trble w/Linear & Gen failures. Congrats Kee, a valiant try under very poor condx Tnx/Rpt.

GENERAL

W1BB's (Stew & Marguerite) "SUPER DELIGHTFUL" 6000 Mile Q.E. II CRUISE!! On shipboard, w/160m Rx Hrd Many Ws, some Fm Within 100 Mi of Clipperton as ship passed.(No TXing allowed). Thru Kind in duction by G3JMJ/Don, who was IMRC project Engr Fr original Complete QE II Radio installation, met Ch Op Alan W Holmes, visited "Shack", also met Phil Williams G3YPQ specializing serv/Maint, Ian Hamilton Opr & enjoyed inspecting most EXCELLENT equipment/facilities. Of special note, SADLY!!, hand & BUG keys were all up on the high shelf - NOT on operating Desk!! Today 99% of work is RTTY or phone via 3 Satellites, 24,000 Miles up, giving super-reliable communications. Navigation - extremely accurate/reliable also by special satellites. LORAN used only as backup Nw. Passage thru canal especially thrilling. QE II a British National "INSTUTION" all Gs may well be proud of!!!!

VI

In PORTS - phoned/talked w/Hugh Casey, WA6AUD, WCDX Bull -- KZ5DE/Dave, YV5CKR/Helena. Tours time in port did not permit eyeballs - Sri! In Fla, visited W4BRB/Gene & xyl Marese & assembled Gang THIS BULLETIN is not intended to be a "Hot-Dope" POOP/sheet, of what's ON, and/or going to be ON, although intends, and does have SOME of this - but it is impossible for W1BB to "Keep-Up" with it!! Suggest you subscribe to Hugh's "WEST COAST DX BULL." \$17.50 77 Coleman Dr, San Rafael Ca 94 -- or, GUS's "DXers MAG" \$14.00 Drawer DX, Cordova, SC, 29039 Regular radio MAGS quite helpful too!!

SUNRISE/SUNSET CHARTS ETC!! In addition to the VFB!! "Sunrise/Sunset" CHARTS, available for abt \$2.00/set, - International Radio Club of America has many other fine "Reports" of various matters pertaining to B.C. DXing which are also quite applicable to 160m work. Beverage antenna are covered in two of them. If you want a complete listing of reprints available, etc, write IRCA Att: Phil Bytheway 6635 57th N.E. Seattle Washington 98115. Think you'll like them, SR/SS Charts especially 160 METER DXCC "TOTEM POLE" Thanks to Don Search W3AZD Mgr/DXCC/ARRL, herewith is the listing of certificates issued to date: #1/W1BB 11/'76, #2/W1HT(W1HGT) 11/'76, #3/W8LRL 11/2/'76 #3/KV4FZ 11/3/'76. (YES that's right - two #3s). (#4 None issued) #5/K1PBW 2/'77, #6/W4BRB 2/'77 #7/W2QD 3/'77 #8/W2DEO 3/'77 #9/W4QCW 12/'77 #10/W4YWX 1/'78 #11/K4CIA 5/'78 and #12/W9NFC 7/'78

SUNRISE OCEANIA DX Etc OBSERVATIONS by W1BB in MAINE There is a period after sun has been up, say, 5, 10 or 15 Minutes that VK/ZL signals will peak BUT the Ws Hv dropped. VKs/ZLs will be 569/579, at that time, but hear Ws after that only weakly or not at all. We Ws can call our heads off to no avail!! Then, shortly the VKs ZLs take a nose dive OUT also. Interesting!! Anyone "Check" this??

INCIDENTALLY!! CONCERNING "Early Morning", "Sunrise" DXing etc Most of this DX are using frequency 1800-1807 Kcs nowadays * JUST where we W/VEs also work. This makes for a LOT of QRM!! PAST years a plan was worked out - sort of a "Gentlemen's Agreement", in order NOT to QRM DX, and each other, that during DXing times there, SUNRISE especially, W/VEs would NOT "RagChew" between 1800-1807, but would QSY up to 1808 or above, or join in on the DXing. Rag/Chewing "On top of" rare and weak DX by some, is quite "Ruff" on the DXers, and seems unnecessary when there is a lot of space up/ban. It is quite easy to answer a call in the DX area by a "Local" by saying "Up 08Kc" etc and QSYing. ALSO another "Wrinkle" developed and used quite successfully, so we do not QRM each other with our RANDOM CQing, was to confine our CQs to the first 2½ minutes of each 5 minute period, then AWAY of us, with a nice quiet band, listen the other 2½ minutes for DX. Of course, when the DX appears and QSOs begin, this can not be done exactly. But "Rag-Chewers" could still QSY off the DX portion, and we others "RESTRAIN" our CQing much as possible and/or move FY off, or AWAY from, the DX coming thru, and wait our turn at trying for him when current QSO finished. This "System" seemed to work quite well in the past, and should help NOW also, especially, since there are more of us, w/more QRM.

HAVING NOISY RECEPTION TROUBLES??? Try this one! String out 130 to 200 Ft or so, random length of plastic covered wire, #14 thru #22 ok - or BARE, if you insulate it from supports, - 3 to 5' above Grnd on fence, bushes, trees, or "what have you" -- can go straight, turn corners, zig/zag, loop it Etc - altho the further away from the RX it goes the better. Just connect one end to your RX, either direct, or preferably thru small Random Wire Ant Coupler, like SST ELECTRONICS T-1 frinstance, try different locations also, You'd be suprised how effective this simple Rx antenna is often. (But Not always). Call it "THE RESTRICTED SPACE QUICKIE BEVERAGE", or whatever, it works suprisingly well cutting QRM, Noise, attenuating too strong signals, overloading, cross modulation etc. Sigs are much weaker, but clearer. Could also try pre-amp. Have used several of these. They help!!! Sometimes a lot!! Sometimes DX signals are stronger on them!! Lots of fun to have/use/play with.

MUCH EXCITEMENT/ANTICIPATION!! DESCHEO ISLAND/Caribbean Near KV4 Brand New Country!!! W4DX, Bob Denniston with KV4KV, there weekend Oct 13-17 working ALL bands. Tried 160, but handicapped because license permits daytime operation only. (Bird Sanctuary believed reason) S00000000... Bob tried Sunset and Sunrise times. Worked KV4FZ & got 339 rpt. No other QSOs known, except possible N4JJ. Sigs Vy weak all bands, some believe battery power used. On 160m ANT & Pwr problems would magnify problem. As Gene/W4BRB sed, with only a 339 to KV4, which is only a "Handshake Away" Fm Desecheo, it might be a problem at sunrise/sunset times only, getting out ANYWHERE else!! Bob's "Story" on the "FIRST/EVER" operation there will be MOST interesting. Many QRXing on 160 for QSO but "Nil" (At this "press" time). ANYWAY, "Cheer-Up" - there'll surely be more DXpeditions to BESECHEO!!!

POWER LINE NOISE EPIDEMIC ON 160 Believe Laci/W1PL may have "Hit the nail on the head" when he recently said, after having severe troubles himself with power line noise, that the problem is, all the ALUMINUM WIRE and CABLES beginning to be used. Aluminum corrodes quickly, forming an Aluminum OXIDE, which is a perfect RECTIFIER - especially under high voltages - then "WHAMO"!! Plenty of Noise!!! Only solution probably, replacing the Aluminum with COPPER. BUT!! What are chances of ever getting this accomplished??? Power COs do have a special "Grease" for joints to minimize this. Any further ideas or comments on this gang??

AGAIN!! 73/and have a HAPPY 78/79 on 160/TOP BAND!!

How

March 31 1979

PYLRO/Rolf:

W I B B
Stewart S. Perry
36 Pleasant Street
Winthrop, Massachusetts

HERE 'TIZ' -- your copy!!

YOU been "conspicuous" by your absence!!

HOPE you are AOK, but sorry if for some reason cant find time for 160

THOUGHT maybe you would get No.100 working KP4AM/D Desecheo - maybe you did??

LOOKING forward to your New England visit - cant remember just when it was to be - but soon now I hope.

ANYWAY "All the Best" from myself and Mgte!!

APR 1. 1979

W1BB ---*160 METER DX BULLETIN --- W1BB ~~73 de Wew~~ 1978/1979 No.2

de W1BB/Stew ---- Generally speaking, this has been a fairly poor 160m DXing season. Sort of expected, considering the SUNSPOTS. This om has been thru a few CYCLES since 1932, and recognizes these Condx! ----- Nevertheless, a lot of good DX has been worked, hammered out on the anvil of patience, perseverance, expertise, hard work, "Insomnia" and luck!! ---- PYLRO/Rolf, completed a "First/Ever" DX/"WAS", also to 99/99 DXCC w/JA3AHQ & KP4FW/VP2, latest! -- N4EA/Don wkd 13 "NEW ONES & is Nw 93C!! -- K1PBW/Ernie & W8LRL/Wal both wkd abt 13 New Ones apiece, to abt 128w/124c!! -- PA6HIP Nw 93C -- G3SZA very high (No Figs) -- K1PBW completed "WAC" w/ VE3BWK/4U Golan Heights, 033C Mar4. WOW!!(Congrats!) -- W5SUS/John got KG6JIH Fr #83 -- W1BB wkd KP4AM/D, Desecheo (N4EA/Op!) for 145w/144c -- Ctrs Hv snagged "Rare-ones" Nw and Then/ "Believe it or not", Eu Dx, (latest DJ8WL & EI8H) wkd fm bottom of a 1500' deep Arizonan Canyon, practically an underground QTH, by W7TB!!! (see W/Coast Sect) -- W4PZV/Hank w/ "Underwater-Beverage" fr RXing, Bn doing real well!! -- ZS6DW/Bil B sigs on 1826, wkd K1PBW regularly every day fr several wks @ his sunrise, plus many W/Ve, Otrs! --One cant "Predict" 160 Dx - doesnt seem, generally speaking, to go by Solar Flux #s, A or K index, etc, Vy much at all - only way to do, is to cover band constantly! Boils down to, those with most patience, perseverance, expertise, "Hanging in there", - especially those "Super" stations, can "Scrape the bottom of the barrell" to pick up DX - even under poorest conditions!! ----- Most NOTEWORTHY, no doubt about 78/79, is the advent of an entirely new type of "DXing" on 160meters - possibly, ANY band - brought about by individual developement and expertise, by their "Super" Stns!! ----- Last season I mentioned the thrill of sitting here "In the middle", listening, (and partaking in a small way), to a "Circuit" between G3SZA, K1PBW, ZL2BT - with other local area stations at each focal point, coming in now and then for contacts -- for over an hour!!! Something never dreamed possible on 160.. ----- THIS season, quite a few times, have Bn thrilled anew, listening to some continuous SSBing QSOs of 1 to 2 Hrs, or more, between K1PBW and G3SZA - both sides getting Q5 copy even with Cdx bad as they Hv Bn!! ----- CREDIT and SALUDOS to Ernie and Dave!! But also to others, including K6SE, W8LRL, ZS6DW, (And NLAAR/Bob with his 160Meter BEAM, 2 El, 175' UP fm gnd!!) - who with their technical skill, special transmitting & RXing Ants w/Pre-Amplifiers of special design, & Receiver modifications, excellent QTHs, and hard work, Hv rolled back the NOISE level threshold, & obtained fairly reliable communications, even under sum of the poorest Condx!! (Rivaling NAA's 15Kc Gutler Maine submarine Communication net's capability for 100% reliability under ANY Condition) ----- Many of us, now listen to them working DX "With Ease", giving 4x5 to 5x9 plus Rpts, when we cannot hear the DX at all, or with any reasonable copy - just maybe signal "traces"!! THIS has give rise to the "New Type" of 160m DXing, wherein these stns Hvg a 3000 mile or so "Pipeline" from one place to another are, on an "MC" basis, giving "assists", which vary greatly as to extent and degree to less fortunate stations in their areas, who are most anxious, (of course!) for DX contacts, and are enabled thereby to obtain a QSL not otherwise possible. This, broadly speaking, is the "NEW LOOK" to DXing & DXCCing on 160 - contrasted with the up to now, before these "New Horizons", 160m DXing on an entirely individual effort basis. ----- DXpeditions are giving more attention now to 160m - GREAT!! THANKS fellers!! BUT please give special attention to having the BEST POSSIBLE 160/ antenna ground - it "Makes all the difference in the world"!! ----- OOOPS!!! running out of space, -better 'slow down', -Change FY!! ----- NOTE:: only TWO bulletins/season now - FALL and SPRING. (Ever wonder about its "circulation"?? Approx 330 Copies/issue.) --- Again, Tnx 'Yall for helping so much'!!

HAPPY SUMMER now!! & G.L. w/that Antenna.Ground, or "whatever" 160m "Project"

* Since 1932

73!! de Stew/W1BB - 88s de Marguerite B.C.N.U.

PA/SHIP/Willem: "Hv big NOISE Pblm Hr (Like W1BB/BOSTON) - trying quiet Country QTH 10 Miles away w/ Delta Loop, apex 120' up & 1000' Beverages. Sum Nites Eu 1800-6 plastered w/HiFix Beacons. 1807 Btr fr Ws. Sep20-23 wkd W7FS fr Hr peak 599! BUT!! No one else on band! PA/W7 path usually AURORA QR" "Twas memorable week!! DXCC Nw about 89/86 FB!! (Tnx K2GNC) (Willem had much storm Tble at /P QTH, EUROPEAN MARKERS DHJ/1830, OSN/1831 Willem sez "Dont rely on 'em. Mostly vy lo pwr, a few Mw. DHJ north DL/land, a N Atlantic warning system stn, only uses full pwr fr gale warnings. Otr days w/ QRP, hardly audible, even in PA/land. -- OSN, Ostende Belgium coastal stn, 150Km Fm Willem, on 1831 only emergenc aux to main stn, w/ lo pwr many times. Pse tell 160boys becuz sum inactivity due fact DHJ/OSN not hrd and they therefore think the band not open!!" Tnx Willem! (CORRECTION, above, "A few HUNDRED MW".

WHEN YOU HEAR W9ZN - YOU ARE HEARING A HISTORY MAKING CALL - 'Twas 9ZN owned by Matty Long, one of vy first WIRELESS ham PIONEERS, early 1900s SPARK days doing "Relay", DX, experimental wk outstanding! Nw 93 matty last yr gv splendid talk at A.W.A. Dearborn meeting. Nw QTH in XE. Somehow Matty let cal go. Bill Crane W9ZNG requested/got it. Fond memories the "Good Old Days" Hvg "9ZN" back!! VFB Bill.

WA9EYY/Gregg's INTERESTING COMMENTS "77/78 esp psd wk ZL2BT aftr 2 yrs trying!! Fb! - TV BIRDIES: cured by replacing 300ohm twinlead w/shielded 300ohm lead, grnding shield, complete cure!! GREAT!!

Serrana Bank lkg fwd being op W9UCW's DXp! -- CONDX OK1ATP noted vy gud Condx just B4 Geomagnetic storms - I hv noted also, esp 77/78. For last 4 yrs best condx of yr fm Xmas thru NYrs, same time Ea yr. Otrs Confirm?? (Yes & believe partly coincidence, partly longest daily darkness periods) Otrs???

This yr tho best seemed late Feb/Mar when Gregg got a couple of "New Ones" - Tnx Gregg/VFB!!

NLAAR (Ex W1GEYO) Bob: "My 160m beam is a "Dream" - two double extended zepps, 695' long, spaced 160' apart, 170' high, suspended Ove 4 Acre site firing NE or SW. Both elements driven by adding sec of phasing line. Reversible direction." Also has SIX!! 2500' Beverages, sez "Can also HEAR". WOW!!!

W5MCO/Vic using R4C, RANGER, 70w & 35'tall "MINOOKA" Vert, waterpipe/iron fence Gnd has 57w/54c. Sez; finally!! got tt ZL(LAXB) Bn aftr so many yrs-What a THRILL!! and!! few mins later wkd 5 JAs in less than 10 Mins. VR3AH pounding in steady for 2 Hrs, cq/ww test, gave me 599!! Not one EU tho! Need AF Nw

HER MAJESTIE'S SHIP "BELFAST" Berthed in Thames River/London so many Hv Bn thrilled QSO as G4EOK, operated by R.N.A.R.S. under able supervision of Don Walmsley G3HZL, has new call G4HMS, appropriate! First 160m DX Q was K2GNC/Bill! VFB!! Hv antr call GB2RN used when ship open to public 1100-1800z. FB!

"WOTTA THRILL" sez W9MAL/Brad: "Hd given up evr wkg JA/160. N4PA QSP'd JA30NB Hrg Me. Started wkg at agn. WOW!! Dec9, 1313z wkd JA5DQH-WOTTA THRILL!! - Nw 91C. Then Dec10 wkd 4ULITU, G3SZA, KL7GKY, JA30N Dec 11 JA5DQH, 20NB, 2GQO. All this using dangd noisy vert to Xmit/Rx, plus LINE NOISES. My CHRISTMAS!

GUATEMALA ON 160 AFTER 10 YEARS SILENCE Tnx TG9ML/John-TG9KV/Carlos who w/help ARRL/Bruce Johnson/K1MM got License. K1MM wkd 80 Stns! TG9ML wkd 12 in test, & Nw ops whenever poss. Has Bn bitten by the 160 Bug, sez "I'm Hvg BALL with it!!" (K4BAI & W4YWX were last to operate TG/160 10 Yrs ago!!)

W.A.R.C. REPRESENTATION by F8EX/Jean/"75yrs Young": Ham Fr MANY yrs, supporting & advancing always the best interests of Amateur Radio was principle effort getting F stns Bk recently on 160!! Has Nw prepared an exceptionally FB, 19 Page presentation for W.A.R.C./Geneva/'79 on behalf of French HAMS & with excellent emphasis on 160meters!! Jean has been working constantly with his PJT Administratio, REF, etc. CONGRATS & Tnx Jean! RUGGED!! he mounted the F8EX/HOedic Isl DXp'78 "At end of the World"

G3LIQ/DENNIS OT of 160, since '62 at least, sez "78/79 strange-not many Ws, yet VK6HD Bn thru evry eve fr 2 wks (Jan/Feb). Had CN8 to be on cq/160 bt NIL -- HH & PY cmg thru - Much splatter 1801-5 fm shipping. Collins 500Cycle filter helps a little - 1810-15 often quiet, why dont Ws use?? (SSB Segment Tried 5' square LOOP per ARRL Handbook, hrd VK6, W1BB Otrs on it, Vy deep NULL, gud fr QRM. Cant Hr JAs Becuz DECCA Nav. QRM 160Mhz thru 2000Mhz, Pity! 78/79 poor season but band w/ rise out of DOLDRUMS!!"

GOOD NEWS!!!! RALPH/WLHT (HGT) and LINDA GOT "Hitched" this winter. CONGRATS!! VFB!! Reside Concord Mass. Enough reason Fr his absence Fm 160, & fewer 160m Columns/Pages in "DXers Mag" (Gus). Sez no room Fr 160m Ants bt hopes find suitable QTH Sn. Linda approves HAM RADIO 100%, and has HF ants & rig going FB. Sez "Pse QSP my 73 to the Gang!!" GREAT!! HAPPY DAYS ALWAYS for you both!! b.c.n.u.

W5TI/Bill Hvg Ex results w/ 160m Inv U ant on 60'x125' City Lot w/random radials, fm high/clear QTH. "My AUTEK filter FB, can read anyone w/S2 sig Nw. It's absolutely the quietest Ant, the U, I've ever Hrd"

OK2PGU/Rosti: wkd JA30NB/Nov5 "Ist/ever" EU/JA, 78/79 Q making DXCC 50/48 Nw!! FB/CONGRATS! Bn vy QRL this past summer w/160m QRP club, esp building himself "HAM HOUSE" (Shack) in his garden w/2 rooms 1st floor his Electronics Lab. 2nd Floor his HAM SHACK. Finishing touches now, w/ants etc. SUPER!!

W9CG/"Ron" : "My 2nd 160m Season. Like Bnd VY much! & its Challenges! DX only 21C bt enjoy hunting FT10IE w/5LJ4 & 200' BC Tower @WKAM/WZOW, am Ch Eng. HAM since '57, "Xtra" '61. 3A2BP briefly '62. Vy Sri reZE7JX. So gld QSO'd Him. Missed PY1RO but got PY6FN" - FB/Ron/welcome to 160! and G.L. W1JR/J w/65' Hi Inv L & 14 Radials wks Better'n 1/2 Wve Dipole. Now gg for DX!! fb. W6IMO/Charlie "Just on 160, 11/78, w/Inv"U" ant (Yea an"YOU" ant) & radials BOTH ends, gets out FB - 9plus 20 in W2 Etc. Sez "Though on city lot, unable put up GREAT ant to knock'em dead all, over the world, CAN get on and Hv FUN!! Regret, in all my yrs, wasnt smart enuff to get on 160 B4!! Sure Hv Bn enjoying it!! Fb/Chas!

BULGARIA MAKING PROGRESS!! towards 160m operation, Tnx Gud Wk LZ1WI/Dimitar especially!! Also LZ1KDP,CY,GU,GO,WU,KSP-2JF,ZZ,RB all supporting 160. Fm W/land W4BRB,W1PL,HT,BB,4RA,DQD all Bn wkg! **HUNGARIAN sw1/JANOS,HA5-142** really checks 'em!! Logged F6CNI on 1,835,790 C/s, OL8CII,1,835,790 also at GD4BEG 1,824,100 c/s Etc!! THAT'S ACCURACY for you!! His Wx recently MINUS 10C Temp, 120/144 Km/hr winds. Sent most excellent Eu/Log Dec, thru CQ/160. Bn at this many yrs. Recently hrd VK6HD 27Jan 2121-38z making his -"HAG"/160/SWL --- a great Top Band DX "Hunter" !! CONGRATS Janos om!!

"GOLD SARDINIA AWARD" de Mario/ISØLYN/Award Mgr, (160mDX Bull#178/79p2) Sardinia Radio Union. You can become "Honorary Member" by Wkg 50 Points. 6pts ea fr wkg ISØAEW,FPH,LYN - 4pts wkg ISØ,BDO,DRD ENS,HSI,IFA,LFG,MIJ,ZNE,YCH,RZW - 3pts each of 52 foreign Honorary Members - 1pt any non-member. write ISØLYN/Mario fr full info!! **NoUU/Larry(ExWØPSF)** returns 160 aftr many yrs,abt 7, getting estb medical practice - on CQ/160 test. Hrd GD,GM,G3. Wkd VP9,YV1 w/20' vert/no radials!! Ant prblm becuz small lot & only allowed max 30' ant height!! Sri Larry -"They always return" !! GL/b.c.n.u.

WØJY/Dan-NEWCOMER-WELCOME! Psd W1BB aftr recent QSO by recalling our 80m QSO Bk '32- his call W8BTV. Sez:"I made note then you were using TWO 210s, whereas I had only ONE!! That put you in the DELUXE class, in my book" -also-"This is first time on 160, my entire career - find it great deal of FUN!" Dan,wonderful to meet an "Old Friend" GL! (The 210spp still working! Used Nw & Then on 160

SP/POLAND NOW ON 160!!! CHEERS!! SP3DOI QRV CQ/160 w/Drake/Line, VFB GP Ant-168' Hi w/150 radial wkd K1PBW,K3VA,W8LRL,4X4NJ,EA8CR,YU3IUP,VK3ARY for a "starter"!! SP3HCL,SP2BMX,SP5WL also on w/QRP 3watts & 80m Ants - Otrs expected soon!! (Tnx OK2PGU) **K8CGV/Dick** using 100' Top Loaded Vert,75A4rx Valiant II 5 beverages,1500'W,1000'NW,1400'N/S,2000'NE,1500'E WOW!! Has 58C/58. VFB & GL/DXCC Dick

WA1GXE/Gary (BULL#1,P3) Nw sports FT101F w/400' Ant & Fair Grnd,near ocean. On as health permits!

VE3INO/IVAN - WELCOME BACK!! (Ex VE3FSQ) On 160 aftr abt 15yrs as "Rock&Roll" drummer Boy!! FB! Entered CQ/160 test, did FB, Nw on w/ 100w,Inv V-Apex 65'. Wl try BEVs Fr Rx Also Gamma Match tower.

KØDCF-Tony:: Operates above 1830 to avoid East Coast QRM "Curtain", also run more power. FB TONY!

G3CWI/RICHARD Nw DXCC 59C!! Inv L gives good results - also RXing LOOP helps immensley, w/NOISE level which goes Up-Up-UP!!! (Yeah-knw what U mean!!) Sri;/GL **ØK3LL** wkd 3 JAs at 599 last fall!!!

VP2DD/AL (W2FJ) gg try loops, see if they help w/ his QRN/QRM-esp LORAN which messes things up his JA skeds!! Sri/GL **W8LRL/WAL** '77/78 got 10 NEW/C ZL1AA/k,CWØA,ISØLYN,FMØFC.ZB2G,PYØRO,VR4DX,FOØA,FOØAKV - 78/79 VK9ZR,ZL3HI/c,ON8GT/A & WØDX/D &/ØRV4KM/D Nw abt 127/122 VFB/CONGRATS!!

HUNGARIAN 160m PROSPECTS Hopefully, licenses in '81 or '82. Here's HOPING!! Tnx HA7UL for info.

ØNFC/Chas's 100' Twr w/Radials sure wkg FB!! Sig Vy Potent!! He suggests using coathanger wire, 5" long pieces w/one end curled into small HOOK, driven Dwn Ovr Radials to hold in place - FB IDEA!

W5SUS/John w/ his TWO 104' Verts - 375' apart-broadside to Eu started 78/79 great, with G3SA, PAØHIP,ØK1ATP,ØK1KSO,DJ8WL and!!! JA3ONB & DQH And KG6JIH. Nw DXCC 83C!! John has ideal ANT/QTH!!

W3PA/David w/ 9Ø 1/4Wve Radials, Vert Ants, Inv Ls all wk great! TNX TO GROUND!! Inc VK5BC is 36C & 48S w/o trying! using CRYSTAL controlled Tx, sez, "Being one of the OLD SCHOOL" - Hi - FB!!

Wa80LN/DON ANOTHER INVERTED L USER 60' high w/HW12 & Viking I, Dec wkd G3SZA/SSB,PAØHIP/A,4ULITU KL7s,KH6s. Great!! **Wa1RFM/VP9-BILL** Fr Svrl Yrs Bn steady/reliable VP9 Contact!! Packing up/coming home USA this Yr w/FB Family Joyce,Jeff,Christy. Bn Vy helpful w/160 QSLs etc. Tnx-welcome back/GL

FIRST TIMERS:: With his two 120' Verts in phase & 7 beverages, Ernie K1PBW seems to be wkg MOST of 'em!! DJ3ZX,G3PXQ,HB9AJN & many Otrs - "Fine and Dandy" Ernie!! **N4JJ/Jack(Wa4LDM)** CONGRATS!!! w/GJ5CIA Jan'79 got his 100/DXCC/160!! Possible anagging GL Certificate No.13 !! (Tnx N4EA).

N4EA/DON CLIMBING DXCC LADDER!!! Jan'79 w/GJ5CIA also, hit 85C, but NOW!! up to abt 93C. Who sez DX poor this season?? Not for "Some People"!! **W9PNE/Brice** Vy QRL/Sickness/family, BUT made 220 Qs, 61Sect, ARRL/160 Test & wkd W6QL/6Y5, K1MM/TG9,PAØHIP,KV4FZ spite poor condx! TTs "Perseverance"!

ZS/PB/PETER On 160 w/ Inv Vee 250' long, 1810khz, in "The Land Of Cattle" -,his photo/QSL worth working for. GL Peter! **USSR/160-UP2NK(via W1HX)2/79**, sez they'll B on 1850-1890 SOON now!! HOPE!!

SIERRA LEONE/ØL1CA/"Chuck" was on Mid Feb w/FB Sig wkg quite few W/Ves,G,etc CONGRATS and Tnx fr putting this exotic spot on 160!! **WELCOME TO N9JZ** Newcomer w/6L6G CRYSTAL Controlled sez, "It's a GREAT band to operate! GL & ON to DX!! **SHADES OF NAA!!!** WOW!!! This is really getting to be the era of SUPER-SUPER antennas on 160!! WapZHH sez he is using an array consisting of FOUR 13Ø' high towers, on a 1/2 Wave square, with an ADDITIONAL tower, a FIFTH!! in the exact center, giving an 8 point switchable array. He NOW advocates 260' Towers instead of 130'. Dont hear him on too much, but this is SUMPIN I'd like to see!! WOW!! Have seen NAA at Arlington Va, and also CUTLER Maine, HAMwise WapZHH should be a good "Runner-Up" !! As I understand it, not exactly sure, a low/loss ground system is NOT required, and it gives a SUPER LOW ANGLE of radiatØm !!

AMN FOOL PERFORMANCE !!! Hv YOU ever done it?? Like W1BB has!! - in Contest w/DRAKE/Twins in the TRANSCIVE position, wkg Dwn Band - then decide to 'Check' the "Window" - suddenly Hr DX Stn there Forget you're in Transceive and wl B TKing in the WINDOW - or Hvg previously wkd DX arnd 24½, take Quick look atbtuning knob,see it near Zero, think you're near 1800 as usual, set it for 01,02,03,Etc -go on the air?? In either case you're IN THE "WINDOW", making a "Damn Fool" outa yerself!! Good thing i t doesnt happen TOOOoooo often!! SORRY Fellers!!!!

South-AMERICA - South/AFRICA - South ATLANTIC - Central AMERICA - CARIBBEAN

VFB RADIO BULLETIN IN SPANISH!!! by "Grupo Argentino de CW" (GACW) available. Covers vy interesting field inc 160m. Contact LWLDZ/Al, editor and/or LU6EF. Al sez: Cndx poor-no DX-feel completely isolated way dwn hr. Skeds w/HK6BKK,HC2SL,EA8CR bt Nil yet. Wkd VELAXT,PY2XB,N4EA,W8ANO,N4JJ,K2DA,PT2CW/p. Nil on VP8PL.VP8AI.CE6XX. Sri Al, we've ALL Bn crying in our beer abt Condx. However patience, perseverance,optimism, and "Hope Springs Eternal in the Human Breast" must be our philosophy. PY6RO/ROLF Made "First/Ever" DX/160/"WAS",completed in CQ.160 test Jan29 by Wkg K6GZZ S. Dakota!! A real fine 50s/50s accomplishment - CONGRATS!!! Rolf is also close to being the FIRST real DX (Exception KV4FZ who's QTH is practically 'Local', has it) to ever make 160m DXCC!!! outside of NA. Jan6,2156z wkd JA3AHQ making 98/98. Feb23,0405Z wkd K4FW/VP2(Nevis) for 99/99 Only ONE to go!! GREAT!! The Champagne's going to be flowing again for sure,pretty soon now!! (Maybe already has???) ZS6DW/BILL -CONGRATS!! Super 1826Kc Sig cmg thru this late winter/early spring REGULARLY every AM his sunrise 0330-0430z, mostly SSB, giving many their S.African contact. He and K1PBW hardly ever missed!! Mar 10 Bill gave W9NFC his #104!! GREAT having ZS regularly on. "Sloper" wkg VFB!! PY2CW/MAURICIO NEW QTH/Ant/1KW - New Jr Op Coming to he & Rosana - also TRIP to USA. FB/GL/bcnu!! FG7AM/GUADELOUPE/JEAN Has Fb Stn w/160m Capability - Has Wkd K2GNC,W2FJ,W8LRL,K1PBW,N4EA,N4SF,KV4KV VP2DD,G3ZA. Hopes to be on more often with btr Ant/linear. Congrats Jean, G.L. and Tnx!!

WEST COAST - TRANSPACIFIC - OCEANIA - JAPAN - ASIA

K6PP/7's MOST UNUSUAL,INTERESTING, QRM/"SLEUTHING" on 160 Sez: "Spent wks last fall in Colo tracking 24hr/Day carrier, ocasionaly modulated by music, wandering between 1800-1850kc. N6TU & I made three trips w/LOOP to one house. Owner sed Never hrd of HAM radio etc. Finally afr convincing him to trip each circuit breaker in house, the QRM went off!! Owner astonished and BAFFLED!! We suspected radio wireless intercom. NO they didnt have. Turned breaker back on,started "pulling"110v cords. FOUND!! Admiral Console "Entertainment Center" that uses carrier/current 1800-1850 to feed spkrs in otr rooms. "Transmitter" is factory wired ahead of Pwr Sw so it runs ALL the time. Mystry solved. Sig could be hrd 10 to 15 miles away, a real puzzler" - CONGRATS Ken/FB Wk & Tnx sharing/may help sum/ons Ken Nw in Anaconda Mont w/vfb 80' Vert.top/loaded w/Novel "Top-Hat". W1 B Active . Sez glad to help anyone needing Mont! Also mentions common problem we 160ers Hv, ie SSB operation below 1810kc. Ag - maybe all of us can, in friendly way, try keep 1800-10 clear clear for CW by reminding our friends AND!! setting good example ourselves!! (Incidentally, what to do abt TV "Birdies" in City Areas???) W7TO/DAVE's GREAT REPORTS:Rec'd Cable Fm Willem/PA6 tt his W7 sigs FANTASTIC Sep19 fr 5 days abt0330 Sep15-30 Dave hd 3 MAINE QSOs-usually doesnt wk Me. until late Oct-thru mid Nov. Also Rec'd SWL crds Fm MURMANSK late oct thru mid Nov.0230/0330'76 & '77 while QSOing E/Coast Stns. One eve,dea band, sent CQ - back came VR3AH "ONE JUST NEVER KNOWS"!! (Nope -tt's whats especially intriguing atc 160!! "If I can wk W8, 5 min B4 my sunset time, sigs usually S8 both ways, Then I'll blast thru to W1,2,3, starting 4hrs ltr - if no W8 sunset QSO, forget E/Coast rest of nite!! Using LW ants,testing Otrs. "My friend K5CM w/144Mhz "WAS" tucked away, just came on 160, & Nw looking for 8BWAS!! FB/Dave/Tnx!! VR3AH/"Doug"-CHRISTMAS Isl.(Line Isls) At Satellite tracking Stn, primariarly CW man,bn doing well on 160. Tried DX WINDOW bt few stns regularly there- so mostly Nw 1815-1818Khz & 1805 Fr KH6s. Did Vy gud in CQ/CW test. Hv an ear Fr Doug! (Tnx KH6DL) . Has wkd a lot of W/VES this season. VFB!! H44DX/Wes (ExVR6DX) GUADALCANAL,SOLOMONS Isls: On agn 78/79, New QTH, same 58' shunt Fed Tower top loaded w/beam & scads Radials tt did such fb job 77/78. Sez Bit frustrating tho, listening to band w/no sigs, so often - but "Still hanging in there". Dec 18 Wkd KH6IRT,ZL2BT & Otrs.(No recent rpt). VK5KO/JOHN (80Yrs "Young" this July!!Congrats!! HAM RADIO keeps a feller YOUNG and HAPPY!!) Sez: " Bn a Yr almost complete disaster Hr- trying hard as ever, but results a complete ZERO!! No 160m DX wkd/hv not hrd DHJ. WWV/2500Kc faintly only twice. May thru Jul,sked w/OL4ATY-Nil! No JA QSOs/hrd su & Cld Bt NIL.(Sri John, bt U hv plenty company - DX Bn Vy Poor!) John Cycles 10M1/Day,(Ex Profession Cyclist),low fat diet, Dwn to his 21Yr old weight. Feels fitter Nw than 10 Yrs ago!! Just GREAT!! CANYON DX ON 160 "BELIEVE IT OR NOT" Wkd by W7TB/Lew (Ex W9UNG&W6NGD), fm his QTH at bottom of CAK CREEK CANYON, Nr Flagstaff Ariz,1500' below ground level, w/ 1/2 Wve Zepp strung across Canyon only 100' above it's bottom - 1400' Dwn Fm Canyon Top!! Qth VERY!! QUIET!! Has wkd quite few EUs, latest being DJ8WL & EI9J, Paddy's 1st W7 on 160. 160/80/40 OK fm Canyon but cant wk HF, except poorly & only occasionally. W1BB Hrd him on QEII Voyage when close to Clipperton Isl w/ very good signals!! "CALIFORNIA 160 METERS" A VFB column by W6XM, Ed Mariner (ExW6BLZ) in WORLD RADIO Feb'79 tells what its like operating 160 on West Coast, with sum general helpful hints. One item, "A problem must understood by newcomers-strong ground sigs prevent more than two local stns within 10 miles eac fm operating simultaneously. On most receivers, strong sigs pump AVC & Buckshot much wider than otr bands. Many loud sigs 100 Miles away do the same, causing arguments that each others sigs broad Its just "Proximity" effect.Concludes "160 a FUN band, but takes patience and TOLERANCE!! Sez E Coas Dx Bn slow this yr. HOPING to go to operate W6XM/HK3 this june. WE hope so toe Ed!! GL with trip!!

- K6SE/EARL REPORTS:** Nov '78. W/ZL3HI/c & 5W1AU in CQ/SSB, DXCC Nw 87C!! (ZL3HI/c, see DXP sect). 5W1AU's 1st W/160 QSO, mostly contester. shud B on agn! ---H44DX (ExVR4DX) QRV weekends 0800z @ bew QTH. KX6MY trying Fr 160 Lic-w/1 Hv FB set/up. ---YB7AAU/Walt/Indonesia expected active ---KM6FC expected.
- ECLIPSE and 160 deW7TO/Dave:** Covered carefully 1615-1715z Feb26. Worked 10 Stns in 8 States Inc N.J., W6FSJ, W6UR, K6ZZ, W6OD, W6NFL, couple WB7s, Hrd W5SUS, K7CAZ. At EXACT Eclipse time "So many sigs, couldnt copy anyone!! Concludes "Excellent peaking sigs UNDER Eclipse for 10 to 20 Mins depending on totality, (98% at W7TO k630z). K1PBW and W1BB in Mass, no eclipse, full daylight Hrd one W9&W5SUS.
- MALAYSIA 9M2DW/"Tan"** wud like get on 160 - tried buy TS520S, or Ten-Tech540. Govt no approve! Also wud Hv pay 40% plus 5% plus 5% "Duty". Limit is 10w, "Afterburners" Taboo!! Nw trying find 10w rig somewh Has Rx OK. HAM since '52, bn Vy active 10-80 using up 80,000 QSL cards!! WOW!! Hw abt that?! Wish sum hd bn fr 160 - well, "One of these days!!" Tan's son 9M2FX also active. Hope he gets interested 160!
- W6BYB/7-JOHN** spent winter in "DEEP FREEZE", in mobile home, billings Mont, venturing forth rarely t to get "Supplies". Antennas took beating BUT withstood gales/ice. Wkd H44DX 579x2 Fr "New One" but sez Condx VERY POOR & Participation way down. Been trying hard for 5W1BZ. Also 5B-DXCC hitting 80 Hr
- W7NCO/GEO** Has two 45' top load verts in phase, fig 8 pattern E&W - "Not much gain, but NULLS vfb!
- K5CIT/KH6IGJ/K5KT/A JOE:** Moved to sunny Cal within mile of W6AM & W6SP. Has certain problems due to small lot etc but w/ B on 160 one of these days as K5KI/6. OK Joe and best of luck new QTH.
- KH6DL/MARV (ExKJ6DL)** active @ new/vfb QTH w/same KJ6DL tower. Did fb CQ/CW Test-see "Tests" etc. FB!
- W6JUT/ERNIE "75 Yrs Young":** returns to 160 w/TWO verts in phase, a shunt fed tower, and a cage top loaded vert wkg KH6s regularly now! Originally on 160 1939 QSOing W1BB & Otrs as W1DVC Cohasset M Ma. Wkd "Across Pond". Wkd Spark, w/FORD Spk coil. Member Cohasset Wireless Club. WELCOME O.O.O.T!!
- W6BYB/7-JOHN (Agn)** Wkd VR3AH, "New-One" got 599! x2!! Congratu ations all over again John om!!

EXPEDITIONS

- MELLISH REEF/VK9ZR-DON/W.8MOA** Returned "The Conquering Hero" sez wkd W6RW, DAO-W8LRL-W9MAL, NFG, W8CNL, N4EA, W5SUS, KH6IJ-YB7AAU-KV4FZ and SIXTY JAs, many VK/ZLs etc LORAN gone/nice & Quiet! First nite had ML2500 but Gen QUIT & "Barefoot" after tt. ALSO JA1VDJ/Shigeo, in JA/land sez "Sig Fm Mellish STABLE & FB in JA/land w/o ML2500-W9UCW's MINOOKA SPECIAL ant wkd GREAT!! (JALKSO, another DXP OP CONFIRMED! CHATHAM ISL/ZL3HI/c EXCELLENT JOB!! CW/SSB/ Wkd K6SE, W7RMin Test. After wkd K1PBW, W8LRL, CNL-N4EA. FB!
- MELLISH REEF/VK9ZR** wa8MOA/BOB adds: Did not hear W1,2,3, -N4EA 579onSSB!! w/100w but cudnt hr N4JJ. V "Bad Manners" from sum W/"Eager Beavers". Also some local Oceanians refused QRX Fr W/VEs.
- DESECHEO/KP4AM/D -N4EA/DON** covering 160 as op did most EXCELLENT job Mar 5-7 working MANY W/VEs & including G3SZA, PAØHIP and others!! A BRAND/BRAND NEW ONE!!! W/full ARRL approval. Gave W1BB C #145!!
- JERSEY ISLAND CJ3MBS/Steve (GM3MBS) & CJ5CIA/Dale (W7NQ)** over New Years, both wkg 14 diff USA Stns & sum EUs & making sum VY happy with a NEW C. Tnx/Congrats. Steve is ExZC4AK'61, 5A3CJ'63, GU3HFN'77, GM3MBS/w2'67. DALE is Ex-XEØGEN, W6GEN, W7NQ, W7CFS & Op @ EP2SV. Quite a lot of "Experience" involved!
- COLVINS 160m ADVENT @ JAMAICA W6QL/6Y5/Iris at key' YAGHE YASME** CQ/WW, ARRL/160, made MANY QSOs w/ 10 Ctries, 35 States. Lloyd retired Sig. Corps Col & xyl IRIS Both HAMS, under YASME Fd Hv put MANY rare spots on DX map!! (On HF) - Nw to 160!! 6Y5, T1, HRØ already!! Congrats/Tnx/GL & "SMOOTH SAILING!!
- NAVASSA Nov26-Dec4** WØRJU & Group did VFB Job - esp on 160m - SALUDOS, Tnx -- (and "Where next???)
- HBØNL/FRANK - LICHTENSTEIN '78 Sep30-Oct13** "Cdx VY Poor. 1st 10 days Noise S9 Plus 20db. DX Impossible EUs difficult. On EVERY AM 0500z. Only one opening Oct14. Wkd W2BHM, FZY, YY & W1MX. That's all, but was happy to work someone!! Will give it another try in 1979. (Vy patient/valiant try Frank om!!)
- DESECHEO de KV4KV & WØDX Nov9'78** wkd 2 or 3 on 160, but apparently hasnt yet met ARRL requirements.
- MULTI/C DXP TRIP by K2FJ/Ken** Hit G4HMS, GB2, HV. Wkd few locals, but Condx so poor, vy little DX-Sri!
- GALAPAGOS W1SQB/HCS** By "Chod" Mar 10th QSO'd about a dozen W/VEs, plus G3SZA. CONGRATS!!

By

CONTESTS

- CQ/CW TEST Nov24, 25:** Cdx only fair-DX dwn ovr '77-Mny EUs & EA8CR, YV1OB, PY1RO, PY2CW, HKØCOP, KP4, VP9, PJ, HH wkd. KH6DL/Marv did FB wkg W1 thru Ø & VR3, KH6, JA3. -- OL8CGS wkd W1BB, PBW-KV4FZ, EA8CR, EL, EP, 2WR, YV4TI, JA3ONB, JA5DQH, Otrs. w/WWII Rx & Homebrew Tx. FB! -- F8VJ/Lucien wkd W1BB, PBW, 8LRL, KV4FZ.
- ARRL/160 TEST Dec1, 2, 3.** Great "Get to gether" of W/VE 160ers, esp. contesters - BUT VY POOR on DX!!! Only PAØHIP, G3SZA, G3YUV, OE5KE, 4ULITU, GD4BEG, W6QL/6Y5, WØRJU/KP1, possibly few Otrs Cmg thru due high absorbption. W/Coast extremely scarce, even W8, 9s weak. Most Unusual. Eu Sunrise on 3rd, not one Eu stn hrd. However, GREAT!! to Hv the Colvins W6QL/6Y5 on 160 doing excellent job - Congrats/Tnx!!
- OE/160m TEST, de OE1KU-Cdx NG!** EUs only wkd. Best Dx I4AMO! de OE5REB Activity poor! TRY AGN! Nov 17'79
- "1ST ANNUAL INTERNATIONAL 160 METER PHONE CONTEST"** scheduled fr Jan'80 being organized by WØ7BFK to take place Jan5/6 & Jan19/20 Wk every different WW phone stn in max 24 hrs operation. More late
- CQ/SSB TEST Oct27-29** FGØEID/FS wkd 30 160m QSOs, BUT only two "Takers" for QSLs - interesting!!!
- ARRL/SSB Mar3-4** Skip/fair Noise/high. K1PBW wkd Golan Heights, VE3BWK/4U 0330 Completing "WAC"/160!!
- PA/FLASH! de EA8CR/Juan ANNOUNCES!!!** - EAs Nw Hv "GO" Fr 160m CONTESTS, mostly 1800-20 Starter!
- VANGUARD Stns QRV SPAIN EA2 OP, JJ-5HM.** BALEARIC 6BH, LBO, LH, Juan has hd special EA8 permit sum time. Also EA9-SAHARA/Juan. Hopefully full privileges soon. CONGRATS & Tnc Juanfm ALL the 160 DXers!!!

VI Radio Society

CO/160 CW TEST Jan 27-28: WLMX, MIT/R.S, WLXG/Trustee, KIMK etc VFB job, 21C w/ 4X4 giving 'em "WAC"!! Originally 1KM in op'n since 1920. Nw Hv Fb Qth Atop 275' High Bldg Fr UHF/HF!! WIBB MIT '26 operated stn bk in 20s. 1923 Rec'd Ltr Fr DEPT COMMERCE logging their "Excessively long calls". Clg 31W 1 times, signing 14 times, clg agn 15 times, signing 11 times, without waiting Fr Answer!! Called continuously 4 minutes!! THEM were the HAPPY days!! (Wasnt BB @ key!!!) Club "on Ball" then - still is -----DJ5VX/Dieter w/2 50m wires 3m high & 200m BEV wkd W1,2,3,4,8, -KV4, EA8, VO. Hrd PY1. "BEV sure picks JAs outa noise & cuts W/VE QRM.fb!! ----- G3XTT/Don: 137Q, 17, 082Pts, 22C, 6S. Wkd EALSQ Fr 160 C #30 w/FT101, Inv V. ----- K2GNC/Bill wkd 38Eu stns, 45DX stns inc PZ/AA. Missed 4X4NJ, ZS6DW due QSB. w/ 225' BEV which Ovr Long Island's poor soil conductivity wks GREAT!! 2 wks afr test wkd EA8QO, PA/LOU, VR3AH!! Concerned (Arent we all!) abt fones invading WINDOW also 1800-10. Has EXCELLENT RXing capability! NW to increase Tx ant Vert Height this summer!! FB!! ---- IRIS COLVIN agn on 160m, Fm TI ---- W9PNE/Brice wkd GD4, PA/φ, PZ/φ, VP9, C6ANY, G3, DL, F6CNI a "NEW ONE" & EXCELLENT for W9 area!! ---- LIKE WE SAID ONCE BEFORE: Dont intend to "Cover" Contest reporting, but do like to include a few "Highlights" that may inadvertently come our way Frn 'yall. TEST Sponsors always give SUBER coverage

GENERAL

160 to the RESCUE !!!!! (Nov 12) Shut snugly in the small 10'x10' concrete instrument house at the base of Winthrop's Water TOWER, on a high hill, overlooking the Atlantic OCEAN, WIBB Wks 160m DX at "all Hours" of the night, w/Inv.Vee apex 265' above salt water ground plane of the ocean below. The night of OE 160m Test Rowdy Gangs that regularly roam the vicinity, had had their usual "FUN" of throwing Rocks/debris, all sorts of things at the wooden shack roof, as they passed by, to rumble down making clatter and noise, to hopefully "GET A RISE" out of the O.M. inside!!! As usual, found fm experience, the best procedure, is NO reaction at all, or indication that one is bothered at all, and has no alarm or concern. None was given this time, we just went calmly on searching for OEs!! BUT!!! at 2.30am, after securing the rig and turning to open the door to go home - It WOULDNT OPEN!! Only one answer!! It had been "Secured" by the gang, as a new prank - to lock WIBB in!. And WAS WIBB LOCKED IN!!!, "Tighter'n a DRUM", No "Working" ones way out, no other way out!! Decided not to "Panic" - but what to do?? NATURALLY "Ham Radio To the Rescue"!!!! Listened around 160 - Hrd Ernie K1PEW & his "Insomnia Net" shooting the breeze on 1809SSB - fired up - got instant reply - asked Ernie, 100 miles away, if he would "ll" phone Winthrop Police Dept, asking them to come and get me -- 10 minutes later they arrived, removed a 2"x4" BAR across outside of door frame, tied with several strands of No.12 plastic covered house wiring, tied thru the door handle and around the bar. WIBB was "Saved" for more 160m DXing another NIGHT! THANKS ERNIE! - sure GLAD you were there!! Funny the WIBB cant feel too sore at these guys, becuz, when boy myself, full of mischief, one HALLOWEEN nite, w/ 3 otrs, we tied a man in his house by doing the same thing to HIS front door!! Then ringing his doorbell and having the "Fun" of watching him struggle to get out, finally going out of his rear door, coming around and removing the clothesline cords we used. Only difference is that at the TOWER I didnt have a rear door, or an openable window, the two small ones being steel frame, small squares safety glass, non openable!! HOWEVER this sort of thing is dangerously bad business. Nuff Sed!! TOWER door handle is now removed, hopefully Solving the problem, so future DXing can "Carry On" !!

THE POSSIBLE W.A.R.C. 160m BAND CHANGE Since there isnt much we can do about it anyway - everything possible WAS done - and the change may be coming anyway, about all we can do about it, is to get "Philosophical", and make the best of it!! IF it comes!! It may not, even yet!! ACTUALLY, this change might be for the best !! Tests in the past, have shown that 160m propagation is better up around 200Khz, than 1800Khz, or 1825-30 - sometimes picking up 1 or 2 S units - similar to how DX is better on 80 than 160 usually, but not as much difference!! Additionally, we might get away from TV Birdies every few Kcs. Some listening makes one think this could be so. WHATEVER happens, we should work towards a lower 10 Kc for CW only, and an upper 5KC "DX WINDOW" which is VERY necessary on 160. Either that, or 1900-1910 might be better, (10 Kc,) since we would probably have 1900-2000 Khz on SHARED basis, as we do now. Antennas, & Radials will be a bit shorter, therefore easier to build & Install. Greatest problem may be getting the Worldwide 160m boys shifted to the new FY and in "Synchronism" -- and the problems of many shortening antennas, retuning, etc. These are just some thoughts, but since the problem is still "Nebulous", in a way, we dont worry about it - just wait and see what happens. However, it might even be better for us, if there were a change!!

RECEIVER MODIFICATIONS Many Tnx due Sherwood Eng Co, Denver Colo, Bob Sherwood/Wb/JGP and K8RRH/Georg Heide/Man for the very helpful modifications pointed out in their "HR" Mag Dec '77 Article, Mostl for R4C Rxs, which have been tried and found MOST HELPFUL on 160 (On any band). Write Fr INFO!!

LOOKING AT WIBB's "DX BAROMETER" How Poor would you say DX has been?? COUNTRIES/TOTAL DX STNS WKD each season, to BULL date. --78'79, 55/152 - 77'78, 57/178 - 76'77, 64/179 - 75'76, 60/162,

PROPOSED 7 THAT'S IT FOR NOW!! Keep up the HAPPY TIMES on 160!! 73 de Stew/W1BB
1860-1900 EXCLUSIVE HAM, 1900-2000 SHARED

Nov 11 1979

PYLRO/

Dear Rolf om

W I B B
Stewart S. Perry,
36 Pleasant Street
Winthrop, Massachusetts

HERE 'tiz - FALL issue

PLEASE see page III

THANKYOU for your letter September 19th

WE'ALL Miss you on 160 - guess it is taking longer to get settled in the new QTH than you had planned on!! Bet it will be good however, and "WORTH WAITING FOR"

ENVY you having worked the Russians!! I worked UB5WF way back in 1961, but none since!! Conditions havent been very good. (Actually you havent missed too much on the band!! **HAPPY SEASON** Rolf and '73 de Stew/WLBB

NOV 1, 1979

WLBB --- *160 METER DX BULLETIN *** WLBB

1979/1980 No.1

de WLBB/Stew ---- "GREETINGS and Salutations" one and all!! at the start of the "79/80" 160m DXing Season. Seems nice to have things "opening up" again, with many of us returning after a summers lull in activity - QRN dropping - Darkness increasing - conditions improving - seems like a "Homecoming" about this time every year, doesnt it!! --- Was just thinking though, with sympathy, for those 160m 'Buffs' living near the Equator, where they suffer severe QRN the YEAR ROUND. They deserve special recognition for constantly fighting it, with patience/perseverance, and giving us DX from that area! I know how it is, from experience, operating Commercial on ships going thru those areas. Its "RUFF"! ----- WHAT does the CRYSTAL BALL say for 79/80?? Cant get a Clear reading! BUT I think it says, "pretty much the same as last season"!! We're quite close to the LOW point of the cycle - poorer, the higher the sunspots. BUT as in previous years, a lot of good DX will be worked by the industrials, faithful, wise and persistent!! --- One problem, all over, is the lowered "Participation". Many are busy enjoying the excellent conditions on HF, and building up their Countries Totals, that they forget 160. Sometimes it seems that just a few of the 'Old Hands', are carrying the ball, and even they are thinning out. For example, G/land alone in 76/77 I logged 65 Participants. But in 77/78 it dropped to 45, and in 78/79 to 38!!! (One knowledgeable G said this was due partly to fact that formerly all Gs started in on 160 - now they dont do that.) I believe, mostly good condx on HF. ----- WORKING DX on 160 is "doing it the hard way", anytime - especially when Condx are poorer. Nevertheless 78/79's "Poor" season gave much new and some exotic DX, like A35DX, JALMCU, FC6CNI, H44DX, VK9NI, VK/ZLs, KH6, VEL/1stPaul, ZK1MB, YV6AA, SP3DOI, EA5HM, FO8AKV, ZL3HI/c, VK9ZR, VE3BWK/4U, 9L1CA, 6W8/Wa6NVR. PYLRO/Rolf made the "FIRST EVER" foreign 160m/DXCC (#14), N4EA/Don got his, #15!!! CONGRATULATIONS!! WLBB increased his country total to 148, with FC6CNI, K1PEW/Ernie to 135C, W8LRL/Wal close to same, (Plus or Minus), K2GNC/Bill Made 258 DX QSOs, 83 Stations, 23 Countries. His log looks like for 20 meters!! WLBB's DX "BAROMETER" shows Countries/Stations Wkd once each as follows: 75/76-60c/162s, 76/77-64c/179s, 77/78-57c/178s, 78/79-58c/161s fm LOG. S0000ooooo..... even in "Bad Times", things dont seem T0000ooooo..... bad!! ----- The increase of the so/called SUPER-STATIONS pioneered by K1PEW/Ernie, W8LRL/Wal, K6SE/Earl, W8JI/Tom etc, has really shown HOW to "Scrape the bottom of the barrell" for extremely weak and EXOTIC DX!! They basically consist of::: (1) MOST IMPORTANTLY, a ZERO (Or practically so) Ambient Noise Level QTH. (2.) PLENTY of space for antennas. (3.) The BEST of antennas. (Vert 1/4 Wve, TWO Verts in phase, Beams, Lazy H, plus several BEVERAGES -one has, (or Hd) 11 & another, 6 of them -- and/or other low noise receiving antennas. (4.) The ULTIMATE in ground system, scads of radials, or other. (5.) A SUPER "Grapevine", info/alerting system including own HF Coverage. (6.) Expertise, Patience, Perseverance, Physical Stamina, Bedication, and the "Gung-Ho" spirit!! GREAT!! But there's PLENTY of DX for ALL to work, "Big-Guns" and "Little Guns" depending on one's luck with a QTH and individual ability to get the best out of it!! ALL that the SUPER stations can do, that others cant, is to work what DX there is easier, and "Scrape the bottom of the barrell" and pick up the very weak ones, hovering below others noise level!! This is a real accomplishment, but it doesnt say others cant work the same station given the right peaking condx!! Actually the CHALLENGE is greater, and also the THRILL of accomplishment!! S00oo.. it's a WONDERFUL band, and lots of fun for all of us!! Everyone!! Speaking of "Everyone" working DX -- We Regulars, "Old Timers", "Big-Guns" Etc, Must try not to monopolize the band, BUT to give Beginners, "Little-Guns" etc. Every opportunity!!!

S0000ooooo.... Guess that's it - for a starter!!

* Since 1932

HAPPY 79/80 of DXing on 160

--- 73 de Stew/WLBB & 88s de xyl/Marguerite

B.C.N.U.

Stew
44

K2GNC/BILL's Expertise, Ant/Wk, patience, paid FB Dividends -(see Pge/1.) At least one QSO/Mo, Yr Round, since '77!! Ret. Consultant, Inventor, Designer, Mfr - his Major activities Nw R Bible Ministry I 160dx & Thinking abt rotatable LF Beam & Otr Ants. An All/Round antenna BUFF - Congrats BILL om.

VE3INQ/IVAN Sez "Winter Hd Much Tble getting to my SAUBLE BEACH 160m site. Hvy snow 10ft deep. Cldnt get into shack, or even near. Spent day shoveling. Minus 30C!! Short of oil. Finally oil truck made it CQ/160 Test 24Jan wkd VP9, KV4, TI (got 559) w/"Jury-Rig" half-sloper swr 2/1 bt wkd 42 States & Prov, inc VE7. 79/80 hope hv Btr -w/540' Bev bev, best Rx ant!! Real RUGGED Ivan - GL/79/80 and b.c.n.u.

USSR and 160 - "IMPORTANT DECISION". 1850/1950 opened to USSR Hams, also "Any boy or girl can get on w/ mass produced BC Rx & easy to construct Tx. To stimulate USSR Hams AND school age youth entering Amateur Radio" per V Sheulyagin/CRC/USSR -(excerpt fm USSR Mag RADIO, translated by HB9BRQ/K3KWJ) via K1ZZ/Dave/ARRL. Tnx!! JAIHKP/Jun Confirms w/copy PAANO/CCCP notice. UB5VK/YU writes: CW 1850-1950. SSB: 1875-1950. AM: 1900-1950. POWERS: 10w/1st Class. Beginners 2nd, 3rd Cl EZ Prefix 5watts. CALLS:: EZ3AAA Moscow, EZ8, EZ5 etc various areas. Tnx/YU om. Known already active:: UA 1DZ, 2CZ, 3CH, DNB, AGE - UB5VK, NDN, ZEL, UWO, KBF - UC2AAK - UK1AA, 2BE, GKW (wkd by W8LRL/K1PBW Jul 21), 2PCR, 9AAN - UP2BEL, NV, PAP, BFE, PDA, 5VEB - UR2FU, RBP, PCR - UT5AB, BN. And others!! (Tnx UB5VK and G3SZA & W8LRL) This is GREAT!! They are hrd mostly on 1851 approx & QSX w/VE 1845-50, and/or 1801-1803. GL!! Peaking 0400-0500 Approx

WalGXE/Gary Bk on 160 w/820s & "Mystry" ant. Sez "Fooling arnd w/salt water" -??? Got swl rpts '79 s summer fm Indian Ocean JA/ship off Madagaskar. Also Murmansk. ALSO wkd G3RTY, VP9DX, F6BWO, CO2QR, HI9J, VE1CR/1, DJ8WL, GD4BEG, VP2DD, KC, VE4CF/1, VP2KAD, G3SZA, HH2T, FP8AA. Whatever 'tiz yuh/HvGary, sure wkg FB!

W3WI/Walt's INTERESTING INFO Hv used 2 Md. QTHs since '72. Both gave spectacular DX West w/resounding rpts. But E Dx poor. Hear Dx only strongest openings. Ant 100' Vert w/H1/Q Coil at 80' level & 48 1/4 wve buried Radials. Believe 2 reasons DX/E poor. (1) Terrain roughness. Vert Ant needs smooth surfac Hv many gullies & significant wave refractions deep. (2) QTH svrl miles inland fm Chesapeak Bay, adds to attenuation. Ant & Gnd cost plenty sweat and \$\$\$ bt worth it for 160!! Interesting Walt Hope solve G3SZA/DAVE Jun/Jul in usa fr IBM. Visited Svrl Ws inc K1PBW, W1BB, W8LRL Otrs. Vy 160 "Gung-Ho" & wkg on even better Tx, Rxs ants, 105' vert, Inv-V etc - than his present super top loaded vert and 350' BEV, His DXCC 102C/85, 7 of which are recent USSRs. Low QSLs due his previously "Low profile" QSLing. has written many for back QSLs & sez PSE!!!! fellers, Confirm/QSOs. Dave's outstanding signal on 160 is already phenominal. A real pleasure/privilege, his visit/Tnx! On, most every morning GMT 0400 approx

G6CJ/DUD Noted G/DXer/Ant BUFF, in USA to give his famous Antenna Talk/Demonstration to FOC/Vernon - (which WAS enthusiastically rec'd), etc -stopped w/W1BB couple days/most enjoyable visit - gained so much gud info - Tnx Dud. He then covered the whole USA visiting many HAMS & Points of interest. FB/GI

G4CP/RON (Pres.FOC) & 160 BUFF visiting USA Fr "Mini-Binner"/Vernon. (Managed by W1HZ/Howie), found time visit svrl HAMS N2LK, W1HZ, HX, DA, RM-N2nz, W3PZW, Otrs & W1BB who was honored/psd give hm the "Cooks Tour" of 160m set-ups Inc TOWER 'By the sea', of which RON sez later - "We flew off fm BOSTON airport w/beautiful sky - lumps in our throats, aftr such wonderful USA visit. It was fitting that the last thing we saw of the USA, below the left hand wing, shortly after takeoff over the Sea, was Stew's RED/WHITE/BLUE special 160 "TOWER" DXing QTH down below. beside the ocean"!!! Tnx Ron & b.c.n.u/160!

W4ATH/Rev PAUL Making svrl "Slopers" fr 160 w/switching Box fr quick shift - adapting his NE/SW & SE/NW dipoles. 130' H1 @ Apex - 6' ends. ALSO!! Bot 120 Acres in Country for future Ant Farm!! WOW!!!

W2OD/JOHN's BIG CONCERN (& all of us!) is 160m outcome of WRAC. John, active 160m BUFF Nw at GENEVA agn doing his masterful part to Hv things go right. Additionally he is putting 4ULITU on 160 Agn/FB!

W4PZV/HANK Aug '79 wkd VR3AR making 74C Nw. CONGRATS!! (K1PBW/W8LRL-also) VR3AR was formerly Xmas Isl in Gilberts, nw KIRIBATI. HANK still using his "Underwater Beverage". NOTE!!! Fellers - dont fail to see his article on SLEUTHING & FIXING POWER LINE NOISES appearing in '73 Mag, Jan or Feb '80. Mostly HF, but MANY things applicable to 160!! Fb Hank/Tnx!! VE1ZZ/JACK Bn vy QRL summer - Nw has VFB Inv L w/scads/radials & real POTENT sig!! (Also two 3.5 verts/phase w/ mani radials/wkg FB) Congrats/G.L.!

N4EA/DON "Over the top" w/FC6CNI for DXCC No.15. An excellently designed station, plus patience, perseverance, expertise did it in relatively short time - CONGRATS!!! POLAND ON 160 Nw!!!!!!

SP3DOI has wkd across. SP9DH/Adam sez SPs Qrv are 2AYC, NA, DOI-5WL, IXI, KMB-60Q, BLV-9DH, HWN, EVP, EPY. Band 1750-1950. Pwr/10w!! Adam using full size Inv-V has wkd OK, DK, PA, G4, Otrs. VFB and G.L. SPs!!!

EUROPEAN 160m DXCCers G3SZA 102/85, PA4HIP 104/??, GD4BEG 93c/??, G3IGW 75c/? "Wont be long now!!" VFB

W4BRB/W400/GENE DXCC/160/#6, taking time out Nw to snag 6m/DXCC!!! A SUPER Challenge!! Progress 3! But hits 160 now and then. See "The Winnah" in '78 160 ARRL Test S. Fla. VFB indeed Gene om!!

K8MFO/DON up to 42C w/13 added '78/'79 using Inv V. May try another diff ant fr '79/'80 - GL/Don!

FG7AM/Jean planning new 160m ant w/350x1, MLA2500. He & FG7XC expected active 79/80. CL oms!!

WB3KFV/JOE Welcome to 160!! w/TS520, 45' Vert, 24 Radials, 400' BEV. Gunning for WAS and DX -. Tnx Joe.

VP2DD/AL Now J7DD. Recently added VR6HI to make it 60c towards DXCC. Keep up the good work Al!!

K2GM/TOM Ex RCA/Rocky Point/Riverhead, used famed RCA RHOMBICS. Closed down, Tom and his "RADIO-CENTRAL" Club trying make it a Wireless Museum. Has eye on one particular double Rhombic, (Two of 'em side by side) (For added 3db gain), 200' High, very long. Wld like try on 160!!! AT Home w/75A2, 75w Ranger wkd 58c w/54' vert & low dipole Rx ant. 100% CW. Suggests "New 160m Band", (After WRAC) w/FCC designated CW&SSB segments & Larger DX WINDOW OUTSIDE of the USA Band. Great Ideas Tom om!!!

HUNGARIAN SITUATION Janos/HA5-142/swl reports fm "RADIO TECHNIKA", since Apr 1, 160m allowed w/special permits - SO!! HA/160 QSOs expected/hoped for 79/80. If permits can be obtained. Has hrd SP3ADZ & SP9HWN on ssb. Tnx!! K6RW/JOHN 78/79 w/InvL 35' Hix100ft, fence case, shielded loop, FET Pre-amp Drake Twins, wkd HH2MC, VR3AH, KH6DL, KV4FZ, WAI RFM/VP9. Also "WAS" except KL7. Has RI bt needs crd. Then on to DXCC. Sez "160 band special w/me but summer interferes w/fun!!" vfb/GL!! W5SUS/JOHN Mani CONGRATS!! 86c Nw w/5W1BZ May 24 GREAT!! Sez "Sum lightning damage fm matching wire pickup on grounds shunt fed tower" - Sri!! EA8CR/JUAN (VP-URE), sez all EAs may nw use 160, inc EA6 & EA9, w/sum minor restrictions. Activity mostly contest weekends. (Juan has hd special permit fr sum yrs) vfb/Tnx OK2PGU/ROSTI sez fr 79/80 must finish schooling so QRT but leaves w/DXCC 56c/50. Wkd UT5AB/Fred, UB5UWO, UA3CH, UA3DNE, UP2PDA, HA & YO have "permission" but none hrd yet. EA5HM QRV agn, SP9DH & Otrs!! WA8OLN/DON Using InvLw/fb results. F6CNI, GD4BEG, ZB2G, ZS6DW, HK6BKX, VP2KC, Otrs. As with many, NOISE his "limiting factor". Wl try Loop. FB/Don. NLACH/CRAIG Hvg fine luck w/sloper! gg to 75' el NW, plus 2000' ground wire near & Over NH Swamp. Shud be vfb! W2AYS/JIM Nw 37c w/his "short" ant, psd & lkg fr more!! (Arent weall!!) W8JI/TOM active & really "Reaching out". Sez "LAZY H" ant for receiving OUTPERFORMS his Beverages - quite an antenna on 160!! VE1AXT/BOB (om) sez; 78/79 poor season/qrl/Not on much but, 3 new ones 4ULITU, VE4CF/1, VP2KC. DXCC 56c/54 Not bad!! Uses Inv-V apex 50' hi w/TXG. Son Steve/VE3BCZ Grad. Univ N.B. BS Elect Eng - Nw wkg fr masters so not on too much. He visited PA6HIP this summer (Steve). VFB oms!! K4TWJ/DAVE On 78/79 fr 1st time w/FT101, Inv-L, 36 Radials. Hopes fr "Beam" soon!! Sez "160m Static Crashes "Sorta like GOLDEN AGE" it's GREAT!!" SALUDOS!! to NORMAN SMITH/G-sw1 who continues his coverage of 160m fm wheelchair inspite of health pblms-principally aftermath of a shock. "Keep up the good work" Norm. Our best to you & Gladys, also w/pblms. You both hv admirable fortitude, good philosophy, patience and perseverance!!! Keep rpts cmgl W9LT/LaMay sez "If it werent fr hvg stay up all nite, I'd try harder fr 160m DXCC!! (Yeah, know JUST what you mean!!) OL8CGS/Marian sez; OK Ham Mag Rpts YOs have permission/160 bt has hrd none yet. Also OL Licenses prolonged to 19yrs age-so now can be QRV while waiting OK license. Vy QRL school. bt will hit 160 79/80, esp TESTS. FB&GL. W4KFC/VIC Noted VP IARU & Faithful ARRL supporter in many ways, is home nw and recovering nicely fm heart attack. Sez; "Give my 73 to the boys on 160 - hope to be joining 'yall this fall" - Great Vic - b.c.n.u.!! N4IN/DON (Ex W3IN) Nw all retired & after 2 yrs moved to Melbourne Fla. Brought his 4 towers. Plans 4el steerable array w/2 or 3 reversable Beverages. See Don's rpt on CQ/WW/160 test in CQ Nov/Dec - EXCELLENT!! W9NFC/Chas (W2EQS) Sez; "Was stuck at 96c for 2 yrs - then got 4 new ones within space of few weeks" Isnt that the way it goes?!! Makes 160 Tantalizing & Interesting!! EI9J/PADDY Nw ovr bad case shingles. CHEERS!!! Sez 78/79 so poor only came on Sat/Sun nites & wl fr 79/80. Wks rig remotely. Got VE4CF/1, SP9DH, FG6DDV/FS7 in June. Sez PA6HIP Nw 104c. Tnx Paddy OOT!! ISRAEL/4Z4MK/RON hopes B on fr "TESTS" 79/80, per VE3INQ/Ivan's note, who is also "All fired up" w/new 1/4 WveGnd Plane & Renovated equipment - GL/Both

South-AMERICA - South-AFRICA - South ATLANTIC - Central AMERICA - CARIBBEAN

PY1RO/ROLF SPECIAL CONGRATS!!! With VR6HI he made "FIRST EVER" foreign 160m DXCC. (KV4FZ/NA made it in '75 but not foreign) His Certificate #14. Sez "BIG THRILL reaching goal after 8 yrs of QRN & lost sleep!!" - WELL DONE Rolf, w/patience, perseverance, insomnia!! Saludos/Congrats and CHAMPAGNE to you (Now 103/100), ALSO!!!, for "FIRST EVER" "WAS" 160m by any DX outside of NA. (Item 2. pge IV Bull #2 was error-should read, outside NA). No.1 foreign 160m "WAS" outside USA was VP9JT who completed 6BWA5, inc 160m 29JAN78, ARRL Cert #29000 w/W7TO Last QSO. CONGRATS to BOTH!! Rolf sez AVERAGE distance for his DXCC QSOs was 6820km/4260miles, 17 of which were over 17,000km/6250 miles!! Rolf Bn away a lot - also moving to new quieter QTH. Wl b QRT lil longer. Sez friend 5Z4KL/Kenya outstanding & 73 160m sig and now GM3ULB wishes to be remembered to all the 160m gang!! Just "Fine and Dandy" hope bcnu agn. LU GRUPO ARGENTINO de CW Bull #12 May/June '79 gives 160m big boost. LULDZ editor/LU6EF. Excellent SA ham MULL/Mag. DZ/Alberto sez LU9EIE made "FIRST EVER" VR6HI/Pitcair LU/160 Qso. LUs active on 160 LULDZ, ECM, DAU-2MAG, DMV, DBV-6AMW-8DIO-9EIE, DAB, DWC, EDO. VEF!! Keep up the good work "Al" -Alberto om. Alberto made "FIRST" LU/UA1DZ on 1850 & Nw is DXCC 45c/39!! LU9EIE "FIRST" VR6/LU & LU/OH QSOs!!!!!! CW/MAURICIO/ROSANA-CONGRATS!!!! VFB Jr/Op arrived!! 6 Mos Nw & Mauricio already has key/buzzer ready for code practice!! OM Vy QRL @ TELERAS RESEARCH. Presently leading group in Microcomputer wk sez 160m Cdx Bn poor this summer, but Hrd W8LRL & PA6HIP once. Fighting a very bad NOISE problem.

WEST COAST - TRANSPACIFIC - OCEANIA - JAPAN - ASIA

W6BYE/7-JOHN Sez; "Thot was gg Hv complete blank '78/79. but this spring unexpectedly wound up with KP4AM/D, KZ5GXT, VP2VI, VR6HI, FO6XA and! H44DX!!! - Gave me new outlook on life and DX!! Great & VFB!!

W6AW/6 JOHN DOREMUS became "SILENT KEY" May 16th fm heart attack. A real 160m enthusiast, fm San Jose area, Cal. Originally W2ADE, then W2IA and W6AW, he had just retired to W6, w/plans for big Ant farm, 160 especially. He made 160m "WAC" '78 wkg ZE7JX/Peter, (also 'Silent Key' since), and ZS6DW/Bill of his '78 visit to K1PBW, Ernie Sez "We discussed everything fm pyramid energy to Bio-Energetic M...owa research. His curiosity knew no bounds, matched only by his toleration for all living things & realms of thought. We Hv lost a fine friend and one of the all time greats on 160" (Txn Ernie). John WAS an exceptionally FINE fellow - a brilliant HAM and Electronics Engineer, a friend and help to many!! It was a privilege and unforgettable occasion when he visited W1BB '69 w/ his brother DON/WALCJY, Chas/W2EQS and Gene Zimmerman/K1ANV who flew up here with him in his private plane. Wherever he went he left friends and good memories. He will be DEEPLY missed by all of us, and his MANY friends, everywhere. Sincere sympathy to xyl "Dotte", Son John, Daughter, Brother Don and family.

SEPTEMBER "EQUINOX" was on schedule with it's goodies! ZL2BT,BII/mm--VK6HD-VK7BC,LZ-VK9NI (Qso'd by LRL&PBW).Equinox start,sigs "in" for only 4 to 5 minutes w/weak peaking. But near Eqi/Center, sigs "in" often 15 to 20 Mins & strength occasionally up to 589!! K2GNC/BILL had 28 Qso w/VK/ZL Equi perio His "Mini-Bev",260' long w/vert/Tx ant wkg VFB!! - VE1ZZ(Believe) QSO'd VK5BC 579x2, anyway, VE/ls rarely get to ZL/VK!!! W1BB/l on the farm, near Eastport Maine, the most eastern point in USA, (Also quite Northern), had solid 56/79 Qso w/VK5BC,VK7BC-Tasmania. K1PBW one AM, wkd 7VKs in a string. ZL2BII/mm-Roger, on Ferry fm Wellington plying between N & S,ZL Isla, w/100w & random LW, over salt water (Shipboard) was up to 589!!! Even So VK6HD sez"Best Yr to Eu/poorest to USA!! Equinox Cdx "Petered-out" about Oct 6th. Spring & Fall Equinox very thrilling 160m DX events!! BCNU in spring!!!

KL7JEF/vl-MARY,ALASKA. "WOW!!", WHAT A WONDERFUL 160m START!!! 160 lived up to it's reputation for great/unexpected supprises!! While back, W7TO wrote W1BB tt MARY interested 160, maybe little encourage-ment wud help. BE wrote JUN23. July 28 Mary replies, Sez!Got my strange 600' LW ant up. 200' of it up 10' to 30' off gnd. 400 Ft of it laying on grnd in coil. Was tuning arnd w/FT101. Hrd sum CW so loaded up - gave my call. He Ans'd!!!! My VERY FIRST STATION ever on 160 wkd was 5W1BZ/Western Samoa. Believe it or not!! He cld me, no pileup, no sked, just CHANCE!! Was I THRILLED!!! Next he wkd Wb7EXZ then KH6ILA, then QSB out! Hope I can do THAT agn!! Also hope to make KL7 not so rare" CONGRATULATION Mary!!! Really "SUPER"!! Welcome to 160m. You're gg to be a popular 160m/DXer!! Hope G.L. holds.73/88

W6DAO/BRAD DXs "THE HARD WAY" on CITY 1st 80'x280' (E/W). Has 64C/32.(Bemoans poor QSL response! Sez "Really enjoy 160-so many UNIQUE challenges to City Dweller (Yeah,W1BB & Otrs KNOW whatcha mean!!) Gives GREAT THRILLS, reward for diligent listening/ant wk etc!! Feb29G3SZA 45 onSSB. My sigs 33 w/homebrew 90w. Eu dwn 40% Over 78/79. KH6s scarce, June QSOd VK2KC(K1PBW) 5x5/ssb,5x6/CW. July, first time 9 yrs E/Coast sigs so good. BE Peaking 579 15th. Real Prblm L.A. areaw/local QRM & Poor response to band agreements here. We NEED partitioning!! (SUGGEST write to local Directors - they have initiat W6XM/ED Apr w/son in HK3, visited HK3BOG. Fired up his 600' Rhombic 4 hrs May6 - Hrd N4ND R9/1807 bt cldnt raise. Band open bt no otr DX hrd (Sri). ED got swl crd fm UA6-10883 on his Qso w/ KL7HFV!! Has new "L" & "T" ants. Likes T especially. Pushing for CW.PHONE PARTITIONING, esp on West Coast, where SSB boys Hv taken over the whole band and will not "Cooperate", or make "Gentlemen's agreements BEHOOVES all of us to work for partitioning, thru our ARRL Directors, esp for after WARC' GL Ed Tax.

KH6IJ/NOSE ON We'all R happy to hear you Hv made excellent/progress-recovery fm severe shock and getting bk into swing of things! Due no small part to your indomitable spirit, and the "T.L.C." Gvn by faithful xyl MATNEYO. VFB!! Hope bcnu agn/160 one of these days!! GL & 73 de all the 160m gang!! W7TB/LEW-CONGRATS "FIRST EVER" Tonga/USA 160m Qso w/A35DX/Barrell 1315z,SEP21,579x2!! Otr goodies KP4AM/D,VR6HI,KJ6DL,TG9ML,VR3AH. W/ hard QTH in canyon, lots QRN, overcomes by trying various ants! KL7GCH/CASEY Moved Fm "Boondocks" to Dwn town Kodiak, in Apt Complex. Bt has 160m Ant in ATTIC!! Sez "Wks fair" !! Sez KL7HBK active/160 - he wks for RCA & has any one of their three towers available. Just started 160 - gets out quite well. SOo here's chance you Fellers for your KL7. Write. Tax Easy!! VE5JQ/Dr. John W1 b on 79/80 w/Yaesu FL-104/FR101 & Shortened Vert. Shud B Vy popular w/tt rare call! Welcome to 160 & GL!! Wb6ZYK/SAM Sez"Cdx gen poor - but wkd ZL,JA,VP2,VR3 etc, w/70' top/loaded Monopole, 15 radials,50'x100' gnd screen w/14 rods!! Tried numerous Rx ant, bt think big Tx ant PLUS my special "NOISE REJECTOR" does the best job. VFB/Sam. AC7D/BILL Tucson Ariz,active 1 yr. wkd VR3AH,FOXA,KP4AM/D,VR6HI - 'going to town', eh!! fb/gl VK3MR/"Snow" Did well,CONSIDERING Cdx '78/79. Wkd AA1K,W1BB,K1PBW-K2GNC-W2KFG,QG-W3ENS-W4BVV,N4EA-W5FU-W8ANG-W9NFC,CG. Homebrew 6146/813 w/ Rhombic 320' long. Visited VE5KO/John Fr week-hes FB. Congrats! W7JGL/BILL Bn "Washed Out" 160 by adjacent Trailer Pk w/many electrical appliances, TV Birdies, Pwr Line Noises. GG Try his mt cabin 8000' Elev w/vert & BEVs whenever poss. Sri Tble. Aint no fun - Tizit?!! W7NCO/Geo uses 160 mostly fr ragchews/relaxing after DXing HF, bt has 20C gg Mobile/160 Nw. (Hope you observe CW W7BYK/BILL "Slow Season", bt picked up new State.5 to go Nw fr WAS. DX:: 5W1BZ, KZBZF "The Blooming Zipper Flipper" sez his Inv L Nw 74' High w/Excellent Cpse."Listens" a lot Btr & gets out too --SOOooo Lee we'll be "all ears" for you this 79/80 season. HAPPY TIMES on 160.

JALUDJ/SHIGEO "W9UCW's 'MINOOKA SPECIAL" Ant wkd SUPER Fm MILLISH/VK9ZR, (Jalkso/op), good QSA to JA land w/e linear. Hope to hv one himself. Wkd VK9ZR, 9V1SR, VR3AH & happy!! vfb! W7TO/DAVE trying to form 160/CW NET write him! Sez wkd YL/MARY/KL7JET on 20, she may cum up on 160. (SHE DID!!) - we NEED mo KL7s!! DAVE picked up VALIANT for \$50. which he sez works VFB indeed on 160. (W1BB has them too!

DXPEDITIONS

"MULTI/COUNTRY" DxP -APR- de Wa6VNR/JOE: GAMBIA/C5ABZ no 160 lnck.Noise/Harmonics. Hrd G3SZA Vy stron SENEGAL/Wa6VNR/6W8 w/twin lead marconi, 35' apex, 100w wkd W8LRL, W1BB, N4EA, K1PBW "all loud" K1PBW VERY loud. wkd N4PN. All these, the last night. Great way to end trip! MAURITANIA/5T5, hd lic. bt ran opra time & \$\$\$."Tnx to all who tried-ext time w/ hv btr ant!!". GREAT "DO" Joe, under vy poor condx!!

GALAPAGOS - WalsQB/HC8 Chod Harris, managed a few 160 QSOs fm HC8GI Qth w/40' Ht dipole. Big prblm, Power turned off 10pm local, altho one nite a bottle of rum to right hands, extended shutdown a few Hrs!!" Fb/Tax!! CHOD/Ex.WalsQB/Wb2CHO/C5AAQ/6W8MM/8P6LJ/VP2SE/VP5CHK, Nw moving permanent to VP2MAY Sep 1. A "Murphy's Maurader", is regularly in TESTS. 160m skeds otr times. Visiting hams welcome!!

FG/DDV/FS7 (St Martin) June NJDXA DxP Vy successful, esp 160m w/Ed W2FZY wkg all 160m takers! Same DxP in '77 made only one 160m Qso. Sez "Hd Btr Ant this tme - only, "Participation" low!! Used 300' sloper 200' Hi S/end & 40' N/end! Otr band ops W2AGW, QM, JB, OEH, DIE-8GT. CONGRATS Ed/Tax!! Where next??

BEATA ISL HILROD DxP went off Vy Fb EXCEPT! 160 stn hd serious trble w/GEN Only able Qso YV1OB, KV4FZ, H18XDF & N4EA. Then QRT. Jan27. Great TRY anyway Tim/Tnx!! MONTERRAT-W1FB/DOUG to be VP2M lat 2 wks in Nov @ VP2MF's Villa. Hope gv "new one" to a few anyway! Fb&GL/Doug!! *GALAPAGOS Pse*** note calls wkd::K1PBW, W4PZV, N4JJ, Wa9EYY, K5YY, K4UEE, Wa6ZHH, W8CNL, N4NZ, N4EA, W4EZ, G3SZA, W3GH & few Otrs! N6DX/Darrell Congrats on an especially ambitious & Successful 5 weeks all band S/Pacific DxP to NH6, NH8, 5W1, A35 & 3D2 w/special emphasis 160m GREAT/TNX!! Wkd by Ernie/LRL/Otrs. INDIAN OCEAN DxP w/160m by K5CO/SCOTTY and N2KK/DAVE to J28 during CQ/WW, FR, 6p1, 5R8, 3B7, 3B9 & Otrs Starting Nov 15. W1 use 160 wherever poss. Donations hoped for via N.Cal DxAss'n!! HB9NL/FRANK (HB9NL) Did Fb Job putting Lichtenstein on 160m agn -(Every Yr Since '69) Giving "New Ones", Sep29-Oct14. Did well, spite poor Cdx & Low participation. VFB/Tnx!! FP8AA/JOE (W2BHM) Did great trick wkg DX/Gvg "New Ones", w/excellent sigs fm special 50' Tower erected by himself on arrival!! "Saludos"!

CONTESTS

A PER/160m CONTEST STATION - VP2KC/KIT On St Kitts Isl. "Saludos" to Ernie/VP2KAD (K1PBW) for his master/minding & building 160m sect w/assistance fm N4PN/PAUL (VP2KAA). N4RJ/VAL (VP2KAC). Designed for top performance/all bands/contests, 160m has 130' Vert, scads radials, beverages, into R4C. Prelim tests show wkg "Top-Notch". The rugged vert, & Ernie himself went thru hurricane DAVID, shaken badly but not broken. CONGRATS/EXCELLENT wk all the way. (Ernie wkd on 80m stn also!!) A fine spring/summer wk of planning/coordination/procurement/building/testing. By Nw VP2KC w/ hv shown it's mettle!! in oct 28/29 CQ/SSB Test. They w/ also B on fr CQ/WW/CW Test Nov 24/25. 160 Op/K1PBW (VP2KAD). GL/All!!!

73 MAGAZINE SPONSORS BRAND NEW "ANNUAL" 160m PHONE CONTEST!!! Jan 19 0000z to Jan20 2400z '80!!! Organized by Wb7BFK/BILL, '73Mag AWARDS & CONTEST Mgr, through inquiry letters to "The Gang"-now finished. Wa2GZB/Dan is Chm & w/ handle details. Write for info PO Box195, Andover, NJ, 07821-also see 73Mag. PHONE ONLY, the 48US States Vs all others. 1op/1 Tx, 30hrs or Multi/op-1Tx 48 Hrs. Rpt "RS" plus State or C. 5pts each/every QSO. MULT 1 fr ea 48 States. 3ea DX/C outside Continental US. Score Pts X Tot/Mult. Rpt Feb20 w/log/gupe.summary, Mult/Check. MUST respect DX WINDOW!!! AWARDS Ea State & C.

CQ Mag 160m CONTESTS * CONGRATS, Frank Anzalone/W1WY & CQ/Contest Committee for your excellent handling of the contests as pertains to 160m. Always staunch supporter 160m which we 160Mers appreciate

1979 OE/160 TEST COMING!!! Sat Nov 17 1900z to SUN 18 Nov 0600z. DX calls, "CQ-OE". OEs call "CQ-TEST". Msg-RST Plus QSO #. 1pt/Qso. MULT 1 Ea C, 2 Ea OE Dist 1 to 8. Score Mult X Qso Pts. Rpt in by Dec 15 % OE6SFG. For Info write OELKU - Tnx Willy!! We hope for good condx, "for a change" !!!

GENERAL

W1BB sez ABOUT NOISE -"It is a joy each summer, to listen to & wk 160m Dx fm my fairly remote & isolated farm QTH in MAINE, near Eastport. (Most Easterly point in USA-also quite Northerly) Band NOISE condx there are SOOOooo... QUIET!! At night, NO ambient Noise Level or "Electronic-Smog" at all - S/meter goes to ZERO - except on static pips, when it bounces up - but then returns to ZERO. (Unless static very intense). The weaker Stns can be heard & Read!! Like hearing a mosquito in the quiet of the night, weak but distinctly audible - Q5 copy!! When I return each fall, to my QTH in suburban BOSTON City, I hv to "Gry in my Beer"!! HERE noise runs a minimum ambient, between S3 & S6, often more, depending!!, covering as with a blanket, many weak sigs entirely! FRUSTRATING!! W1BB Votes, the greatest single factor towards wkg weak Dx, is a LOW NOISE QTH - a remote spot -away fm man made NOISE & this is more important than special receiving ants, beverages, etc. EXOTIC Rec Ants help a LOT, & do at MY QTH, but if you start with ZERO ambient Noise & Good average Tx & Rx ants, you can hear and work most of the weaker Dx quite regularly!!

148/148

WIBB RETIRES from "MAXIMUM-EFFORT" DXing ON 160!!! (At DXCC 147/147). Primary Reason, would say, is that "Maximum-Effort", at age 75, beats up the old carcass enough to spoil the "Joy of Living" every precious day and hour, with "Pep, Vim & Vigor" - (The older one gets, the more precious they become!) - while enjoying one's other manifold duties, obligations & pleasures of life!! ----- WIBB will be however, quite actively "Present and Accounted for", in many ways on 160 - couldn't and wouldn't!!, give up entirely, such a wonderful life-long pleasure, Challenge, and big part of a happy life!! Explaining a bit - The "Pace/Tempo" of DXing on 160 has increased considerably, from what this OM has enjoyed in "The Good Old Days" of many years, when we used to take our 160m DX, "As, If & When" it came of it's own accord -- to quite a "High-Pressure" operation now, many times, IF one is to give it the "Maximum-Effort". This includes 'Alerting' procedures, all hours of the night, all over USA, (Rare one on/expected!) - via landline tel - even across the Atlantic. It includes operations & skeds especially when chasing many DXpeditions, that means ALL, or MOST/all night, sessions, anywhere from one night, to a week or so of nights, in a row, 'Chasing' the elusive one!! Sometimes, waiting in line for contact, sometimes long enough so your own peaking time passes, and eats up SOOOOO much sleeping time. This sort of extended, "Maximum-Effort" is especially "Ruff" on OOTs!! Everyone will find this out for himself someday!! ----- OTHER reasons:: It is impossible to DX 160m satisfactorily, at my HOME QTH, on a 50'x100' suburban lot in a high density population area, within the City of BOSTON's "Electronic-Smog" blanket. So to get to a better location, - (Not the quietest by any means), it is necessary to drive 1 1/2 miles to my "TOWER"/1 160m DX QTH, beside the Atlantic Ocean. This short trip many times raises "Problems", especially in WINTER, during the season's peaking DXing Conditions, with storms, high winds/gales, sub/zero temps, severe "Chill-Factors", slippery roads or deep snow on the Tower Hill. Other problems too, with vandals, gangs, dopesters, drakers, hanging around the Tower nights - was actually locked in by them once last season. Additionally, as the saying goes "You're apt to catch pneumonia, getting out of a warm bed and going out into the cold stormy night!! (More so at 75, than 35/45 - Hi!!). ----- ALSO, Marguerite needs more of my time now, because of a long lasting and painful case of shingles. --- SOOOOOO....., it seems the time has come when it is well to remember that often "Discretion is the better part of Valor", and avoid some of these hazards of pushing oneself to the "Limit". ----- Reference this BULLETIN - future undecided - Hope to continue a while longer - However, like Hugh Cassidy's WCDXB, the time will come when it is just too much - With me the choice may well be: BULLETIN and not enough time for DXing!! VS, Curtail Bulletin, (or eliminate,) and have more hours for DXing. Could well be!! Time will tell. Really enjoy doing it too!

WORD OF CAUTION on special "Low Noise" receiving antennas - Put them as far away from your vertical, or semi-vertical Transmitting antennas as possible - at least one wavelength - otherwise you'll pick up the same NOISE & CRUD, re-radiated from the Tx Ant, and will be very little if any ahead of the gam

ANOTHER ADVANCE ON 160 As Ernie/K1PBW sez "The season is never over now" - (Formerly used to DX winter only/mostly) - which is right!! Actually DX always seemed best to the South Summers anyway, BUT now days, with the much greater "Capability" of many stations, worldwide DX is possible and being worked the year round!! Congrats to those doing it, for the technical accomplishments to make this "breakthru

MORE ABOUT NOISE (The "Bugaboo" of so many 160m DXers) -- During the "DEEFPREEZE" blitz fr 2 wks last winter, w/temp 0 to 10F "Below" - winds up to 40mph, "Chill-Factor" to minus 40F, all the hundreds of oil burners running constantly in high density population areas, gave out continuous "HASH" up to S6&7 etc that blotted out most Dx. All round HAMS were hrd commenting on this. (Also saying they clndt stay in shack-top cold!! 160 was sparsley populated than!!) Pity the poor guys w/ "HIGH-LINES" running close by too!! "SALUDOS" to them for 'Sticking with it' & wkd DX in spite of the severe handicap - meeting another of the CHALLENGES of 160!!

CHEERS!! G6BQ/JACK is back on 160 & recovering nicely from a SHOCK which affected for a time his ability to send his usual favorite mode of CW - wkd him Oct 21 - & fist seemed just "Fine and Dandy"!

WHAT I LIKE ABOUT 160!! THE CHALLENGE: You wk for days, months, years to perfect your station's "Capability", so that in a few short moments, you can hear and work that RARE station. It is always a CHALLENGE to do better, develop more and more capability so that you "MISS" fewer!! Even so, you miss TOO many!! THE THRILL: that comes with hearing, working, and dragging that incredibly weak signal out of the noise level. The thrill of accomplishment, knowing that you are gradually doing better against greater odds. THE SATISFACTION; that you are sort of still participating in real pioneering work. The FUN of adding another Country. THE PLEASURE: of knowing that another brother HAM at the other end is just as thrilled as you are!! THE TESTING: constantly of your own ability keeps you "on your toes". THESE and many other facets, like frinstance Hvg YURI/VE3BMV drop in this week for a Great "Eyeball"/160m discussion, Etc!! These are WHAT I LIKE ABOUT 160!!

SOOOOOOOOOO..... Guess that does it for now

Agn!! - A REAL HAPPY SEASON on 160 - and BEST OF DX LUCK!!

73 de Stew/WIBB and xyl/Marguerite

May 24 1980

PYLRO/Rolf om

HERE 'TIZ and hope you find something of interest herein!!
HAVENT had much news, or signals from S.A. this time, and
PYLRO is conspicuous by his absence!!

COINCIDENTALLY however this morning 0040z when I was on for WPX Hrd you
579 CQing - answered you - no reply - you either QSB out quickly,
didnt hear me, or had Tx trouble. However same thing happened also
with LULDZ, and think band simply went out. Not a peep after that.
Understand the boys worked you the previous morning - Saturday -
but Marguerite and I were up in VERMONT, so I couldnt be on!! Anyway
it was GOOD to hear that familiar signal again, and 57/89 too!!

MARGUERITE is recovering SLOWLY from her SHINGLES, but complicated by
some arthritis also - but we feel lucky in a way, because it
could be worse - bad as it is. I'm fairly OK - nothing wrong except
"Old age slowly creeping Since 1932" on!! Hi!! HAPPY DAYS Rolf om.

W I B B
Stewart S. Perry
36 Pleasant Street
Winthrop, Massachusetts

MAY 1, 1980

W1BB --- 160 METER DX BULLETIN --- W1BB

73! de Stew/ 1979/1980-No.2
W1BB

de W1BB/Stew --- When the time comes, much as I think I should, I cant seem to drop, this twice
yearly Bulletin on 160m DX!! I feel impelled to share the many good thoughts and items that come to
me from so many of you good fellows, as well as some of my own - SOOOoooo... Here we go again!!-----
We all Hv Bn meaning the "Poor Condx" - and they have Bn poor!, the worst many of us have ever
experienced. Band closed entirely for long periods of time, high noise, low 'participation'. HOWEVER
much good DX HAS been worked!! That is the BRIGHT part!! And for many, the poor Condx hv made the
CHALLENGE and the SATISFACTION wkg DX GREATER!! For example PAPHIP/Willen is 110C & sending his crds
for DXCC!!, DAVE/G3SZA, 110c/95 - GD4BEG/MIKE 104c/93, both waiting for USSR Crds! Ernie/KLPBW now
141/129! 8LRL/Wal-see Apr/QST/ARRL-160 Test/WINNER!!! w/130,674 Pts - Nuff Sed! WOW!! W1BB/Stew Nw
152c/150. W2EQS/9 107c! KH6CC/Jack made WAS, 3rd/Ever outside Continental USA. (KV4FZ/#1, PYLRO/#2.)
K2GNC/Bill Ovr 100/needs few crds. Wa4SGF/Ed made FIRST!! (And probably ONLY for all time) MOBILE/
"WAS"/160!!! Sum DxPeditons Bn Gud, sum NG fr 160. OUTSTANDING CQ/WW/SSB by Ernie/VP2KC. 539 Qso,
(W/ve-70Eu-2af) 47C/11Zones. Single Band score 67,338 breaking ALL existing records Phone or
CW WHAT A station!! Congrats Ernie/Kit! -- But HOW gud or bad was '79/80?? W1BB's "Barometer"
reads, as of MAY each season::: '79/80-54 Countries/142 different DX Stns/Qso): '78/79-57C,156Q ::
'77/78-57C,184Q :: '76/77-66C,187Q :: '75/76-62C,166Q :: '74/75-57C,180Q. Definitely "Down", but
Not too bad!!----Band "Cracked wide open" svrl times, unexpectedly, Once Mar 14/15/16(Equinox time),
Europe/USSR etc -W.Coast/KH6 etc BOOMING in!! BUT! only abt 20 W/ve on-pity not more!! One must be
"Johnny on the spot"!! This LOW "Participation" accounts for some drop in DX. Cant blame gang fr
"Making hay while the sun shines" on HF Dx!! Getting their 4,5,6, BDXCCs, otr trophies etc figuring
to hit 160 lower part of cycle when chances Btr & HF Dx dw! RSGB's E.P. ESSERY/G3KFE staunch
supporter/160m sez, big part reason G/Land participation drop due to NEW Licensees NOT starting on
160 as fermetly, when w/fairly Gud ant and bit knowledgeable abt 160Dx wud B thrilled trying for W
QSOs -(Remember "First Timers" nights,,) NOWdays they go on 2m, wk "DX" thru repeaters, (Which in NO
way is contact betwn two stas at each end!! ANYWAY, "So be it" - less G/Hams on 160. --- The SPRING
MARCH Equinox path to Oceania opened quite regularly, BUT sigs much weaker than usual, Peaking times
VY short-2 or 3 Mins - occasionally 1 Min. Interestingly, an early risers 160m SSB net :W2GO,K3LGC,
W8LRE,W9YWX,W2PIX,N4MCU,K2JH,K7DHD,W2PIC,Otrs - quite few times made contacts w/ VK stns 4TM,5BC,2WC
Otrs!! ---- BIG NEWS of yr - successful outcome of WARC wherein present status preserved, and to b
expanded "in due course of time". We are all THANKFUL for this!! The boys handling our cause did a
good job!! Already, ADDITIONAL countries are on. USSR,OZ,SP,Otrs, more to come!! ONE pressing
problem that many feel must be settled, because of increasing QRM on 160 between SSE/CW, is the
matter of "Partitioning" the band into CW and SSB segments. Many write expressing this feeling.
W7FS,W6RW,W1BVL,G3HZL,Otrs. At present our band is NOT a HAM band. It is a Govt Services band with
HAMS given "privilege" operating there, if we cause no QRM. It likely cannot be SUB-divided, until
it becomes an Amateur Band, maybe couple yrs or so. Thus far, seems our best approach is to send
our ideas to ARRL via ARRL DIRECTORS. W1BB,Otrs, Hv already done this. Get YOUR ideas in!! (W1BB
would be glad to Hv copy your suggestions). Best way is to draw out a BAND CHART and indicate by
su...viding spectrum chart w/lines and titles. Send w/explanatory letter. MEANTime, may we all
kee... and support our "GENTLEMEN'S AGREEMENTS" (More on this later), to keep 1800-10 for CW, 1825-30
for "Dx Window" and rest SSB!! ----- SOOOoooo guess that about "Wraps-up" '79/80 Season, except
for the N6DX/N2KK/JA1BK Oceania DxPediton Apr/May, and some hoped for skeds First, and Last weekend
of June by ZS5WT/Don!!

HAPPY SUMMER to 'Yall -, with some 160m DX thrown in!!
73! de Stew/W1BB, and Marguerite.

II

GENTLEMEN'S BAND!!!!?? --- Shall we stress the importance of keeping this UNIQUE band, "The GENTLEMEN'S Band", as it's reputation has been for so many years, Just that??? We're having sum"rowing pains" with big influx of New-Comers, who are not yet thoroughly steeped, (and maybe never will be), in the tradition of the band, or cognizant of the advantages to themselves, and to ALL, to keep it so!! SEEMS that each one of us who enjoys these unique advantages, and the thrill of 160, should wa to, individually, help to keep it this way -- by contributing all the "input" in this direction we in - by welcoming, educating, befriending, exhibiting a good example, and Winning the same support from these New-Comers. Meanwhile being sure of our own motives, and the example we give is correct and right - to acknowledge our own mistakes, and not make them twice. As "Gentlemen" of 160, shouldnt we try to MINIMIZE the bickering between CW/PHONE, and to find ways to cooperate with each other in eliminating friction and QRM??? By meticulously RESPECTING the "Gentlemen's Agreement" that 1800-10 would be CW --1810-25/SSB --1825-30 the "Dx Window" -- 1830-1850/SSB and CW. Seems like a really Gud set-up, especially for phones, since all other bands do not have an exclusive phone segment!!!? BUT!!! we must remember that NO-ONE has any "LEGAL" requirement to respect these Fys - this"Gents" partitioning, because the "status" of the band --- it is really NOT an Amateur Band at all!!! It is a Govt/Services (USCG/LORAN) band, wherein we Amateurs have the PRIVILEGE only of operating there,] IF because no QRM to the Govt Services. For this reason it cannot be, and is not legally partitioned into PHONE/CW segments. SO that, our only hope of "order" is in this so called "Gentlemen's Agreement SOOOooo...!! one MUST NOT tell either CW,AM,SSB stas to "get the H...out of there". In the first place, it is the wrong approach anyway! Secondly, each one had as much RIGHT to be ANYWHERE he wishes as anyone else!! It is a problem of educating to the advantages and winning everyone's RESPECT for these frequencies! ---- My experience over many years, is that 99% of the 160m men are real good guys, ready & willing to cooperate, for the good of all, IF they are treated fairly and with RESPECT ---- We've run across only a few selfish, cantankerous and sour individuals, who insist on their "Rights", regardless of how much it hurts the other 99% --- One must exercise a LOT of restraint, patience, perseverance when this happens, not to be "Touchy", or over sensitive, with these QRMers, understanding that outside of the two or three "stinkers", the problem is mostly through ignorance, carelessness, and not intentional. We have to CONTINUALLY educate and help them and each other. REGARDING the two or three "Stinkers", the INTENTIONAL QRMers, with their strings of dots/dashes on Fy, swishes, modulated noises, intentionally calling CQ on DX/Fys, In Window, etc (See QST/MAR p9 "Malicious QRM")-- Even here my experience is that "patience has it's reward". The BEST WAY to handle them is TO PAY NO ATTENTION WHATSOEVER - NOT EVEN MENTION it or them over the air. After a while, not accomplishing their mission of causing trouble, annoying, or "Stirring Up A Hornets Nest" they get tired and go away. -- The WORST thing to do is to TAKE NOTICE of them, talk about them, call them names, retaliate, etc - this is JUST what they are striving for. To make acknowledgement of the trouble they are causing, only makes a bad matter worse (This applies only to the INTENTIONAL QRMers)(Others, it is helpful to acknowledge and try to help.)One of these "Stinkers" on the West Coast, has been caught and punished severely. There'll be others surely, as we perfect means of detection and "coping". Additionally,"Stinkerism" has it's own reward!! Many New-Comers to 160 are heard to say what a difference and pleasure it is to operate on 160, compared to HF bands. Let's keep it that way!! We can, with patience, perseverance,tact and understanding. OK?? Comments??

APERTURE THEORY --- A long time ago, someone mentioned to me "THE APERTURE THEORY", as applied to antennas for L.F. -- To the effect that in liquid flow, the bigger the hole (aperture), the greater the quantity that would flow through it. -- Likewise, with antennas, the BIGGER the antenna, the greater the amount of signal it would pick up, and the better radiator it would be. -- Over many years of trying out various antennas, to me, this "theory" seems to be confirmed. -- This seems to be a failing of many "Low-Noise" receiving antennas - they arent big enough to pick up a sizeable signal input. Small conventional LOOPS for example. (Delta Loops seem OK!!). Wire antennas too short to be resonant without load coils, Long wires, that arent long enough. --TRUE, the signal/noise ratio can be poorer, but everything I have tried, seems to confirm that the bigger (and higher the antenna on 160 is, the better it will work - up to a certain point. But for digging out WEAK 160m signals, the greatest dividende seem to come with the BIG antenna, and concentration on improved receiver "Dynamic Range", increased selectivity - but not too high --(too high kills weak signals)-- and good Audio devices to help separate the signal from the noise. The R-390-A has an exceptionally good audio filter - there are others - including Wb6ZYK/SAM's "NOISE REJECTOR II" (SEE Pge 74 Feb '73 Mag.), that help a lot. OF course, the best audio filter in the world, is the human ear!! Training and using them WELL, in conjunction with a BIG APERTURE Ant and HIGH dynamic range receiver, with good audio filter will make it possible to hear and work MOST of the very weak ones. With a BIG receiving ant, and a QUIET QTH - it is "Super" !! On my farm in Maine, with horizontal Vee, 500' on each leg - up 35 to 50', resonated with ATU & Open wire feeders, Can hear "EVERYTHING" !! (Antenna should be resonated to operating frequency of course, close as possible) (A BEVERAGE antenna is of course, a BIG APERTURE antenna, Low, 10' high or so, in QUIETEST area)

W4SGF/Ed's MOST UNUSUAL/DIFFERENT/DIFFICULT "FIRST-EVER" (And probably "Only-Ever") 160m MOBILE WAS Completed near Thanksgiving/'79 after 5 Yrs continuous work, by QSOing KH6CC during CQ/WN/Test w/ a 449 his 50th STATE!! Ed sez "unsuccessful wkg KH6 fr Fla, so drove 500 miles to Tenn Mts, W4/ near Clanooga, found real high spot - nailed KH6CC aftr his CQ, B4 anyone else found him, for a 449. (He 59...). AT LAST!! CHEERS!! Used TS820s & Minooka (W9UCW) Ant. Many Tnx to everyone who helped, wkd, & encouraged me!! Without ur help would'a Bn "Nil"! Appreciate. Nw next GOAL WAC/160m & only need ASIA -so back to Tenn!! To it's Mts this 1980" ---CONGRATS!! to Ed on this "Super" accomplishment-SALUDOS (Ed's DXCC/160 at home QTH is 76C/64. DXCC/MOBILE is 54C/41. He got No.5 WAS 160m 1970 fr Home QTH!!

#8JI/TOM Bn gg like "Houseafire"! Fall/Spring wkd VK/ZL 6 out of 7 days, also VR3, VK9, H44 and SSB w/ VK2AHK, VK5EG 2x59!! Fall/winter 4U1, G, GD, PA, HB9, UA, UC, UK, UP, SP, DL, EI, ZS6, OK, F6 Otrs plus "Dozen or so JAs. Sumtimes JALMCU, 3ONB, 7NI, 2GQO, hit S7 or Btr!! Phased Loops outperforming beverages for Rec" Tom suggests "Dx move to 1850-1860 becuz of many new ops and band saturation 1800-1850 (QSL Direct 8JI, W9PNE/BRICE Bn Vy QRL family sickness prblms, clearing somewhat Nw & w/ Hv More time for 160. Lkg Fwd Retire Jan '81 at 62 & MORE time Operate/test ants/skeds etc! Nov/Dec wkd GD4BEG, G3RTY, SZA, KH6ILA Hrd; F8VJ, DJ8WL, G6BQ, CO2JA. His LW Ant fed as T VFB!! Trying 50' TV Tower, w/top feed & radials, seems gud. Had weekly sked W/G3PU 28mc/compare notes! Great to Hv U bk on 160m Brice on!! RETIREMENT SOON!! W2EQS/9 Chas CONGRATS!! by his perseverance/Vim/Vigor-help of friend - persuaded FCC allow retain his W2EQS call (In lieu W9NFC FCC assigned). 'Twas long hard road, all the way. Gratifying to hr his famously familiar call Nw, and w/ B always!! GREAT! We're all happy fr U chas. Nw U retired, shud Hr it Often! Uses Drake Twins w/ 130' Vert, or his trusty "Gold Plated Dipole". 160m DXCC Nw 106C!! VFB!!

VE3BMV/YURI Visited BB Oct. GREAT "Eyeball" & "Cooks/Tour" WIBB "TOWER" etc Ant discussions and "What have you". Is trying 1/2 SLOPER on 160 - bit trble getting SWR Dwn below 2:1. SEE!!! May CQ for YURI's NEW PROPAGATION THEORY based on Refraction & Conductivity on borders of media having diff dielectric constants, rather than generally accepted reflection theory!! Hv U noticed Yuri's new 15 meter "RAZOR BEAM" photo front cover and pge 90 of March CQ?? Wish 'Twas 160! Great stuff Yuri!!

UB5VK/YI Sez USSR Stns active 160m all time Nw UA1, UA6UB5, UC2, UP2 Otrs. Special OLYMPIC PREFIXes::: RW1, X1, Z1, X3, K5, M3, L1, T1, Etc. SPECIAL EVENTS U3MSK-22Mar. U4ULJ-21Apr. Plus U1PSK, U3MSK, U1LEN, U6KRK, U4KAZ. UT5DL Most active Stn in W.Ukraine w/ Full Inv V, 70' High. Mostly found 1850-55. QSX 1800-05.!

HOW'S YOUR RADICALS???? W2EQS/9-Chas sez young New-Comer to 160 asked him how many RADICALS he had up r his 100' vertical!! Chas very wisely ans'd, presumably with a chuckle, "Quite A Few" !!!

W1DEO's/Herb's Great Plans include a 5 acre Island off Maine Coast w/Verticals/Radials/within 100' of sea & 15' asl -- QRP/Batteries/Wind Charger/super quiet QTH. HERB cant'Cha get "NEW COUNTRY" status

W1LHT/Ralph (ExW1LHT) 160m long time DXer, DXCC/160/#2 and 160m editor "The DXers Mag", Married LINDA 2 yrs ago, so QSB 160m a bit. Still Vy Interested happenings. Hd VFB trip ON4, PA, G/land recently sends 73! to 160m gang!! VFB/Congrats/Tnx/73! Ralph!! Miss Yuh!! W1LXG/GARY Wkd ZL2BT Dec, Vy Psd! & Mar. wkd K6DDO completing "WAS"!! BUT bemoans fact 160 "Isnt like it used to be" on several scores. Fears its slipping away Fm being a "Gentlemen's Band"!! ZL & WAS, VFB!! Gary om. Nw Fr DXCC!!

W4BRB/N400/Gene a real versatile DXer, Nw WAS/48, lacking Utah & Alaska! (Also 22C, 4Cont on 6m - needs Asia & Af) (Sez 6m MORE of a GENTS band Nw than 160 - intriguing also - like 160 - but "freaky" goes where it wants to go, and you with it - like the Ayatullah sez, it is a non-negotiable situation However Gene WILL be back on 160, YES SIR!!

K1FBW/ERNIE Sez (Dec31) UALAZ his No.141 preceded by UP2, UA2 & EA9EU/MELILLA!! Nw 141/129. Eastern USSR are SSB & Vy Difficult QSO, but Western, UAs Easy as OKs. Latter part winter/spring ERNIE Bn Vy QRL new hobby SKIING!!! Also working with BOYS, (BSA,) Etc, which he finds very rewarding, so Bn QSB a bit on 160m!! VFB Ernie!!

K6PP/Ken has the most beautiful "Homebrew" 75' "Minooka-Special" (W9UCW/Barry) 'Modified' you ever saw!! Using 3" Aluminum irrigation pipe, PVC coil form, CB whip ant unique TOP-HAT, a "super" ATU in metal box at base, with muchos radials!! & it WORKS-(His signal everywhere proves it!!) GREAT!! Congrats Ken!! (And BARRY too

VE3ABG/JOE presently w/160m Inv V, top of 17 story Apt Bldg, TORONTO. Since '75/76 wkd 26C. Dec 18 '77 his Memorable night. Wkd G3CWI, ZFC, PU, LIQ, SZA, G5WP, HB9C&RM, GD4BEG, PA, HIP & OH2BO o700-o750Z -- This Fm 15Mi N of Toronto w/ 1/2 Sloper his Otr QTH. "SILENT KEY" ZE7JX/PETER's logs R with AA4V, if you need QSB, sez Ron/W9CG (DXCC 61C/49.) He Hrd ZD8TC 1st Wk Jan 1805k/0430z. Tnx Don!! N4IN/DON (Ex W3IN) Ret. Still 160ing fm sunny Fla w/XE3, PA, OK, Gs, GD4, GM4, DJ, HB, F8, EI, CO2, 9Y4, PJ2, VK6, VP9, FG7, ZF2, J3, YU7, C6A, PJ5, VP2 this Yr. "Terriffic opening Mar 15/16" Who Sez DX dead this season??? VFB Don.

PA, HIP/WILLEM Hd big hospital operation on legs, svrl weeks there - Nw recovering nicely at home. He rig operated Fm bedside. Covers band at all times of nite. A "Never say die" 160m HAM!! CONGRATS D1 /160 w/110C total Nw. EXCELLENT especially Fm EU!! Apparently this is No.1 DXCC/Eu!! No.2 outside Continental USA No.3 DX outside USA. (KV4FZ, PYLRO, PA, HIP.) Crds Nw at ARRL. CONGRATULATIONS!! and CHEERS!! Dear Friend Willem!! HA5-142/SWL/JANOS NEMETH continues his SUPERB Logs of EU DX Stns participation, hrd on 160m & what they are doing. He also made some nice recordings of signals from his REDIFON Rx. SALUDOS to Janos - faithful 160m SWL for MANY yrs!! OK1DWF/KAREL newcomer '978 has done VFB w/60' Cap Hat Vert/radials. 47C plus WAC!! Congrats & keep up the good work Karel.

SP5IXI /MIRO Vy "Gung-Ho" 160m! Visited OK1DDL,HAS & 2PGU . On w/low homebrew, Inv V, QRV/W/VE.
 Needs Gud 2nd hand Rx w/160m. Know of one?? Welcome to 160 Miro & G.L.!! EA9EU/MELILIA (N.AF)
 "New Country" hrd Fm - in CQ/CW Test QSO'd by Wal/W8LRL -(also by Ernie K1PEW) VFB!! K4TKJ/JIM
 Reports EXCELLENT results w/ Inv "L"!! K2GNC/BILL w/ New 450' BEVERAGE & 66' vert & muchos R AL
 doing vfb - wkd USSR & SP & Nw 101C/73 DXCC/160m. GREAT!! CONGRATS!! WIBVL/DICK doing lots V
 "R&D" (Research/Development) wk on 160/80/40 Inv L Ant - has one tt wks FB Nw, but is "Refining" it
 Great!! G4JGV/STAN SHARRED Ex 160m G/SWL BECOMES HAM w/ 1/2 wve end fed up 40'. After HRing so much
 FB 160 just "Had to 'JOIN' it" !! CONGRATS/WELCOME to 160 Stan, & HAPPY QSO u Mar8th!! FB & GL.
 W3HHN/mm/JIM Feb/Mar Hd wonderful sea-going trip USA/Pa/land, (thence Europe on land) w/ 160m
 dipole 90' above Deck and perfect salt water ground plane underneath!! put out a TREMENDOUS sig! FB!
 G3NKG/DAVE (Stan Sharred's brother) also Ex G/swl turned HAM,also doing FB. Nw up to 31C/15!!!
 W1PL/LACIE completed 2nd eye cataract operation VY Successfully - Bk to Wk. WE'all HAPPY for U
 Lacie!! Enjoying his new 1/2 SLOPER/wkg LOTS of DX - sez BEST 160 ant yet! --Lacie sez--His friend
 W4AI/Ex ZD8J advises ZD8TC Nw on 160 regularly, wkd LU and PY But NIL else becuz his ANT vy Poor Fr
 160 & until he changes Ant not much chance Otr 160m QSOs - here's hoping fr that change in ANT!!
 F8VJ/LUCIEN Has FB sloping wire Fm 70' w/many Radials/doing FB! Now "WAC" w/W1BB,YV10B,VK6HD,
 UA9APG,ZE7JX & F8EX. CONGRATS!! Also wkd svrl W5s,&K6Z2, S.DAK!! Only "Fly in the ointment" - 220Kv
 & 400Kv power lines nearby!! Sri!!GL! DJ5WL/PETER already doing EXCELLENTLY, Nw wkg on new 100'
 vert & Radials!! Made sum OUTSTANDING recordings of W/VE & Eu 160m signals. Keep up the gud wk Pete!
 RNARS/G4HMS Tnx to G3HZL/Don & Co's efforts, their Top-Band total climbing. Added EA8,EA9,UR,SP,
 etc & VK6 "almost but not quite" w/ant on high masts of HMS BELFAST anchored in Thames River, radiate
 a POTENT signal. VFB!! Mates!! PY2CW/MAURICIO On business trip visited W1BB weekends Feb24 & Mar
 1. Much FB 160m talk. was thrilled to wk his first /mm stns W3HHN/mm half way across Atlantic, &
 K2KMC/mm, off KP4 SSB, & few otr 160 stns fm "Tower" stn. Sez difficult Fr S.A.s to keep 160 interes
 w/so few openings & high QRN!! Tnx om!! OK1DWG/MILAN (Ex OL5SWG) 160 since '77 w/ Excellent
 "Homebrew" stn, Inv V 80' Apex, wkd 47C, 5 Cont. His favorite Band & Vy active. FB/GL! G3XWC/Fran
 Dipole 220' High, & two 3000' Beverages-6' High,one E, one W doing VFB. WOW!! VFB!! W2EQS/Ghas.
 NOW!! DXCC/107 w/ YU3EF Feb 15 0330z CONGRATS!! FG7AM/JEAN Active 1803-7 & doing well - many DX
 & W/ve QSOs w/New TS820/ML2500/Dentron Vert Ant. Has given out quite few "NEW ONES". VFB Jean. G.L.!!
 VP2MFG/DAVE (K1ZZ/ARRL) Congrats VFB 160m "Do" fm Montserrat/Feb!! W6TYR/JOHN Retired Fm
 Congrats!! sez his QTH not Gud Fr So Pacific DX, so 'sleeps-in' AMs. WAS/34. Enjoys TESTS! Fb om.
 WD4MKZ/BOB antenna "Buff" (Doin all his own climbing!) Sez the VFB performance of his DELTA LOOP
 Apex 120' AMAZES him! Owns/operates HAM STORE in Salisbury NC. FB (Any Otr Comments Delta Loop??)
 W1PO/STEARNS - "SILENT KEY" Ardent 160m enthusiast, SORRY to say, passed on June 29th '79. His
 FB signal and F1ST will be greatly missed!! GD4BEG/MIKE w/ svrl USSR QSOs,plus EA9, Nw 102C/93
 anxiously awaiting the 'Slow Mail' Fm USSR. Congrats DXCC Except for the mail!! W45FD/ED Sez
 160 slow but did wk PY1RO easily, w/54' vert w/marine whip on top & 20 -33' radials. LOOP w/ FET
 pre-amp. Drake "C" Twins & R-390-A. EUs Bn Vy Scarce. MORE Dx Nxt time Ed - Bn scarce to W5/land
 all season!! Tnx/GL W8ANO/WALDO Sez he "Dont burn any midnight oil chasing DX" - but he sure wks
 it anyway!! Has 102C w/VR3,H44,& 4/JAs recently. VFB!! K2GNC/TOM w/KH6CC Nw 59C! Sez "More fones
 in Window and below 1810 --"Phone" man's Philosophy-"ARMCHAIR COPY and to H w/all else" - we DO need
 PARTITIONING - cant MIX - doesnt work!!" Tnx. OELKH/JOHN is giving lot of GOOD attention to
 all phases of 160m in the AUSTRIAN MAG "QSP". Last fall he wrd "New Ones" C3,EA,FC,SP,UA,UB,UC,UP,UG
 UQ,UR,OK. Sez OK3KF wkd HV3SJ!!!! (Ani Otrs???) Congrats & GL! G3POA/ROGER(Ex VP9GT 7 ,W1AE) has
 acquired FB QTH, 15mi NE London & w1 B active 1980 w/vert or Inv L,possibly Beverages. WELCOME BACK!
 G/swl NORMAN SMITH Still active covering and reporting, spite of health problems! Sez SP9DH Vy
 active & UV9AX,EA9OU,Otrs. Notes participation down, and seems extra amt noise this 79/80. TnxNorm.
 W4CYK/JOE Sez"one of my first QSOs in 45 Yrs . Active bk '33/'34 GREAT Joe "They Always Come Bac
 Back"!! W4UD/RUSS 64yrs "young" - 1st 160/1934/as W8LPZ-uses 160vert INSIDE WALL of house w/35'
 copper water pipe/cellar/ground/Cpse - battery power rig in closet! A Mini/Stn for sure! Gets out FE
 "WAS"/160 except KL7!! WOW!! Unique & Vfb. Doing 160 the HARD way!! W4ZNE/CARL visited BB Jan 1
 VFB 2X2"eyeball" was had! Sez Sri No 160 in ZAIRE his '79 DxPed - cudnt get Lic. Hoping Fr Otrs Ltr
 like his KS6,5W1BC,C5ABG,C6A, etc. VFB/Carl we'all QRV!! G3SZA/DAVE Nw 110C/95 w/HF1 & HR1 fb!
 GD4BEG/MIKE Nw up to 104C/93!! Great! W4ZR(W1WQC) "HAM" has wkd 64C fm Fla in an Apt Bldg!!!!
 BUT!! New 240 Kv "Hy-Line", 1/2 Mi away, has Nw stopped his 160DXing - a real "CRYING SHAME!!!" Sri
 4X4NJ/GERD/(DJ4KW) QRT as of APR/returned to DJ4KW.Congrats excellent job at 4X4NJ & Tnx Fr he
 many "New-Ones" passed out! How'd BEV ant tests w/DJ5VX come out? 73/GL! FG6CNI/ANDY(F6CNI) w/
 27' LW,no radials,QRN S9, QTH up 1300' side 2700' Mt. gave excellent performance, wkg 102Eu, 15Ws
 for CQ/160. W1 try agn w/ TWO 270' Verts out of phase, and Bev Rx Ant. Tnx Andy - CHEERS/CONGRATS
 for a REAL RARE one!! W2BHM/4-JOE on "Scouting DXpedition" Fr Retirement QTH, giving high
 priority to radio aspect tested out location on "ATLANTIC BEACH" N.C. Had VFB Signal!! GL/JOE!!

W8MFO/DON w/New Inv L (55'vert-120'hor) & 16 Radials 133' wks FB - up to 45C. FB Don.(11/79)
VE3INO/IVAN's visit to BB/Nov "A great time had by both" !! Tried out his "New" 75A4 - shud bring in the 160m DX!! Tnx Ivan. 73! OK2BQU/(Ex OL6AQP) Congrats! 160m since '73. Just made "WAC" w/VK6HD winter 78/79!! AULUN out on by N2KW/ALLEN Nov appreciated by gang for 160m "New One". Tnx AL - GREAT!! W8TET/Rev.Charlie Ret Dec '79 "Nw Fr more 160!!" Congrats. K8UG/CURT K8UZX er ding 85' Vert Aluminum Inv L - 1st 160m Qso '66w/WIBD. W3YOZ/MARTY Bk on 160 agn aftr 17 yrs! "They always come back!!" Has FB Vert ovr salt water w/radials he sunk using his swim suit!! Boy!!

WEST COAST - TRANSPACIFIC - OCEANIA - JAPAN - ASIA

W6BYB/7/JOHN Lost his beloved xyl LENORE Oct. Fm shock/Pneumonia. Moving Fm Billings/Mont. Lost heart for 160 at moment, but hopefully w/ B bk. SINCERE SYMPATHY fm ALL the 160m Gang John!! '78/79 he added H44DX,KZ5,KP4,VR6,VP2, & finally aftr 2 Mos trying & much Lost sleep, 5W1BZ, got 589 to make DICC 40C/40. CONGRATS John. We'all Miss Yuh!! Agn SINCERE SYMPATHY!! VK5KL/CLARRY Collaborated with, and then indoctrinated into 160m by his friend VK5KO/John sez "Bn active 7yrs - B4 tt/swl. Bradually improved stn & '78/79 wkd DJ8FR 1st ever Eu. Also DJ4FZ & DL0KF Jan'28th. March Equinox wkd K2GNC & N4AR, Scheduled PY1RO but NIL - S. Pole & AURORA in direct path. Starting '79/80 Sep wkd N4AR & K4GSU 3 times - We've Bn Trying Fr 7 Yrs!! Wkd 19 Otr Ws. Dx selective, favored W8s, JI & ANO most consistent. Wkd JALLKH Jan but only hrd one weak JA since. FT10lb w/linear, R4C & Full Wve Ant. Need S/Africa & S. America for WAC!! (Can anyone help Clarry?? Whenever band open I'm in there trying -- Tnx!/Congrats! Patience/perseverance personified!! (Clarry also has world record 50mhz in 1947 per Oct QST and after 30 odd Yrs JUST wkdJA7MQQ-50mhz!!) KL7HBK/JOHN Active on 160m XYL/Karen/CL7BN also! GREAT!! W8FR/Fred/KH6 Hopefully may go to KURE & MIDWAY one of these days on 160m!! Hope!!

JA VISITORS JH3AAZ/Hiro & JH3DPB/YUU Touring USA stopped at W1BB (Nov27-Dec1) Both Hd Bn on 160 at KP4AHQ wkd 21C/160 in CQ/TEST!! Also QSO'd 6100!!!! JAs on HF!! Both boosting 160, especially Hiro, indoctrinated Fm his Father JA3AA/ISAJI Shima, famous and well known world over for his JA/FCG Wk & support of ALL Ham radio, and particularly 160!! Which he pioneered and supported in JA/land. They gave FB talk to our group of 15 & showed most excellent TV Video tapes of OKINO TORISHIMA #1, 7J1RL inc 160m Ant! & #2 JF1LIST/J1 -- and MELLISH REEF VK9ZR 2/Wa8WOA commenting on 160 there. SALUDOS to ALL these intrepid DXers and their support for 160m!! (Advised us that JA3ONB with big 1 "record" is the new "CQ-HAM RADIO Mag" 160m DX EDITOR. VFB/Congrats Yasuo!) Yuu gave VFB TALK!!

KH6IJ/KATASHI After severe stroke is Bk DXing on SSB and using it as very good "Speech-Therapy" & getting better all the time. GREAT!! However cannot yet use fist on CW, and that is "Crying Shame" his being the most famous and well known FIST in the world for speed and accuracy!! However - He's MAKING PROGRESS and we're ALL wishing him best luck/speedy recovery, getting it back in shape. And SALUDOS to Katashi and his lovely xyl MATSUYO for their patience, perseverance, faith, hope and good spirit, fortitude, endeavors which are WINNING OUT over these difficulties. Less determined folk might have given up!! MATSUYO sez "Hopefully back on CW this Fall of '80" !! GREAT!! CONGRATULATIONS!

KL7GCH/CASEY Making good progress with an 80' inside Attic Ant - wkd TWO JAs!! Just got permission for outside Ant. FB/GL! Sez KL7HBK also 160er. Tnx Casey. VE5JQ/"Doc" JOHN (Saskatoon Hospital) Nw active w/26' base loaded vert & radials, wks quite Gud. Wkd KH6CC & Nw "WAS"/39. Sez VE5EK, ID, JS, ZZ, XU also on. Visited "Gordy" XU recently, 'GREAT meeting'. Hrd YV1OB, CO2FA, J3ABV, 9Y4W, YV4TI, PJ9EE, VP2KAJ. Trble tho w/ 5x7 hashy NOISE Takes a lot of the joy out of 160!! Sri John - but Hv FUN!! Ur doing FB

3D2ER/Raj-FIJI Vy interested 160 & Hopes to be on '80/81 season. CHEERS and GL Raj on!
VK7BG/FRANK-rare TASMANIA aftr absence 12yrs fm 160, Bk w/dipole at 50' & FT90ldm. Sep/oct Equinox wkd W1BB, K1PBW, K2GNC, N2AA, N4EA, AR, K4KSC, JYS, W4DR, EX-W5SUS, N5DX, K5GO-AD6C-W8ANO, CNL, H44DX, 5W1CF, VE1Z, VE1ZZ, VK9NI, A35DX, 3D2DB, KL7HF, HBV, VK3OT, LH, VE7AZG. A "FIRST EVER" w/VE3EK!! QTH on River TAMOR, fairly quiet QTH, water 3 sides. Planning top loaded Vert. Welcome back!! Congrats!! Keep up the good work!!

VK5KO/JOHN (80 odd Yrs "Young") listens 160 almost EVERY Sunrise, 300 or so days/Yr, then checks ALL bands. Bn doing this 50 Yrs!!! THREE "Highlights" (1) Hrd VK5KL/Clarry aftr 12 mos of hard ant wk, being cld by 12 Eu stns & wkd 3 B4 QSB. Ove 12 fr season. Had alrady wkd many Ws. Clarry was vy thrilled. (2) 29/AUG'79 2040z/storm/rainin buckets.gale/tornado 90mph - suddenly hrd G3RTY 569 Clg USSR. No otr EUs audible. Thot I must be "Bonkers". Cld and Cld - NIL. He still 269 wkd UAs. Continued until sunrise plus 3 mins, then OUT!! (3) Hrd V66HD wkg W1BB easily. Hrd BB weakly once, then QSB out - VK6HD still working him. (BB) - 160 NOISE Hr usually S 5 to 6, sometimes 8 to 9, seems abt same as in 1963. Wkd no Ws '78/79 but Gud to JA. Keeping well. Do my cycling every day. (John u to be CYCLE Racer) VFB John many more HAPPY years!! VK6HD/MIKE Dec/Jan 95Eus-68Diff Stns 5th 1st timers Fr VK6HD. Musta meant few more WACs too! Trying for WAS - has 33 Nw. Has 5/band WAS, hopes for 6/band WAS. Active mostly 80&40 but comes to 160 when open. CONGRATS SUPER JOB Mike on!! (The 95 EW/QSOs included DL, G, GD, GM, HB, OK, OH, F, UT5, SP!!!) W6RW/ROGER wkd G3SZA/Dave Jan4th - his 1st Eu '79/80 GREAT!! Excellent considering poor condx. Is concerned abt SSB/CW QRM/in-fighting etc on 160 and the need for "Partitioning" -- ARENT WE ALL!! Congrats your excellent 160 performance Rog.

KH6GG/JACK (Mid-Pacific) HAS DONE IT!! Made "WAS/160" #3 ever outside Continental USA, follows KV4FZ & PYLRO. His No.49 K3SXA/DEL/CW and "Final-Final", #50 WalWJR/NH/SSB. A real VFB 160m accomplishment. CHEERS and SALUDOS Jack - WONDERFUL!! **K6DDO/DAVE** Sez "Hrd G3SZA Jan6,0602 QSO W6RW. Was "in" 15/20 Mins. Jan12 0515-0610 "in" agn 459/569. He QSO'd K8CCV & got into long rag chew w/ W8LRL despite anguished W6,7s trying Bk in to no avail! When finished/QSB out quickly w/immense relief up W6s,7s clg him. Peaked 0530 57/89 @AA7A/ARIZ" WOW!!! Real FB "Opening"!! **KL7HBK/JOHN** sez "G NEWS for 160m ops!! Local LORAN STATION to SHUT DOWN for good!! BIG difference in 160m reception!! **Wb6ZYK/"Doc" SAM**, the "NOISE REJECTOR" MAN!! Sez Band Bn Vy Quiet w/short or NO skip this fall. Did wk HP3 - just didnt hear any other real DX. Last few seasons much better, altho QRN/LOW! NOTE!! You 160 fellers should read SAM's "NOISE REJECTOR" article in Feb '80 '73 Mag Page 74. A MUST for QRN/NOISE fighters!! WBB building/testing one, not completed yet. Tnx a lot SAM for great Idea!! **VK6AS** peaked few days on 1810k/FEB/QSO'd K2G0,W2PIX,Otrs,SSBers Fr Rpts 3x3,5x7. A bit unusual since most VK/ZL peak during EQUINOXs Sep & Mar. CONGRATS/all. **W7TO/Lew** Bn QRT few months w/surge Etc. Nw Bk. Found Cdx poor. Did wk VP2A,J3,J6,J7,VP2V,HH,VK,ZL. Openings scarce, but gud sigs when open. NOISE/QRN high. Tnx/rpt Lew. GLAD Hospital visit now successfully behind you!! HAPPY SUMMER!!

MISCELLANEOUS ITEMS FROM HERE AND THERE

ZS5WT/DON (Ex G3SXZ & 9J2YZ) Hopes 2 B 160m with TS520,Linear,132'Vert/Tx,dipole/Rx at BRAEMAR, near DURBAN JUN 7&8 also 28&29, about 0300-0400 QSX 1803/5 - Tx 1828 approx. First 5 minutes, every 15 Min Period:: W/VEs CALL 1st 2 Minutes, listen for him last 3 minutes, each period. Also hopes to be on later in season, and glad to make skeds. Tnx Don/GL!! **3B8RS/MAURITIUS DXpedition(DJ6QT)**, tried many times w/Inv V Ovr Ocean at Beach. Wkd only VK6HD Nov22'79. 1605z. Hrd JAs. No Bu,NA. Hopes for FHs and D6 in '80/81. VFB WALLY GL! **CO/WW/CW TEST Nov24-25**. POOR Cdx. DX contacts few & far between. KD5M/3 300Q,57Sect,WCoast,Caribbean.Psd w/ performance Inv only 30' high.---**W6TYR/JOHN** sez W8LRL & K1PEW terrific sigs BUT cudnt wk 'em --**N7DF** 300Qso & WAS except Vt.Sigs Btr 2nd Nite.

PIPELINE PROPAGATION INTERESTING!! First Nite FOC Test Feb 1 seemed to Hv "Pipe-Line" to EU, wkg many sigs with strong sigs. Next Nite Feb 3 Not a PEEP Hrd, except GD4BEG/weakly, hr in New England - BUT!!! **W4s** had "Pipe-Line" tt nite W4PZV,N4WW,Otrs wkg many EUs inc USSR easily, giving 579/589 Rpts Etc. A BIG PATH change within 24 Hrs. N.E. Couldnt hear any of the EUs they were wkg!!

OE/160 '79 TEST Nov 17/18 Dx Cdx poor - No OEs hrd in W.(Same in '78). OE1KU/Willy wkd mostly OK Ols plus DJ,DL,DF,SP,G,YU and UT5AB!!(Wkd his first UT5 in 1965!) Total Points 2380. Sri no real DX!!

HAVE A POWER LINE NOISE PROBLEM????? Dont fail to read W4PZV/Hank's article in '73 Mag/FEB, 1980/ Pge 66 "IN SEARCH OF POWER LINE INTERFERENCE" -"How to find it and get it stopped!" A real help for 160m and 80m buffs. He has found and had 64 sources of NOISE in his area corrected, which accounts for much of his 160m DX Success!! Tnx-vfb HANK! **ARRL/WW/CW/TEST - Feb 16/17** Because of solar flare on 15th, 160 Dx not gud. BUT paths peaked as always at EASTERN SUNRISE END and sum fair DX was wkd!!Notably, almost no matter HOW BAD Condx are, there always seems to be some DX worked,especiall by the big stations, with QUIET QTHs, BIG Rx Ants, Beverages Etc, & Strong outgoing sigs - are able to "Scrape the Bottom of the barrel".(USSR,YU,EU,KH6,Etc!!) **LOW NOISE RX ANTENNAS/PRE-AMPS** for loops and Otr LOW NOISE ants, located up to 350' away from Station Tx Ant to minimize re-radiated noise pickup, the inconvenience and problems of hvg a pre-amp located at the antenna, can be overcome by providing a 50 Ohm output from the antenna, and feeding it thru RG58U Cable - loss relatively sma small at 1.8Mc - and either go direct to Rx or have Pre-Amp in shack. For LOW, long wires, 100' to almost any length, the MFJ Model 16010 at the ant makes nice inexpensive, versatile match to 50 Ohm (Beverage type antennas)(Mini-that is) An L network - or it isnt hard to make up one. **ARRL/160/TEST Decl/2'79 de VE3INQ/Vince**:: 285Q,54Sect,42Hrs,30K Score approx WOW!! --- **AA7A/VP2/NED** sez: LOT of Fun. Few tense moments getting all equip to Isle. "MINOOKA" was delivered ONE HOUR before Kick/ off time! Then lots of fun!! Were using FT301 w/SB200. (Next Yr TI9 maybe!!) VFB/Congrats/Tnx!!

"HINTS & KINKS" - LOW NOISE ANTENNA FOR RECEIVING It is important for most anyone to have a low noise antenna he can instantly use - since while signal pickup of the Tx Ant is greater, so also is the NOISE, and often you can get an enough better SIGNAL/NOISE ratio w/ Low Noise Antenna to be Vy worth while. One of the simpler, but effective ones, W1BB has used, is just a single 150-250' piece of wire, insulated, 2'to 5'off the ground - end brought into the shack - or better, terminated, as far from the shack as possible, with an "L" Circuit matchbox on it's end, and feeding the Rx thru 50 Ohm cable. (Per above "Low Noise Rx Ants). **G3SZA/DAVE** Sez (RSGB Communications) Sunspot Max has reduced the number of "normal" openings on 1.8. BUT the frequency of "Unusual" openings has increased. Many times, band opened to EAST w/ UA9,UA0 etc peaking S9!! But then fading out bef dawn with no real openings to USA. The usual DAWN peak to USA & VE has almost disappeared, and been replaced by a gradual build-up followed by a fadeout about an hour before dawn. Contacts were possible on this path many days, and with occasional "Good Cndx". (Usual Transatlantic peak DAWN) S000000000.... That's it again!! Hope you find something of interest!!!

CO/WW/SSB/TEST/OCT 27/28 Poor cdx plagued all hands. HOWEVER!!! VP2KG/160/Ernie, ran into a "Pipeline" opening to Eu and did fabulously well!! 539 QSOs, (107 Non-W/vc, inc 72Eu & 2 AF) 47 Countries 11 zones. Single Band score would Hv Bn 67,338 breaking all existing records for phone or CW!!! The point is, Ernie/K1PBW sez, it shows big scores CAN be made on 160, even during the worst part of the sunspot cycle. This sure proves it & CONGRATS Ernie - GREAT JOB!! VK2KC was all band and had score of about 37 MILLION -- or 8million OVER the previous record. Margin would have shrunk about 3 million without 160. Future DxPeditions - "take note" and USE 160!!! ---From ISRAEL, 4X4MK/Ron-(VE3GAG) w/poor ant, wkd OH,EM.UK5,4X4,YU,UQ2,UK6 R6 but NO W/vc hrd. Looking Fwd future tests! FB!

CO/WW/160m/CW/TEST/JAN 25/26/27: Cdx Generally only fair, but peaked up better'n before Test. HB9CM/PHILO on 7 hrs, wkd only 4 DX stns. --- WLBB got a "New One" SP3DOI making it now 152/150. --- W9PNE/BRICE wkd KV4,J3A,4U1,GM3,G3,F8,GD,EI9,& hrd Otrs. Nw Using new 365' LW - wks VFB, Better'n Vert - much quieter!! 160 Bn DEAD since test tho! Wkd G3PU on 10/, sez 160 Nil Fr Hm in Test!! Brice retires DEC/80. CONGRATS/GL ---SP3DOI/LES wkd 17Ws,KV4,JA,UA9s,UD6,3 VEs,Otrs. Has 5BDXCC Nw. Nw trying 6BDXCCw/160m!! GL!! --- G/swl NORMAN SMITH submitted excellent LOG of TEST participants, Inc EA9EU Vy rare MELLILLA. Tmc a lot NORM/Vfb! --- WALGXE/GARY wkd K6DDO for 50th State & WAS aftr 25 Yrs trying. EXCELLENT Gary! SEE CQ/Mag for complete report. All in All not tooo bad a test!!

73 MAGAZINE SSB TEST / JAN 19-20 Dx Cdx not Vy Gud, but a lot of stateside activity. WB9GCU/ reports 200 QSOs in 43 States. Hot 2 new states & Nw needs only 4 for WAS. GREAT!! Bob & xyl JUDY!!

"SPTPB" -POLISH TOP BAND CLUB Created:: The SP boys, sparked by Wdam/SP9DH, a very interested and active "TOP-BANDER", have worked much DX already, and also formed this Club, as of March 1&2 1980, at KELICE/SP7. Chairman SP9DH/Adam, Sec. SP9EVP, Sporting Events SP5IXI, Technical SP7ICE, Publishing SP7AW, Staffer SP9EPI. Otr CHARTER members SP7HF,SP7PV,SP9KZ,SP5INQ,SP7IFM,SP7JWZ. WLBB was Named Honorary Member No.1 - Otrs will follow. An AWARD project will be developed shortly. SP9DH,SP3DOI and Others Hv done some outstanding DXing & Local Eu 160m work already. Adam has wkd K1PBW,W8LRL,K2GNC with His 14 watts!!! Adam is old/time friend Laci/W1PL 160m DXer. --- They already have a VFB Bulletin - the "SP - TOP BAND MONITOR"and Hv run their own Top Band "MARATHORN" contest, besides participating in and reporting international tests. They are "letting no grass grow under their feet" !! The"TOP BAND MONITOR" is a most excellent publication, in Polish language edited by Adam/SP9DH & SP9EVP assisting. CHEERS,CONGRATULATIONS and "SALUDOS" to these 160m boys, an extremely well organized group of 160m "Bufs","going places and doing things"!! G.L. on 160!!!

VFB OCEANIA 160m DxPedition by N6DX/Darrell, w/ N2KK and JALBK, Hv lined up EXCELLENT schedule a. bands, w/ PARTICULAR EMPHASIS on 160'!. w/ several day stops at each of::: 3D2/FIJI, A35/TONGA, ZK2/NIUE, 5W1CF/W.SAMOA, and FW/WALLACE& FORTUNA. LOTS of operating the bye-word!! Wal/W8LRL lined up Sunrise/peaking times for 160 for each of USA areas. Trip started April 15th - ends May 10 (This BULL out too late to be of help with DETAILS-Sri!!). Although Condx seemed poor for the start -hopefully improvement will have allowed good success. Congrats/Saludos/TNX Darrell for your great efforts on 160m. Keep up the good work, and let us know "Where Next" !!

USSR ACTIVITY --- Nice to have our USSR/HAM friends, now regularly using 160!! MANY are active and when coming thru, will be found mostly 1850-1855 looking for DX, and QSX 1800-1806, and 1849Kc. UB5VK/YU advises that UT5AB/Alfred, one of the most active on 160m, after many schedules has QSO'd VK6HD to complete the FIRST EVER!!! 160m "WAC" in USSR!! CONGRATS!!! Also, UA9QGN,UALQBM, & UA3QGO made "P-10-P AWARDS" on 160. UA3QGO and UALQBM also, have each worked 100 Different USSR regions, ("P-100-C"), similar to our "WAS", a very difficult accomplishment there, which shows how seriously they are working 160m band now. They are also making a big HAM/RADIO,effort, all bands/inc 160m in connection with the OLYMPICS, using CALLS WITH "R" Prefixes. Tnx info Yu on!! G.L. to 'Yall on 160

MALAYSIA de 9M2DW Tan Bin Hussain With VFB TS180s hopes to get "Permission/License" for 160 & on soon w/helical Vert, or Inverted L, sez "HAVE MUCH INTEREST" to get started, would like to hear from some JAs abt skeds!! TAN is most popular station on all bands, and has sent out close to 90,000 QSL cards!!! NOW!!! for some of those QSL CARDS going out on 160m QSOs!!! Best wishes/GL Tan

GM4DMK/Graham real 160 "BUFF" - aftr long QSB as Radio Officer Merchant Navy, gave it up Yr ago Nw sez "95% My Time on 160-otr 5% sleeping" !! Uses TS520s w/90' long, 20' high, small, open wire tuned feeders. "Amazing, I wk 160 Dx at all!!" Hv 1 Xtal 1828k - No VFO, but "I wl wk ALL countries on 160 if it takes rest my life!" --"Top-Band" IS THE ONLY BAND"!! He & Pal G4JGV/Stan wkd 50NOK DxP/REEF ISL Nr CYPRUS 0340z Mar 10, 1880k, got 339. DxP peaked abt Hr. Sez "Hope Legit"!! Also wkd W1BB,PL-WalGXE-VE1BVL-K2BQ,GNC-N4IN-K8CCV. VFB/Graham!! --(Like BB sez "They Always come back"

K2FJ's VACATION/DxPeditions (A) SAINT EUSTATIUS-K2FJ/PJ5:: 2 wks w/Inv V 30' high,at friends pr. te home. Listened 160 EVERY nite,many too noisy & QRT. Made 28/160m QSOs & 1565AB/QSOs. Lotsa FUN.,Inc climbing into Mt.Mazinga's Volcanic Crater. FB & Tnx/Ken 160m "NEW-ONE" Coverage!!

(B) BARBUDA (N. of Antigua) K2FJ/VP2A:: w/friend K7SE,rental cottage, NQ160/ne ant room but 1683AB QSOs, 112 Countries. "A RELAXING AWAY FROM IT ALL" 4 Wks vacation. Cost incredibly low, inc 14 lbs of LOBSTER only \$15.00."SOME LUCKY PEOPLE!!! And finished off with most excellent QSL Fr lucky ones!!

Have Been Making Some Antenna
TRIALS/TESTS — Loop of TV "Hard Line" Coax
& "Half-Sloper" & "Mini-Beverage" Rx
Ant. — But Cant find Half the time
I need for 160 !!

Did WKC 3D2DB FIJI
For #153

How's 6m Doing?

73! ~~for~~

Marguerite Sez
"Cheerio & Howdy"



HERE 'TIZ - your copy - and hope you find something of interest!!

HOWEVER am concerned about you - for we havent heard "Hide nor Hair" from you, or about you, for a long time!! I sincerely trust that you are "WELL & HAPPY" and everything going OK - and you just havent had time for 160!! OR, maybe condx have been so poor that you have taken a season off!!

MARGUERITE and I are both fairly well, and making good progress all the time, and she joins me in sending BEST WISHES and many thanks and appreciation for our Dinner together

SINCE the BULL "Sums up" 160 for 80/81 I wont repeat - Hi!!

MAY 1, 1981

Let's hear from W1BB --- 160 METER DX BULLETIN --- W1BB 73 de 1980/1981 - No.2
U w/ "All the latest" !! Since 1932 Stew'n Mrgts!!

de W1BB Stew --- 160 is a Suprising and wonderful DX Band!! Condx being generally quite poor, with an unusual amount of absorbtion, short skip or none, and Oodles on QRN - many of us thot, maybe "This Is It" - NO real '80/'81 DX!! However, spotty though it was all season, it sure uncorked some wonderful supprises. Quite a few say "one of the best Yrs I've had!!" We've ALL griped abt the poor & erratic Cndx. ACTUALLY though, arent they part of the fun and challenge?? The more difficult, the more thrill/satisfaction of accomplishment! We learn the lesson WELL, that if you arent "Johnny on the SPOT" to get in on the excellent and unexpected openings that do pop-up, it seldom if ever happens again - you've missed it, goodbye/Dx! BUT if you're there - WOW!! what fun!! --- Like K2GNC, Bill, right on the button, Peak/wise & wkd 3 JAs in a row for "FIRST EVER" JA/W-NE Coast (W1,2,3,) plus VKs 3,4,5,6, in a row!!!! Made possible by the MOMENTOUS event (We have ALL been waiting for), cessation of LORAN on 1900Kcs, and the JAs (1907 $\frac{1}{2}$ -1912 $\frac{1}{2}$ Kcs) were coming thru!! W2EQS/9-Chas immediatley JA2GQO, 9EB, 3ONB, 5DQH & Otrs skipping into W4EX and KA7BTQ/lands especially Much fun and excitement A Sunrise times!! Hopefully one of these days W1 will QSO JA??? Maybe W1BB (Hope-Hope!!), that IS, IF we can get over/under or around that AURORAL OVAL on this path!! THEN VS6DO/Paul on 1835 made some real excitement/fun, working W8LRL and Otrs Hr and in EU especially & Asia!! Also wkd AALK/"JON CHEERS!! a achievement!! ---- VE1ZZ/Jack Unexpectedly QSO'd VK6HD/Mich Long-Path, 2130z, 449x2, 1802kc Jan25. Most UNUSUAL!! (Also VE1BVL!) ----(VK6HD's signal always vy "Potent" this yr!!) ---- ALSO!!! two resounding "FIRST-EVERS" :: W7RM/Rush wkd UK2RDX Jan25 0600z!!! & LA5HE/Rag wkd W7FS/Keith, FEB 14 0525z(Keith thinks, directly over POLE! ---- USSR Stations coming on 160, opened up possibilities for 18 additional Countries!! and MANY were worked all over the world including W/VE!! (1850-55Kcs) NEW Countries on, EA8, EA/Spain, OZ1LO made it possible for W1BB to Total 156 DXCC Countries Wkd/160m. EL2FY/LIBERIA coming on unexpectedly gave many a "NEW-ONE"!!--G3PQA/5Np-John came on Jan31, gave out many "New Ones", Mostly EUs, but sum Ws & QRT Mar31!! ----- EL2AV also on!! ---- To name some of the "Highlights"!! So Gess cant say '80/'81 T0000000... bad - can we?!! Additionally CQ/CW Test pulled their annual "Rabbit out of the Hat" for a corking good 2nd night!! But yes, except for the "Highlights" the BAND was way down in many respects!! Those who say it was a POOR season, and those who say it was a GOOD season are BOTH right, depending on how lucky they were!! GREAT game tho- eh?? These UNUSUAL results, and others, highlight the News, making '80/'81 a unique season, (In fact there are so many 160m Items, afraid we'll run out of space and not get them all in!!! That'll be a pity!! And Apologies to you good fellows for any "Tid-Bits" you sent, we cant use, for lack of space!! Sorry

K1PBW/Ernie sez: "I do miss what the band was in the 1960s. I think that was the GOLDEN AGE of 160 - believe you'll agree - unfortunately few of the same fellows are on now & not many have come to take their places - sort of the "End of an Era"!! (Yes, sort of true Ernie - know what you mean - yet there are a few outstanding pioneering type DXers still on 160, unusual Dx being wkd, and the CHALLENGE of TOP BAND, still there for those who want it!!) Altho YOU left very few Challenges unMET

W1BB/Stew Sez: Found it necessary to "Slack Off" a bit on DXing, as previously indicated. 'Taint much fun not to be able to stay up on 160 all night, or into the "Wee small hours", to snag the EXOTIC, a be in on ALL the Fun!! No 'dyed in the wool' DXer, likes to "Miss-One". However, "Father Time Keeps Marching On", and we have to take cognizance, whether we like it or not, but "Philosophically" and in good spirit! - N'est-ce Pas? Did fairly well tho, and thoroughly enjoyed every minute! Will continue in the same mood, being thankful for the VFB pleasures and THRILLS on 160m!!!

HAPPY SUMMER!! B.C.N.U. Come FALL and '81/'82 Season 73! de Stew'n Marguerite

11
"EAST COAST" TO JAPAN 160m QSOs By K2GNC/BILL believed to be the SUPER/SUPER/SUPER "FIRST-EVER"!!!!
Bill sez:"2/Feb'81 almost dropped over!! Was looking for VKs & thot wud Hv nuther look for JAs, Just
in case, aftr my CQ @ 1118z. Hrd JAs Clg ME!!! Thot must B hrg things - BUT! sig came up, Rea
JA6ITF, QSO'd 1120z h349/m459!! THEN in quick succession JA6LCJ 1127z h449/m559 & JH6OFC 1130z
m559!! (JA6IEF & JA2GQO also old me, but I got QRM'd by a W on my Fy) THRILL!!! THRILL!!! THRILL!!!
Never thot it cud B done - but this AM changed all that!" ---Bill is not only on the "East/Coast",
but actually quite a few miles offshore on Long Island!! That's REAL 160m DX HISTORY!! 1st JA/East-
Coast!!(Hv hrd no otr prior QSOs w/JA fm W1,W2,W3. Believed 1st W/VE 1,2,3, areas also!! Sez "Was
raining Hr,Grnd frozen,pool water formed over my gnd system - it's always SUPER that way!! SURE WAS!
WOW!Wonderful Bill and a "million" CONGRATS!! Your patience, perseverance & expertise sure paid off!
Otr JAs Hrd @ K2GNC: JA6IEF,JH6OEX,JA4AI,JA9BE - JA2GQO's sig best but he couldnt hear me". SUPER!!
MOMENTOUS EVENT - CESSATION OF LORAN ON 1900 Kcs!!! Gone,to 100khz now - WOW!! What a relief!!!
lifting that smothering noise blanket, especially over the JAs 1907.5-1912.5!! Chas/W2EQS/9, at once
hrd JA2GQO,JA9EB,JA3CNB,JA5DQH,Otrs. Best JA time. DEC/JAN/FEB 1100-1220z USA/sunrise.VS6DO 1835 also
UNFORTUNATELY - CANADIAN LORAN will not withdraw it's EAST COAST Loran Chain on 1950Khz for TWO more
years. This delays getting HAM restrictions on 1800-2000Khz lifted. GRRL has proposed keeping the
restrictions 1925-1975 only, and un-restrict immediately, the rest of the band. We'LL wait and HOPE!
A RESOUNDING "FIRST-EVER" Jan25 0530-0640 when UK2RDX put an S7 (On meter!!) sig into W7/Land. Hrd
by W7FS/Keith who old him for 90 Minutes - Cudnt raise!! TEARS!! But W7RM did QSO "First/Ever" USSR/
W7, 160m QSO!! Directive Ants indicated fm 'Ovr/Pole', upper Siberian path.UK2RDX wkd mni Wls short
AALK/JON works VS6DO!!!! Hd excellent season, spite of poor cndx, wkg EA5,GW3,YU2RTW,OZ7YY path!
OZIL0,OA4,UK2,UB5,VP2,EA9,PY1,LU9,CML, Otrs!! AND!!! VS6DO who peaked 579 Jan4 CONGRATS JON!! Heard
JA2GQO often peaking 56/79. Used "Shorty" 200' & 600' Bevs. Hrd lots DX cudnt wk! Hopes Btr ant 81/8:
GREATEST 160m DX CAPABILITY IN WORLD-W8LRL/Wal with 7 beverage ants, 130' Vert, SUPER ground radial
system in "wide open spaces" wks ANY DX that cums along, inc VS6DO, JAs & Many Otrs!! To say nothing
of his fabulous CONTEST scores!! CONGRATS Wal Mr. No.1!!(PLUS FB stint at PJ2CC, for CW/WW/SSB VFB!!
("Runner-up"to WAL would be W8JI for "Capability" who wks DX Easily w/ SUPER Rec system,& got VS6DO)
K8ND/JEFF's DxPediton to ANGUILLA during ARRL Test Mar7/8 netted 205 160m QSOs, AND CQ/WW/160
test Feb 27/28 170 more,PLUS:before, in between, after,a smashing success of 489 160m QSOs, 14 C
Grand total!! Hrd JA30NB before Tests.(ARRL Test total 10,181 AB QSOs, 331Mult New World Record!!!!)
Says Jeff --"160 made the difference"putting them 'Over The Top' for the record. Many CONGRATS!!
GENERAL DX PARTICIPATION has been dwn sum "at home & abroad" -- Note G/Short Wave Mag's G3KFE/Paul
Essery, sez:"Bn listening 160, Svrl Eu Cntries Hrd arnd Mid Evening, but the lack of Inter-G action
quite saddening. Cant we Hv few more HAM 160 Noises/160 lest we lose a good band???? (No doubt due
to POOR LF, & SUPER HF Cndx! Frinstance W4BRB/W400 "made hay" on HF wkg 6m WAC & is Nw 7B-WAC. Needs
only a few more Ws for 7B WAS!! VFB, yet some thereby LOST some "Good Ones" on 160! HOWEVER??????
Gene also worked ZD8TC,EL2FY,KL7 for "Was" - then JA2GQO,OZ7YY and Now is 160m DXCC/110 Countries!!!!
JA/NEWS by JA5DQH/AKI:: JA5DQH vfb season,10"New-Ones".UL7,EL,VU,VQ2,VR2,GD,UD6,SP,OZ,4X4, Making it
64w/56c 160m/DXCC!" CONGRATS Mr. TOP/Ja DXCC! -----JA6LCJ/YUK #1"FIRST/EVER" EL2FY/JA.(JA5DQH #2),
(EL2FY,a JA Ham, wkd WAC & over 40 JAs!!)----- JA6LCJ/YUK agn,#1 "1st ever" VU2WTR/JA.(VU2WTR special
Permit 1wk,ARRL/1rom/Test.Wkd 20 JAs. On agn nxt arrl/160/ww/cw test.JA6LCJ DXCC/31C. SALUDOS!!!
JA2GQO/KINJI #1 "First-Ever" KP4(NP4A)/JA 559x2 24Jan 1008z & 1st Carribbean/JA!! SUPER!!! Here is th
JA/DXCC (Believed) STANDING Feb'81:: JA5DQH/Aki 64w/56c,#1 ---30NB/Yasuo 63w/#2 --- 7AO/TOK 62w/#3
---JA2GQO/KINJI 56w/#4 ---7NI/KUNI 55C/#? --- 6LCJ/YUKI 31C/#? NICE GOING JAs -DXCC hard fm JA!
IA5HE/"RAG"'s SUPER "FIRST-EVER"-NORWAY/USA, w/48 Hr Permit,wkd W7FS/Keith 14feb 0525 539/559 FIRST
/W7 & IA/West Coast!!Then wkd VELAK & W8LRL. Used TR7/MIA2500 w/top loaded 36' vert/20-radials on
rocky terraine. WONDERFUL!! CONGRATS!! to both Rag and Keith(Rag also has MT3000A. Has much trble
burning out center conductor in Switch. Asks, anyone w/similar Trble & remedy??) Keith rec'd IA on
his JA ant so thinks path over POLE!! or Asia. DLYD also wkd by Keith making it a W/EU, W7, 3 Way!!
THE "POOR"HAM's BEVERAGE RECEIVING ANTENNA - "Poor", because he has no place for a magical BEVERAGE
Rx Ant!! He has NO Noise/Free "wide open spaces". The POOR guy probably lives in or adjacent to big
City or Town.He is surrounded by small lots, many houses, stores and streets galore! He's "Stuck"
as far as getting up the "Ne Plus Ultra" ant for wkq 160m DX is concerned.(Unless he buys a 75 A
farm in the COUNTRY and moves out,) becuz "you cant work 'em if you cant hear 'em"! That's for su
BUT!!! he need not necessarily be "SUNK". He can FIGHT it and have a measure of success and fun!
HOW??? By playing around with the so-called MINI-BEVERAGE ants. Actually, the gang have gotten to
calling ANY SHORT L.W. ant, Near the ground,(some ON the ground) a BEVERAGE, although it isnt a BEV
unless it is very longwire, and properly TERMINATED with right size resistor at far end. A True BEV
for 160 shud B arnd 1000-1300 Ft & Terminated. ANYWAY, Now/Days they are being made, tried, used,
with varying degrees of success from 200' to 750 Ft or so long, and MANY have done VERY well!!

MUCH better'n No Bev at all. SEEM to do better on nearer Dx, say up to 2000 Miles or so. than SUPER Dx - BUT they do suprisingly well many times bringing in real good DX, especially when assisted by a good pre-amp. (Which shud Hv adjustable GAIN is Possible) at Rx input. --- HOWEVER!! They dont always work - a matter of "Trial and Error", but MANY have done very well. W1EB has been playing w/ a one 250' long, 3 1/2 Ft off the Grnd, on fences & thru cooperative neighbors back yards, hung on bushes/trees etc, at the HOME QTH in "Boston/City" so to speak, for three years, and just couldnt do without it, compared to Inverted "L" Tx ant which is KILLINGLY Noisy. Bev very quiet. Picks up sigs good. OZLYY reports excellent results w/ 300' pointed to USA. MANY otrs in use. INCIDENTALLY W1EB tried a 550' Long one, on OTHER side of the house & diff direction. It doesnt work well at all! HOW goes one account for that?? Idea is, you try one, and if it doesnt work well, you havent lost too much - but if it does - you may have solved an unsolvable problem!! Mine is VERY QUIET (250')

K8MFO/6Y5/DON 50 QSOs, w/80mZepp on 160 w/TS820s. W1 Hv Btr Ant Nxt Time.Hw can he get Qsl de PZAAA?
G3PQA/5NQ/JOHN-NIGERIA (Cable/Wireless Ltd) (& EX:VP9GJ,MP4BJI,W1AE) Caused much excitement putting Nigeria on 160 w/ R4B/T4XC. MARVELOUS RESULTS! 106 Dx QSO since 23jan w/Inv L @ 40' on Isl w/Gud Gnd. Sez strongest sigs were svrl JAs consistently S9 Nite aftr Nite. Wkd W1,2,3,4,5,8 - VE1,2. - G3 JA,EL2,G1,UA3,VK6,5Nø,HA8,SP5,PAø,GD4,VS6,ZD8,OK1,F8,OZ1,EA8,DL1,OH1,LU8,G13,SP9,GM,UA1,ZS6. Gave mani "New-Ones". Back to UK MAR 13th. Well Done John - thanks and many CONGRATS - where to next???

AN UNUSUAL "PIPE-LINE", de JANOS/HA5-142/swl During CW/WW/CQ TEST Nov 29 BAD Cndx/Nil. Nov 30, Snow, 0450-0550z FLORIDA W4 ONLY sigs cmg thru. PZV,AI,IN,SF. W1EB heard only W4s, clg/wkg Eu - Nil Hrd EU Seemed like "Pipeline" EU to W4 ONLY! Svrl times this yr. Interesting. JANOS Covered whole season with his EXCELLENT coverage of 160, and LOGS (On file at W1EB(Will loan) Fm first season thru Mar31. Sez DHJ & OSN 1830&1831 Markers VY strong HA/land. Janos had Pneumonia last summer - SORRY!! OK now.

MORE ON BEVERAGE ANTENNAS - Ed/WA9PFB sez:"Bob K9QLL & I putting up 8 beverages, (4 already up) Ea 600' long, switchable remotely so any combinations/directions/or all, can B used. Remote field box w/ contain Matching Transfms, 8 input combiners, relays, 3 sect Bandpass filter 1800-1850 and 50DB pre-amps. "WOW"!!! Sez "Can sympathize with G3SZA's observation of changing Beverage Characteristics due to seasonal changes. However his Observation is not limited to less than one wave length wires. Bob/W9QLL had properly terminated 2500' one. When it rained the ant received sigs from ALL direction T Central Ill. soil is the most conductive in USA except coastal salt water saturated areas. When is raining it goes up even higher conductivity. GREAT for verticals - DESTROYS the beverages. When top-soil is dry - Bevs work as claimed. GREAT ED/TNX!!(K2GNC's tests confirms these pbservation

LUIDZ/ALBERTO (Editor of "GRUPO ARGENTINA DE CW" bulletin) Nw DXCC 48C/39 which is most excellent Fm LU!! Sez LU9EIE (Wkd by BB 4/15/81),8DQ,7XP,5WP,6AMW also active on 160 now.,

PY2CW/MAURICIO still wkg on his 20 miles remote rexing location, having beverages, Inv Vs, (To avoid noise at home QTH) connected/controlled/programable by 2 meter link. UNIQUE!! G.L. then BEST OF DX!!

JA1VDJ/SHIGEO sez most exciting Bn EL2FY/JA Ham Hager QSO JAs/160-wkd 60!!! Mostly in SOUTHERN JA, (Vy Few N/JAs!) Shigeo, JAN28 after searching every AM Fr 30 Days. Sez "SO Tired!!" tt's PERSEVERANCE W5SUS/JOHN HAD A GREAT SEASON!! Dx poor UNTIL CQ/160 Test. Wkd 11 EUs w/ GI3OQR & YU3APR #94 & 95. Mar3 Gud! FG7,OK1,G3,DJ8,G3PQA/5Nø Fr #96!! &EA9EU #97!! THEN!! Mar11 W4PRO/CEAA #98!! Has 94 QSLs!! "Didnt believe possible Fm ARK.- maybe we'll make it to DXCC yet!! Fun w/rig this WINTER on Fla Beach

KøZK/ARN Going "GREAT GUNS" Early season w/ FOLDED UNIPOLE wkd JA5DQH,3ONB,1AF,5EZI,7NI.GQD,6LCJ,5DNU,1HID. JA5EZI warns tt in JA/land 190116.1802.4,1805.0,1806.8 Fys heavily QRM'd shud B avoided. Best QSO times Dec/Jan @ Kø 1300-1420Z, THEN!! Arn Sez "Jan5th xyl accidentally set alarm 6.30A inst. instead 5.30A. WOW!! @ 6.30 Band 1907.5-1912.5 JAM/PACKED w/gud loud JAs. Cld one CQ/Raised JALCFG - after tt it was Non-Stop pile/up w/9 JA Qso ina row!! Most hadnt Hrd B4, so assume QEPers. Really, a THRILLING opening!! (Yep, that's what makes 160 so intriguing/Challenging/Thrilling.) CONGRATS!! Arn uses Rotating Loop RXing w/J/fet preamp w/ Hi/Q Toroids. switching to change beverages. Quiet QT.

KøPP/KEN's VERSION OF FAMOUS "MINOOKA SPECIAL" ANTENNA (Barry Boothe/W9UCW/QST Dec74) Electrically same, but with unique modification of "Top-Load" & Coil. If you want a real effective 160m DX ant Fr SMALL SPACE, this is it. Arn's latest Dx 9Y4XX & JA3ONB. See QST & write KøPP for his "MOD" w/ big envelope and 36ø for posrage. Box 848 Annaconda Mont 59711. CONGRATS KEN and thanks for sharing!!

MORE FROM K1PBW ERNIE's LETTER "Still own my VFB QTH/Shutesbury & Hv not taken dwn verticals - all up - even beverages. All gear disconnected/stored/renting place out Nw. Cud reactivate svrl days, Bt probably Nvr W1. Hv Bot Victorian house in Greenfield Mass - Vy Diff -Nvr lived in Town Environment B enjoy it. Believe it's Gud to make COMPLETE change Nw and Then. This Change Fr me VFB & long overdue. Hvg finally won CQ/160 test and accomplished what I did at St KITTS, seemed like time to

HB9CM/PHILO & CLAUDINE returning to HB aftr 2 Mos in USA visiting Daughter/Etc stopped retire!!! at W1EB for VFB "Eyeball", just 23 yrs aftr BB visited him in HB9/Land & 27 Yrs after 1st ever Lichtenstein put on 160 by him, HB9CM/HE - his lone DXpedition there. VFB Visit w/ REMINISCING!!! BB's "New One" Country No.36 (Now 156!!)Philo Loves 160m and is always very active from Chalet & CONGRATULATIONS Philo, your wonderful contributions to 160m DXing over these MANY Years!!! home.

W4HY/BAKER who in 1978/1979 had an outstanding 160m Vertical and Signal, has made a decision, and is now devoting his life to Religious work. Has spent some time in Holy Land Etc. CONGRATULATIONS!!! Baker on this high endeavor and we all wish you happiness and success. Too busy Fr 160 Nw! GOD BLESS!

TERMINATION OF BEVERAGE ANTENNAS by K2GNC/Bill, now sporting 4 beverages. 550' @35 deg E/W Qui st one Antr 550' at 280 Deg.--Antr 260' @160 Deg, - and 4th, 1200' @35 Deg E/W. He has NOVEL SCHEM TO DETERMINE PROPER TERMINATING RESISTOR. For Resistor test set-up uses 500 Ohm Pot in series with a 250 Ohm Fixed Res., at Terminating end of ant. Pot is mounted on a plate and rotated by a 1 Hr kitchen timer!!!! You SET the timer at 1 Hr. Hurry to shack and watch BC Stn or other steady signal on Rx "S" meter, and plot time Vs "S" for an hour. Then all you have to do is to determine where the POT was, for the MIN "S" Meter reading. That's it!! Replace pot and fixed Res w/ one of the proper total value. Neat - Huh??!! BILL has invented a VFB small Lt Weight/strong 10-15-20 Beam, calls it the GIZA BEAM. write him Fr Info. FLASH!!! just got word Bill's stn was struck by lightning quite badly and w/ B of the air for while!! SO SORRY Bill!!! No Fun!! Anyway had just wkd EA9EU bringing him up to 82C. VFB! DENMARK=OZ7YY & OZ1LO/Leif were first two to wk USA when 160m band opened in OZ, QSOing W2LRL Dec 19 & Dec 21, then W1BB Jan 11. Since then Leif has wkd many otrs inc VS6DO, VK6HD, G3PQA/5Nø, VF6VAZ, NP4A!! ROUGHING IT!!! W4ZNH/Carl & Martha this winter TRIED put sum S. African Cntries on 160 but ran into sum scary experiences, especially in UGANDA!! Caught in Tanzanian Soldiers Roadblock -- Then at hotel descended upon by armed soldiers, guarded, accused of being spies, radio equip- & Passports taken. Finally at "long-last" cleared by high authorities. Got 160m dipole up later at night - in AM found it torn down - no time left-gave up. DID get on 160 in BOTSWANA. Only wkd ZS6DW. GREAT TRY CARL!! FUN??

WELCOME BACK OLD TIMER WB2DJI/VERNON 68yrs "young" sez; Bn off air 50 yrs! Real nostalgic THRILL to figuratively "Go back in time" & struggle for QSO in roaring summer static w/Otr stn onli 50mi away w/ tremendous fading hadnt hrd since '26!! Uses KEN520SE, 130' marconi - AV HEIGHT only 10FT!!! But w/ big fb Gnd Cpse! No "BIG GUN" hr, but Hv THRILLS - wkd VP9BO this AM got 59, Bigger thrill than wkg FIJ!

UB5VK/YU avid reader this BULL, sent much info USSR stns on 160m. (space not available - sri!) MAINLY the USSR boys VY active 1850-1855 QSK DX 1800-1805 & 1808 & 1845. Many Hv Bn wkd this 80/81. Tnx fr info YU. (W1BB is so happy to learn thru YU, tt old friend UB5WF, QSO'd on 160 1961 still ACTIVE! FB!

W6BYB/7/JOHN (Ex W6BYB/VE1 w/61C!!) Nw at BILLINGS MONT may move to Oregon Coast soon. Hates to Lv nice QTH, but winters RUFF!! 80/81 wkd many JAs. Three "NEW-ONES" HP2, VP2, CML making 43C & WAC V (Jc

OCEANIA DXing PROCEDURE SUGGESTED FOR W/VES If all W/VES would set their clocks ACCURATELY (By W.) and ONLY call "CQ DX" during the first 2½ mins of each 5 Min period mornings, it would prevent much smothering and QRM of the Weak OCEANIA DX stns. This allows EVERYONE a quiet 2½ Minute period to listen for DX! Of course, once DX is heard, and Calling/QSOs start, this schedule cannot be adhered to - but when this system used in past, it helped a LOT!! Pse lets do our best to minimize QRM!!

PARTITIONING been lots talk & hoping when we get new Expanded 160 band, it wl be divided CW/PHONE similar otr bands, so not so much trble CW vs PHONE as in past. West Coast a particularly hard prblm Needing to be done:: Decide Hw Mani KHz each, & where, to divide fairly. Otr prblm - to GET actual allocations. W1BB will NOT be able to coordinate partitioning movement. Talking w/ARRL, Vic Clark/ W4KFC & otrs, seems ARRL will work on it, but even they may not get it fm FCC. Matter very nebulous rite nw. ARRL sez best way to go abt it. Each one of 160 boys write to their ARRL Directors NOW!!! - (Dx, write to/thru whatever Society/Organization represents them) - State the prblm, Why partitioning is necessary, How to be divided, and why. Sum who hv already bn active are:: W6RW, recommends 1800 - 1840 CW, rest Phone. W7FS, 1800-1850 CW rest phone. W6XM, W7TO, K3EXD, NLAAR, K6DDO, W1BB & Otrs! 1800-50, etc wud allow keeping present DX WINDOW 1825-30!! GUD!! W1BB feels these suggestions are reasonable and would work. SOOOoooo... WRITE your Director NOW!! Some have already done it. Everybody's opinion Ps!

CONTESTS. Like BB has sed svrl times - this BULL makes no attempt to report contests - leaves tt to the sponsoring HAM magazine entirely. Nevertheless we do receive a lot of choice "Tid-Bits" on TESTS and if there is room, publish them. We hv a lot fr this issue - unfortunately NO space - real SORRY! and apologize. HOWEVER am having the TEST info w/sum otr items, printed on a SUPPLEMENT sheet. If it is not already attached to this BULL, send an SASE and/or IRCs & its yours! OK?? This should help!

REGARDING BULLETIN W1BB has expected for some time now, that each issue might be the last, and it might! That still holds - however, in the final analysis each time, really hate to give it up, and have been able somehow to get it out. We're not making any predictions - when it happens, it will just happen - no more Bulletin. Meantime, let's just "Play it by Ear" - as we have!! When and it becomes necessary to stop, and because it might be impossible to contact you individually aga please consider I've said THANKS, many THANKS, for your News items, letters, logs, comments and personal contributions in many ways - often through this Bulletin, to the interest and fun of DXing on 160.

SOOOooooo... for this Season, guess thats it!!

HAPPY TIMES always on 160, and B.C.N.U. come 81/82 season.

73 de Stew/W1BB

CONTEST ITEMS

CQ/SSB TEST OCT 25/26 Cdx Vy poor -Static incredibly high - absorption high. — WIBB wkd only KL7, VP9EO, VE1ZZ, PJ2GC. — N4IN/Don wkd Caribs only PJ2, KP4, HP3, VP9, HT8, TI5, CO2, HD1, VP5, KP, 6A, XE, VE
AndL/160 TEST DEC 6/7 Cdx NOT gud - absorption high — One nite W8LRL wkd only GD4BEG, HR2, KL7, KH6IJ, plus Caribs. WIBB w/limited time hrd Caribs only. BUT it was a spirited W/VE Test/party w/sum E-W Coast QSOs. — N4IN/Don wkd C6, HR2, FG7, 8P6KY, YU5, 4U1, CG4, G3, J73D NICE! — KL7HRK sez GREAT! Especial 2nd nite wkd W4s like Never B4! BUT No W1, 2, 3s!! — OK1DIJ/SIGI wkd W8JI.599 "Plus-10" & Otrs!! Inc Rare VT, RI, Me, NH!! — OZ1LO/Lief "Cdx disappointing. QSOd VE1AXT, (Hrd W8JI) JA6LCJ. (Hrd JA6JPS)"FB
CQ/NW/CW TEST NOV 29/30 Many Valiant contestants tried 160. W1 cdx POOR. WIBB wkd 4 only EUs, one SA & svrl NA Dx Stns. — NP4A (KL2M) on other hand, made 508 QSOs, 15 Zones, 39 Countries!! (I dont understand tt either - maybe AB!) — N4IN/DON wkd 36 DX Stns, most Caribs, also G3, GD4, ZL3, YU7, OK, DL, KH6. GREAT!! Carib & S path generated MOST DX except ZL, VK, KH6, KL7! — OK1DIJ/Sigi wkd NP4A 599!!! Hrd VP2KAE, EA9EU. Cdx to USA short-3 min only. Two New-Ones RG6G (UG6) & UMBMAO. 8zones 32C Bad Cdx Y
OZ1LO/Lief by using 160m getting 153 Qso, 27C, 7Z in 3 Hrs made 2.7 Megapts total (Last Yr 2.5 MegaP so 160 helped a LOT!!) and also TOP TEN!! AND!! 5 NEW/ONES EA20P, EA9EU, RG6G (UG6); UMBMAO, 4X4NJ, UO5ODB. Hrd NP4A & WIBB CONGRATS!! — SP9DH/ADAM 200 Qso, 30C, 7z, 7585 Pts inc RG6G, W6KG/4X, UMBMAO!! WOW!!! (In '79 Test 5712 Pts) — W9PNE/BRICE 260 QSOs, 48 States KV4, HP1, VP9, NP4A, KH6, 7J3D, YV5, G3ZY, SZA. Hrd EA8AK & WIBIH/PJ2. VFB!! ---

OVSV - OE/160m TEST NOV 16 WIBB wkd OE5KE and OE1NDW/3 — OE1KU/Willy Qso OE, OK/OL, PAØYU2, HB, DL, OH, GW3 for 1560 Pts — N4IN/Don wkd 10 Dx Stns FG7, GD4, OE5, DL2GG/YV5, DJ, OK, VP9, G3 and has 91C now!! Fb!

73/160m/ssb/NW TEST JAN 17/18 Was a very well participated in TEST, with sum big scores. However DXing Cdx Agn generally poor & Qsos few/far between - unfortunately the pattern for much of season. ZF2DX/(KØGVB-Gary) really put Grand Cayman on 160m MAP QSOing 250/160 during test plus 100 "Before/after". Most 160 ever fm ZF2!!! Lots Power Line Noise so rigged quick beverage/helped a lot! (Gary is EX KG4AN, KC4USS, KL7AWR, KH6SP, KØGVB/KL7, KØGVB/mm. 160/DXCC/30C. AB/323C, age42, Corn/Bean farmer/Iowa.

CQ/NW/160m/CW TEST JAN 24/25 As usual, (One Exception) CQ produced sum pretty fair Dx Cndx & a gud t t was had!! First nite/FAIR. 2nd Nite "eally OPENED UP, both Transatlantic & Pacific - JAs were e specially doing gud job into USA, they being helped greatly by shutdown of LORAN 1900Kcs. — WLWY/FRANK "Sat nite those Cdx/WOW!! DX WINDOW jam/packed w/sigs - knocked off top layer wkg 130-25Qso inc OZ7YY "NEW-ONE". (No Us or JAs tho) — OY7ML/MARTIN "Tried but NIL, concludes ANT just doesnt "have it" Sri! Hrd NP4A, W1RR, MX-VOLFB AA1K, W8IJI, K3WW, Otrs. — W9PNE/BRICE (Bk on aftr Yr layoff 160 becuz fa family health problems) 260Qso, 48 States (Missed KL7 & S.D.) ALL VE1-7 & KP4, HP1, VP9, KH6, J7ed YU5, G. Also Hrd 10 JAs 449-569/no Qso. JAs wkg W567s only, EA8, PJ2. WELCOME BACK Brice - GREAT WK!! — N4IN/DON wkd FG7, NP4, KV4, GI3, YV5, HP1, GD4, GM, VP9, EI9, PJ9, JD3, PAØDL, OK, EA!! Sez "Got BIG kick wkd Melbourne/VK from Melbourne/Fla Hr! Bn Gud Season!!

ARRL/AB/NW/SSB/DX TEST - 160m SECT MAR 7/8 — VP2E/JEFF(K8ND) "We did very well on 160m. 205 Qso - 48 Mult. (All-Bands 10,181 Qso, 331Mult a NEW WORLD RECORD!! and!! 160 MADE THE DIFFERENCE!!! -- Hrd JA30NB Mar 4th before test CQing, but wuldnt ans us. TEARS!! W1 Hv Bigger/Better Ant NEXT YEAR!!

CQ/160m/SSB TEST FEB 27/28 VP2EV/Jeff(K8ND) - 170 QSOs!! VFB!!

ADDITIONAL ITEMS

NORWEGIANS ON 160!! Per LA4ND/Stein of NRRL (& LA5HE/Ragnar). Special weekends allowed. Jun26-28 RSGB Test. Jul 10-12 IRAU RadioSports. Nov 13-15 RSGB Test. Nov 27-29 CW/NW Test. LAs 1810-40 on CW 10w Pwr. Hopefully permanent lic Jan'82!! ----- DENMARK ON 160!! OZ7YY sez "Remember!! OZs can only Tx 1830-50Kcs, listen Fer & Wk 'em There! LA cannot QSY to 1825-30. They Hv tried to wk split QSX LF but vy few QSDs. Wkg on their Fy best!! (Tnx WLWY/Fralk, one of the smart boys who DID work LA!!) WA7GCI/Bob sez: "FB fall opening to CK7BC&5BC both plus 10! -- ZL3GQ/Pete Plus 40! -- JAs: 1SHT, 3ONB, 7AO, 1COW/plus40! -- UKØLAU, N4ADY/KH2, H44DX -- KV4FZ, YV1OB, PY1RO, JA1PIG/Pz, LULDZ -- Sez: JA30NB, 7AO, 1COW, 2GQO, 5DQH Ea w/ to 57 Cntries battling Fr 1st JA/DXCC. -- Regarding "Partitioning", prefer None, let HAMS work it out self policing/Gents Agreeemt! ---Winter Cdx Gen poor -- many DX attempts dashed by non-DXers "Horring Arnd" w/o regard Fr DX/DXers. 160 faced w/real survival prblm DXwise. "Gents Agreeemt" slipping!" (Yea/sorry abt W/Coast prblm bob, BUT lets individually "Hang-in-there", do best can - maybe win 'em ovr! Best "Philosophy" guess - Maybe IS the ans??!! What think BOB?? VK, AL/CLARRY Fall Equinox not gud as 79/80, BUT wkd Sep3 K2GNC, W4DR, K4RPF, (Wa9EYY/Hrd ---- Sep23 wkd W8JI, ANO, EAS, 4EX, 7QID. ---Oct5 W8JI/599, W2EQS/589, W8ANO/589. Hrd W7FS, 4EX. Added more grnd metal. Ther W8JI Gv me S9plus 10/20! Maybe it DOES help! -- VKs active: 2WC, BAT, BTI, DAU, 3DQ, WF, AHQ, ALS, 4XA, 5BC, 5AQ. JAs scarce -- "Tried WbZYK NOISE REJECTOR - wks GOOD" - Vy useful! QSO'd W8JI 31 Times/'80 -WOW N4ADJ/KHZ/GUAM/JOHN wkd lot JAs, KP4KK/DU2, YB9ADE, AE6U. & is on 80/40 reglry. GLAD Qsyl60 fr Skeds!!

(over)

VK6HD/Mich vy active/successful! Since Jan1 wkd 10W1s (Needs RI&VT), 4W2s, 7W4, 1W7, 3W8, 3W9, 2W0 plus DU2, VS5, 9JAs, EL2, DL, F, 12Gs, GD, GI, GM, OG, OK, OZ, PA, SP, VE1, VS6, YU, 5N/RHK. Highlights: EL2FY (Hrd Hm 10 AMs and VE1BVL, ZZ exactly @ VK sunrise - long path 0. Hrd G3PQA/5N0. 34 EU Qso. Not many as '79/80 bt "quality" btr! Got his brother John/G3HCT interested 160 - QSO'd 4 times! CONGRATS Mich & John. Incidentally!! Mich/VK6HD wl be on ALL YEAR!! 1802-1807 QSK his Fy and! 1820-1852, at least 15 Qs /Month at his SR/SS times GMT which are at 11th ea Mo Jun2314/0919, Jul2317/0927, Aug2258/0947. Sep 2222/1006, Oct2144/1025, Nov2112/1051, Dec2104/1116. Jan2121/1127, Feb 2151/1112, Mar2213/1141, Apr 2234/1002, May2256/0931. GL w/ VK. — KASDL/MARV (Excellent 160m op!) (ExKJ6DL, KH6DL, K4KEW) Who put Johnson Isl on 160 DX Map/1977 now QRV 1910Khz - Hv an ear! — VE5XU/Gordy Hd great Fall Equinox S.R. Dx VK5QG, KL, BC-3SP-7BC. ZL2BT. ZK2PD, KP4AN, KH6AK. vfb!! — WB6ZYK/SAM's "NOISE REJECTOR", big success. VK5kl, Otrs, like it - Sam Nw building 1000' Bev "On small lot". (U hv us curious Sam!) — VS5RP/Bob Parkes: is on 160m & happy Fr skeds. Write P.O. Box 43, TUTUNG, BRUNEI. QRV/QSX 1805 100w rig w/ gud ant. FB! — UA0FDD on 1911 wkd W6RW /Roger & K6SE/Earl 1805 this spring - shud B more! — KL7HBK/JOHN (&xyl/Karen/CL7BN) sez upper part of band great w/loran off. JAs really crash thru 1902-1912. Congrats fr many KL7/160m Contacts John/Tnx — OK2FGU/ROSTI Congrats 69C/64!! He graduated Tech Univ & Nw AIR TRAFFIC ~~MAN~~/CONTROLLER BUT must do 1 Yr Military Service. GL!! Rosti. — WLJF/DICK wkg on differential amplifier to eliminate Static/Noise/Etc. GL Would be WONDERFUL!! if it will work on WEAK sigs,!!? — SP9DH/ADAM editor Polish "TOP BAND MONITOR" (And MANY Otr Gen'l HAM activites) is VERY active in every way PROMOTING 160!! , as well as WORKING much DX!! Sez 1981 "Fantastic"!! wkd RA9, EA8, UA9, VS6, VE1, JA5, KP4KK/DU2, EZ9, UK9, 4X4, NP4A, W1, s, e, 4, V01, EZ6, RG6, UM8, UL7, G3PQA/5N0, UD6, VS5, !! DXCC is 58w/39c, WAC & 18/11-WAZ!! CQ/160/CW?Test 239Qs, 4lmult, 48, 585Pts!!!! & Hrd mni Otrs!! - Sez:"160 needs PERSEVERANCE!!" - Rite/Adam om -CONGRATS Excellent wk!! — W8ANO/Waldo In Ham Radio 65Yrs, Nw has 111C/160! Congrats OOT/vfb! — WLHT/RALPH 160/pioneer. missing fm 160 4 yrs Nw sez W1 B on Agn '81/82 HOPES!! Small space/wl use Vert. Sez "One gud thing abt QTH all nearby power lines are UNDERGROUND, so perhaps CITY ELECTRONIC SMOG wl B low"!! Good News RATH & BCNU. Congrats LINDA/xyl & Jr Op "Jay" VFB!! — W4PZV/HANK Active w/GREAT season! altho LOUSIEST Band!! 8 "New-Ones", HK0, LU, GI, UK2P, 5N0, UK2R, OZ, Topped-Off w/JA2IAF for DXCC 88w/86c and "WAS" !!! Cheers & Congrats Hank - SUPER! (Hank also won 1980 ARRL DX Phone/160 single/band-single Op. HIS son Mark W4SVO won same test, 75Phone - CONGRATS both!!) — AA4M/Bill Qsl Mgr PJ2CC On 160, lyr Nw w/WAS at 49/49 (Needs KL7), DXCC 23/19. W/FT-90LDM265' Vert & 1500' Radials. FB start Bill-GL!! — N8EA/JOE-Gets out OK-Trble Hearing! But Nw W/ New 5acre QTH Plans Rx Ant TESTS. He&xyl sta ing Mailorder used book Biz, Mostly Technical & Useful to HAMS! GL! — GD4BEG/MIKE wkd OY7ML & OX3AX to make DXCC 110w/108c! Congrats!! — WD6ETH/ALLEN gg in fr QRP/160/5w, started by QSO VE7. GL&FUN!! — OJ0MA & OH0NA/Kee w/Drake TR7, 120' Hi GP ant, putting Finland & Market Reef on 160m DX Map -FI — G/swl NORMAN SMITH Faithful many many many Yrs!! STILL reporting, sez"160m Cdx especially poor this season, but a few New ones, OZ5RM, UA6YAO, UB5EFS, UP2, UA6YAO, EA5HM Otrs. VFB Norm & Tnx for "Hanging in there" - Congrats!! — OH2BO/ILMO sez "Condx SO bad, tnk wl "Pack-Up" Fr 2 Yrs or so - then cum bk when cdx really btr"!! (Maybe not bad idea, but not for sum of us! Hi!!) GL ILMO!! — WELCOME TO 160 K5MZG/AL formerly 80m DXer to Gve 160 a try. Has good 18" Water Table under ant farm shud help! GL/Al. — DJ4KW/GERD sez "Nomore special Lics required Fr 160m - opened to ALL hams, w/ highest Lic CL-B, 10w Out. Tnx info! — OK1MCW/MARTIN Nw DXCC/160-46w/38. Also New Jr Op MAREK/FB! — W9CG/RON Congrats 64w/63c 160m! Latest, HB0NL w/QSL in 10 Days! FT101, 51J4, BC/Vert. Great going Fr Mid-west!! — WA80LN/DON 40c/DXCC & 49s/WAS-Needs KH6! Just moved to 10 Acres 45Mi N Detre Detroit Fb Ant Farm Quiet QTH!! FB!! — SP5IKI/MIREH New FT101-2D & FV101-2. vfb Inv Vee. Doing wel w/ 51c/DXCC/160m! Needs onli VK/ZL Fr WAC. Congrats POLAND/160m Mireh! — N4SU/DAVE (Ex W9DL) Back w/FB Sig. Wkg DXCC-Nw66c. 10 Acre QTH/high Elev! GL! — OK1DIJ/SIGI Qso VS6DO/Paul Dec2, his #71 Nw 71w/66c CONGRATS SIGI VFB!!! In Oct he hrd or wkd W8JI almost EVERY AM - JI/599!! Oct8 wkd JA6LCJ 578! Nov, worst Cdx Evr /160! — K8CP/GREG Made WAS/160 Nov30 Qso KH6XX w/onli 5w^{fall} all stns except KH used 100w. CONGRATS/EXCELLENT!! FT301-SD. Inv Vee 55' Hi Inv L also, radials, two 500' Beverages Pretty well set Nw!! GREAT!! — OY7ML/MARTIN Tried hard this season to wk DX. NIL, except OX3AX. Concludes Tx ant poor. Wl make another this summer/Btr one!! Sri Martin bt FB ur gud try & BCNU 81/8: HE is often QRV 1834-1848 & QSO 1801!! Hv an ear!! — W9PNE/BRICE Bk 160 aftr QRT/yr/Health Prblms family. (Wkd 3 JAs '68) bt hrd 10JAs CQ/TestJan25449/569 Cdnt raise, were wkg W3670 onli. (See CQ/TEST Rpt-Ovr) ALSO wkd VK, FG7, JA1, CO2, HK0, KL7, HH2, FM0, CML. HrdYU, JAs, H18, KH6, C6A, GD4, FG0, CE0 EXCELLENT!! W9 — WB6ZYK/SAM's 1000' TV Twinlead "Beverage" w/Matching Unit & Terminator wrapped arnd 3 sides his house starts 6" Fm Gnd. Wks GREAT!! ORIGINAL - eh!! Fb Sam! — VE1AXT/BOB Hd Gud '80/81-8 New- s! 4U1, FG7, EA2, KH6, OZ1, UK2, SP9 DXCC/65w/61 & WAS/47.Nds KL7, Nev, SD. VFB Cdx W/Coast QSo W6BYB/7 30n. then Sask, Colo, Cal, Wash, BC. K6SE 599x2 WOW!!! — OK1JDX/TOM (Club/OK1KPU-wkd60C) Nw own sta w/mani, FB ants-Delta, unipole, Zepp, 3000' Bev, 300' Bev, Vert. Has WAC & DXCC/50C. 3yrs wk. a real "Country-Hunter Specialty/ant bldg/Test. "Thats why I'm not sleeping much"!! Congrats TOM ur FB avtivity!! — OK3KFI/CLUB/JULO(OK3YCC) Vy active/160m 60C towards DXCC/160. Has 5BDXCC#725 Wkg on 6BDXCC w/160. CONGRATS — DLLRK/JO (FOC 1131) w/OMNI D & VFO & "Sloper" doing FB w/ 44c. OHIO best DX. CONGRATS & GL Jo.

"The End"

de Stew/WLBB

PYLRO/Rolf

STEWART S PERRY
36 PLEASANT ST
WINTHROP MA 02152

HERE 'TIZ again - "Kickoff" for 81/82 Season!!

YOUR PYLMAG/PYLRO station has done an excellent job !!!

HAD a great visit here with HAL - great Guy!! Very "Gung-Ho"
DXing - SUPER memory f r calls/places/names etc!! Made
me envious, vs my own poor memory - Hi!!

SINCERELY hope that you are "Well and Happy", and that things
are going OK under the new arrangement!! SORRY you
have had to go thru all this - a shame!!

WE here are fairly OK - but my eyes still bothering, altho
believe better than they were. When HAL was here it was one
of my worst days, but got by fairly OK - Hi!!

Handwritten: 81/82

OCT 1. 1981

WIBB --- 160 METER DX BULLETIN --- WIBB ^{73 de Stew/WIBB} 1981/1982 - No.1

Since 1932

da WIBB/Stew --- This 81/82 Season on 160m, does seem like the start of a "New Era", as Ernie/K1PBW sez!!! With WARC/79 changes making possible more frequencies, more Power, more Countries, more separation of CW/SSB etc., -- 160 has every reason to "Perk-Up" and become more interesting than ever. We Hope it will!! We Think it will!! We Trust 160 continues to hold the CHALLENGE that it always has, of "Working DX the hard way" -- that the CHALLENGE will NOT be lost because it now has fewer difficulties to overcome --- that it will remain the "Gentleman's Band", and becoming more So! That it will keep it's Fascination of special accomplishments in experimental, research, testing, DXing, with many unusual and "FIRST-EVERs" resulting --- That the DX WINDOWS will be respected, even more so than in the past!! That an equitable PARTITIONING and use of frequencies will be found. That the BAND will be dynamic, full of smart, good-fellows with DXing close to their hearts, and plenty of interesting events to produce accomplishments for all!! ----- SALUDOS!! to all the faithful, hard workers, (and there were quite a few!!) who helped preserve and IMPROVE our status by their good work for and at WARC/79 -- and also to those who have and are now putting their shoulder to the wheel for a fair and good division amongst CW/Phone and various services for the best interests, while trying especially to protect DXing interests from difficulties. "KEEP UP THE GOOD WORK" and suggested reading is "160 METERS LIVES AGAIN" by David Sumner K1ZZ, August '81 QST pages 54-56!! Congrats to Dave and staff and to those who have sent in their comments/suggestions!! ----- It is WONDERFUL news, that as of May 21st FCC has lifted all USA restrictions 1800-1900 Khz. KW legal day and night CW&SSB. However 1900-2000Khz partially restricted as to powers because Canadian 1950 LORAN not "phased out" yet must be protected. Also there is a "hassle" going on about other possible services wanting "In" on some of these Fys. Hopefully everything will be settled here by 1982. -----As for this summer, been relatively quiet with low participation altho the PIs Hv Bn putting on a fine SHOW with many S9 and PLUS signals -- PYLRO/Rolf, ZAE/Hal, MAG/Paulo, ARS/Bob, CVR, and 2CW, supplemented by LULDZ/A1, 9EIE/Carlos and ZD8TC/Ted who has given many that elusive Island!! FB&Txn!! --- "Grapevine" sez there's been LOTS of antenna work going on, many pushing up height of verticals, ALSO!! Much activity getting LINEARS "all-set"!! --- From JA5DQH/AKI, who visited BB & Otrs this summer, JA2GQU/Kinji, 30NB/Yasuo, 7AOK/Tok, 7NI/Kinji & Otrs comes word JAs w'l be especially QRV W/Ve looking for EAST COAST usa Particularly DEC/JAN/FEB!! NEW JA FREQUENCIES!!! (Txn JA2GQO/Kinji!!) AUTHORIZED as of Jan 1 1982, CW only as yet, from 1810Kcs to 1825Kcs!!! They will lose present 1907 $\frac{1}{2}$ -1912 $\frac{1}{2}$ band few yrs Ltr One thing, JAs may not appear on new band too quickly as it takes a LONG TIME for licensing details. (Sorry they did not embrace the DX WINDOW 1825-30!! - we'll have to work this out!!) Btr Ck BOTH Fys Word Fm EU Cntries such as USSR (Mani Cntries), OZ (OZ1LO/Leif, OZ3DX/Hans, OZ1VY/Hal visited BB this summer & lkg Fwd!), SP, LA, Otrs anxious to "Get-Going"!! ----- A real GEM will be ANTARCTICA, Adelaid Isl VPSANT (G3CWI/Richard-an experienced 160m BUFF) on for 33 Months starting Nov/Dec 1800-1807Kc!! --- W8DNC/C6A & K8MFO/C6A w'l put a Real "Rock-Crushing" sig on the air fr CQ/WW/CW Test!! QSL-W8TPS. AND!! this is just a sample of the many "Goodies" that are in store for 81/82 on 160!! INTERESTED IN STATISTICS?? Follow the Sunspot Cycle with some, which, believe, shows up it's decline, Poor Condx and low "participation", quite well. From WIBB's LOG, shows WORKED for season '80/81, 44 Countries and 104 different DX Stations, or (44-104). ----- For '79/80 (52-139). '78/79 (58-161) '77/78 (60-180). '76/77 (67-194). '75/76 (66-180). '74/75 (49-144). Now!! How about 1981/1982?? SOOOOOOOOOOO..... Hope !yall Hv Hd a wonderful summer, and are back on 160 with full "Pop-Vin- and Vigor;" for the "CHALLENGE"!! Good luck and HAVE FUN!! DX -- DX! --- DX!!!

73 de Stew/WIBB --- and Marguerite! *How* b.c.n.u.!!

GD4BEG/MIKE's "SUCCESS STORY"!!! Last seasons Generally poor cndx, (w/Exceptions), led Mike to try a 2 El YAGI atop his vertical - to improve Eu sigs for CQ/160m Test. It did FAR BETTER than expected Originally frustrated trying to tune for Max Front/Back, decided could never achieve it becuz of the proximity reaction with verticals and Otr Ants. So I tuned for Max GAIN which was less critical. Then discovered, using remote field strength measurements, (Fm Kite w/432fm Downlink) that tuning vtr anything in vicinity of ant affected Gain. Now almost everything in area is switched & tuned for MAX Gain/each ant direction & makes marked Diff. Within 2 Mos wkd 10 New Cntries, Incl 6 to E, 2 in EU, 2, in Africa, ie::: UG6, UM8, 5N2, VS6, EL, DU, JA, VS5, EA6, LZ plus JA5DQH 2 Hrs before sunrise (His) after trying unsuccessfully for 5 Yrs!! Same w/VS6D0 ALSO VS5RP & KP4KK/DU2, both VY gud sigs!! Cant be sure these results due to ant or Unusual Condx - maybe coincidence - but like to believe ant!! Time wl tell!! This summer N/S path not too gud, but QSO'd LUIDZ, 8DQ, 9EIE--PY1RO, ARS, ZAE. Only sig fm west, VE1BVL cung in like local!! Mike's DXCC Nw 120/115!! Must wk CO ovr agn as CO2JA/wkd. In USA Nw left logs in Cuba - Hard Luck. Sez LZ Nw On 1810-1850 w/1825-1850 fr SSB. Pwr/1KW. YO & I Expected S: 160m "GET TOGETHER" IN HA/Land A wonderful meeting of 160m enthusiasts took place AUG 15/16 at home hosts, our venerable & faithful 160 SWLer JANOS HA5-142/swl, & lovely xyl MARY in Budapest. Present were 160ers ANNY/HB9YL, FRANK HB9NL/HB9NL, TRUDY/HE9RWW. They found JANOS a great Idealist as well as a real FINE "160 meter HAM"!! While now a SWL, all join in wishing Janos success in getting his license one of these days!! He can do it, and he deserves it!! Although his efforts as a "monitor" of 160 have been most interesting and helpful. MANY of us wish we could have been there when the "GOOD Friends (of 160) Got Together" CONGRATULATIONS and kind regards from many other friends, to Janos/xy THE "DX-EDGE" VERY HANDY ON 160!!! A Celluloid, well made and easy to use slide rule operating aid, is particularly helpful on 160m where it is useful to determine very quickly, sunset and sunrise times for any QTH in the world. Darkness and daylight areas, the position and shape of the "SHADOW-EDGE" can be seen at a glance!! It does away with Charts & Tables we've had to use for years, thus eliminating possible computation errors, and saving MUCH time!! An excellent help on any band but especially the LF bands. Write Tony Japha, N2UN, XANTEK Inc., P.O. Box 834, Madison Square Station NYC - NY 10159 for full info. Think you'll like it -- I like mine -- handy gadget to have around!! NEW 160m BULLETIN!! By VE3INQ/IVAN is being issued for CANADIAN 160m HAMS. It promises to fill a nee CONGRATS & GL Ivan, & ALSO for FY1ZAE QSO JUL27 0258z w/125' End fed wire, Bad Cdx, & RST449, New One ANTARCTICA G3CWI/Richard promises some real excitement. Will operate fm Rothers Point, Adelaide Isl as VP8ANT for 33 months starting Nov/'81 CW, Split Fy. TX/fy 1800-1807 W7 RACAL Tx & Rx! Some on winter wl hv 24 hrs daylight there, but soon as any darkness, W1,B On, after designing and getting up ant. QSLs Fr VP8ANT via G3ZAY, M Atherton, 41 Enniskillen Rd, Cambridge, Eng - send 2 IRCs. His Crd especially designed. All airmail - bureau crds take 1 to 2 yrs because POST vy sporadic to Adelaide! PY1RO/ROLF After making the "FIRST EVER" 7 Band WAC, by his 6 meter WAC, Sez --"Besides 160m, 6m provided a lot of Challenges too!! But Nw tt I Hv made my goal, expect to be bk on 160 more actively fm PY1MAG's super "HILL FARM" QTH where I wkd UK2RDX 599x2 'barefoot' 2 wks ago"!! Great Rolf, We've missed you - and you and the PYs have made a RECORD summer of it. CONGRATS to you and all the boys!! OKIDJI/Sigi's OUTSTANDING 80/81 ACTIVITY REPORT!! Winter Season Cdx poor/New Cntry Activity Gud! Wk DU2, EL2, EA9, 5Nq, VP2E, UG6, UM8. Cdx to W Vy poor, 93 W QSOs this Yr - 180 last!! Cdx to JA FB. JANUAR "Fantastic", band open 17/18z 4or5 hrs before JA sunrise. Sigs 599. Wkds:: JA2GQO, 3ONB, 5DQH, 6LCJ, FNI! CQ 160m TEST Qrv Dx only, 30 Qso Only, 23w/vc Plus JAs, 4X4 & NP4. No new or rare Cs. ARRL FEB "L TES Hrd NO Dx. Last Hr Wkd 25 Ws. FEB Cdx Pr. wk W5, 9, 5Nq, UM8. MAR wk W5, NP2, VP2E. APR-MAY As evry Yr Pr cdx/activity. wk VE/W, EA8, UA9, UD6, LU1, M1IPZ, LZ. CQ/WW/WPX/MAY30 Only LUIDZ! SUMMER '81 vfb cdx/activ wk LU9EIE (whose activity highly commendable) PY1RO ARS, MAG, ZAE, 6SB, ZD8TC, VE1, UG6. JULY Cdx Dwn Bt S.A Gud PY1ZAE like LOCAL 599plus! Fantastic! JUL/AUG Skeds w/VS5RP. Hr SIGI's scores, DXCC 78/72, WAZ 22/2 WAS 25/21. Needs Wa, Ala, Ky, La, Miss, NMex, Okla, KL, KH6. (Can anyone help???? Pas! Tnx! All 160m DXers psc note Sigi QRV for skeds anywhere!! Write SIGI KINDERMANN 5Np 677 44101 POBPRANY Czech. You'll be skedding a real live wire! GL) CONGRATS vfb job! (Sez LZ stns Nw Qrv & has hrd LZ1KDP w/ VFB SIGS). ZD8TC/TED-ASCENSION Isl (Fascinating Place) SALUDOS to U!!! & Much credit & TNX Ted (& IDXF) Fr keepi this "Rare-One" on 160! An EXCELLENT Job! Gave many "FIRSTS"! Fr example, JUL/LOG W7, 9-LU, EA, GI, OZ, F DJ, G3, GD4, OJφ, PAφ, OH2!! Previous Logs all are with N2CW his QSL Mgr. Uses Dipole Antenna Ay Hgt 25'-sum places only 6' off sloping LAVA formations. QRV/160 every Morn (Ex SUN) 0610-0645, also 2200-23C often & Btwn 1808-1810Kc w. FT101z. (Also on 14020-25 arnd 2000z. 160 Requires lots of listening hour & copying through "Mind-Numbing" Static! GL/Congrats & keep up gud wk Ted!! (Also wkd 44C on 6 Meter W1PL/Lacie for "Summer-Dx" wkd ZD8TC at 0615 JUN18!!! Also Hrd LU9EI! (On 17th ZD8TC Hrd Wφ, 8,) v LU9EIE/CARLOS 160/Newcomer wkd 30 Cntries, 6 CONT: W1, 2, 8, 9, ZD8, 5Nφ, CEφ, CX8, HH2, UD6, HB9, EA9, Oms-FE LUIDZ/ALBERTO MAY/JUN/JUL wkd FB DX-UK2, UC2, UR2, UT5, LU2, PY1, GD4, W1, 2, 3, 8, VE1, VO1, PP7. GM3, 4, G3, EZ5, LA1, OZ1, DL8, OH, OL, GI3, ZD8, OK, OJφGI3. WOW!! EXCELLENT LOG!! DXCC at 70C Nw!! Sez LU7XP also int. 160 VE2FOU/Pierre - CONGRATS!! 1st Season 80/81 DXing/160 wkd 33C, 45states w/Hawaii AH6BK got599! Only Needs KL7, Wyo, Nev, Ore, N/DAK fr WAS & Asia Fr 6BWAC! Uses 56' vert Monopole w/o Radials-60w. GREAT 1st season. BUT! wl be away & QRL College etcfr 81/82 - so "Low Profile This season. MISS you Pierre!!

FOCers OZ1LO/Lief, OZ5DX/Hans, OZ1ZY/Hal, W1HX/Norm, W1PL/Lacie dropped in on W1BB JUN2, Great "Eyeball" was enjoyed by all. Many Subjects discussed. Demonstration W1BB's 1912 SPARK transmitter, and especially 160!! "Tower" visitation where OZs cud luk longingly ovr Atlantic towards OZ/land. Lief v. GOOD 160m activity for 81/82. W1PL sez he wl b on 160 VI consistently to coax them along. SOooo "Have an ear" for the OZs. CONGRATS to OZs back on 160 after so many years!! & a "New One" many!! FB de ET9J/PADDY (Long and Faithful 160m DXer!!) Lately gud openings less frequent, so only QRV once/wk (Sat pm/Sun am). U Hv 2 B lucky to hit best cndx! (Recently wkd PYLMAG & LU9EIE!). "Activity" is Vy low! Feels 160 needs more ORGANIZED activity to make most of it. NP2A came thru well on 2 wk ends, otherwise "Dead-Band" mostly w/nothing eventful. Luking Fwd to 81/82 & "New-Ones" -- b.c.n.u. Paddy! SP9DH/ADAM Has wkd 59C & 18Z!! Congrats!! Is editor for VFB SP "TOP BAND MONITOR" Bull, of the SP 160m KLUB, "Created to promote developement, DXing, propagation research on 160m Band" (In Polish) Top SP men on the DXCC "Totem-Pole" are EP5IXI/61C, SP9DH/59C, SP3DOI/42C & SP3FLR/44C of 35 Station actively listed. CONGRATS to all participants. GL SPs and b.c.n.u. too, this 81/82!! Best Wishes!!

W9CG/RON sez "8Q/81 not productive unfil FEB, then 9 "NEW" Cs!!! YU3FF, ZS6DW, OA8V, VK3MR, VS6DO an excellent QSO made WAC fr me. Paul's tremendous sigs thrilling. (am Nw DXCC 72/70). Then EA8QO, EA9EU. W4PRO/CE w/ tremendous sig & FB Opr Job! Finally ZD8TC. Dont like LKW Pwr - afraid DX wl BSmothered however 'Twill make the CHALLENGE, which is the REAL fun, that much greater! Still hoping Fr my drea Ant Farm - lots acerage/tall trees/poles. Opr time hr limited but Wl do my best! GREAT Ron -CONGRATS

KH6IJ/KATASHI (Via lovely "Scribe" MATSUYO) ^{xx1} Continues to improve fm bad stroke svrl yrs ago, w/Therap Riding bicycle exerciser, & writes FB Radio Column regularly in Honolulu Star Bulletin. Katashi Sez Nary Feldman is on U.S. POST N. Honshu/MISAWA & wl cover 160!! (As KJ6DL Marv put Johnson Isl on 160 in '77.) Call is KA8DL!! Tnx Katashi. Keep up the gud wk on all fronts. GL/73 "de"the whole 160 gang!

VK5KL/Glarry sez "Cndx poor 80/81 BUT w/ flashes of Gud DX. Solar Flux bn arnd 300 mark! My Highlight Wkd W8JI/Tom many times & JA3ONB, 2GQO new Yrs Day! Followed w/ VS6DO, JH1LKM, K2GNC, W8ANO, & FEB14 "At Long Last" ZS6DW!! -JA7AO, JH5DNH, JA2YEF, JH6DNU, W3VAN, W8LRL, W8ATO, W5SUS, H44DJ, VS5RP. Then MAY16 wkd NORFOLK Isl VK9NS. Nw Hv 12G-5Cont. Hope Ernie K1PBW gets bk/thrills us agn Hr w/tt BIG SIGNAL!! W1HT too/hope!! We miss PY1RO! John/VK5KO not too active Nw spends lots time w/family but sends 73 to GAN

SUMMER VISITORS -OUTSTANDING 160m DXer JA5DQH/AKI & friend JA5OVU/Tom had FB USA visit touring whole C, visiting many HAMS: KG7D/Bob, W8JI/Tom W8LRL/Hal, K2GNC/Bill, W5SUS/John. W1BB/Stew & OTRS. Tnx/GL!!

KG7D/BOB (Ex WA7GCI) Psd w/fair season. Wkd YB9ADE/Indonesia, who is QSY 1803Kc 0500-0530. 100w, Inv V apex 150' also: W4PRO/CE, PYLMAG, ZAE, ARS, LU9EIE KP2A/D, VK2NSG, 3IM, BEE, WP, 4HD, 6HD. Plans New QTH/ANTS. 1/2 acre w/tall trees, &!! NO POWER LINES NEARBY!! "Hv noticed svrl stns short cutting DX QSOs with RELAYS of rpts to them by Otr "Helpful" stns - an age old "EGO" problem - such stns shud be disallow DXCC credit" (BB & otrs hv noticed some of this ovr the yrs and "raised an eyebrow". We hope there'll be less to ZERO of it in future since it is admittedly less than high quality DXing) BOB wrote fine letter to ARRL/K1ZZ re PARTITIONING, Hv You?? Bob changed call to KG7D becuz took so long to send Ot

VK6MD/MICK in spite of poor condx covered 160 faithfully - not much but did glean EA8AK, VK9NS, ZS5LB, WA7ILC & Otr VKs - not bad!! Thinks a 20m worldwide NET, say 14260 to cover "All the latest" on 160 would be very helpful!! Good idea to explore further. Anyone w/ideas might write Mick! 73/GL B.C.N.U

G/swl NORM SMITH Had excellent 80/81 Tnx to higher & Btr Inv V Beam. Especially FB on VU, YB, Guam, ZL, VK, Eu a "cinch" - W2, 1, 4, 5, VE1-EA9 VP2, ZP, EZ5-Us galore & Unidentifiable JAs. Norm gets around in his wheelchair great now & went for "Holiday" this summer. Luking for a new FR370ORx or equal! 73/GI

K7GCO/KEN (Western Research Labs-Commander ANTS etc) Bn experimenting w/Variou ants on various bands sez "One of my simplest was a wire abt 25' long that went out to a Gnd Rod & Tuned w/a 500mmfd cdx c on 160, SWR 1.3/1 - Wkd a W6, 100 Ml on Gnd Wave, got S7 rpt". Dont recommend this for DX tho!! Whi!!

73 MAG 160m/SSB TESTS - LAST TEST JAN81 -- High DX Scores:: SP6IXI/360Pts, HPIXRK/6460, DF2LM/11700Pt G6ADV/49590, ZF2DX/73505, No logs rec'd fm KL7 & KH6. (Tnx Ed/K3IXD) -- TOP-SCORE/single W8LRL, Top-Score Mult/W4CN, MOST QSOs K6RF/804, MOST COUNTRIES W8LRL/15. Total Participants 914. A fine TEST!!

COMING '82 JAN16. 17'73Mag SSB/160 TEST wk many stns possible in 36 Hrs/single OP-48Hrs/Multi op. 5pt Ea w/ve, 10pts Ea DX. Mult is 1 per state, VE Prov., DX Ctries. Score Mult-X-QSO Pts. Entries B4 FEB 18. Write WA2GZF/Dan Murphy, PO Box 195, Andover, NJ 07821, for logs, forms, full info.

K6DDO/DAVE 80/81 wkd VS5RP, VS6DO, F08GM N4TO/KP4, ZL3GQ, NP4A, UP2EV, Many JAs, KH6, KL7. GREST!! Sez; VK1PC & OZ6XT active. Re PARTITIONING 1800-50/CW, 1850-2000/SSB. KEEP DX/WINDOW 25-30. Important to Hv JA

W1 YK/SAM Sez: 80/81 lots ant testing. His 1000' Bev wkd out FINE! Quieter than loop. Has 6 Rx ants Bt BEV & LOOP best & with his NOISE REJECTOR can Rec thru most any QRN/NOISE. Sez was 'funny' Year band mostly way down, absorbption highest ever - BUT wkd 6 "NEW" Ctries on those UNUSUAL openings His 1000' BEVERAGE information is to be published soon believe, in 73 MAGAZINE. WE'll be lookin Fr

K2GNC/BILL After 80/81 QSOing "FIRST EVER" (E/Coast W1, 2, 3,) JAs spent summer doing more ant wk - Nw has vert up to 88' (Love & Kisses) Fr 81/82. Has done VFB already w/VK/ZLs (Equinox), concentrating or the "New Era" of 160 w/ his LINEAR & new ant!! FB and best of success BILL om!! HAPPY DAYS and NIGH

W8LRL/WAL-UNDERGROUND ANTENNA, w/xyl&Girls visited W1BB JUN26. Vfb "Eyeball" plus WAL's rpt on use of Underground ant per K7LFY/Bob's and W7QID/Steve's developmental work. Wal confirms Bob's rpt that the underground ant OFTEN works BETTER than beverages and dipoles!! Interesting/eh??!! **LA5HE/RJ** active 160 opening in LA. NOW, moved & w/ B OZ8RO 81/82. Congrats! **WA8MOA/BOB** home fr 2 mos enroute back HZLAB & w/ cover 160 & otr bands! Stopped at W1BB, fine chat **DJ4KW/A-GERD** who has done such FB Job on 160, gg try do btr. Moving to new/Btr QTH fr ANT farm!! GL! **K8MIO/STEVE** age 16, Vy interested LF DXing starting w/160. Welcome & GL! **OJ!!-LA5VAA/OJ**, grier Relays via W1HZ - He w/ B QRV/160 on OJ this season & would like skeds - Write STOKKELAND, 6390 UESTNESS, Norway. (Tnx/W1PL NLAAR Now N4DUP! Bob moved to Charlottesville Va, Owns/Operates 2 AM/FM Stns & Just rebuilt 'em - No 80/81 time for 160 due move. BUT "gettin ready" for fall '81. QTH 5 Acres on beautiful golf course Estate w/500 more acres around him. 12 Mi out of town, only 9 houses on whole place. NO NOISE. Lucky! **F8VJ/LUCIEN** Excellent results fm 330' "Mini-Bev", across road fm house in field. Can Hr sigs nw tt as impossible to hr on Inv V Tx ant - EVEN THO HV transmission lines fairly close by. VFB!! **W4ZR/HAL** Cheers!! Afr spoiling a 160m season, Pwr Co found and replaced defective Equip - brought NOISE Dwn Fm 9plus40 to S6/S7, which puts HAM Bk in Bizz/160. Wkd GI3OQR, FMOFOL, F8VG and Nw DXCC at 69C. **EXW1WQ** **W8JI/TOM** "all-set" w/phased loops & High Ants!! Hv U noticed, whenever he calls DX, he almost always "Gets his Man!!" Great Station!! **J82GCO/KINJI** who is (Believe) #3 JA 160m/DXCC man, in 81/82 W1 look Fr E.COAST Ws. Building special sloper. In past has HEARD W1HT, K1PFW, W1BB, K2GNC, W2QD, W2FJ & WKD N4WW, AA4V, K4UEF, W8LRL!! Also uses Inv V & DELTA Loop. Congrats KINJI Vy FINE!! **W7TB/LEW** 80/81 wkd CMLRH, HH2UP, FG7AM, 4B4MDX, plus many JAs. DXCC Nw 63/53. **HRD N4ADJ/KH2** & **UA6ZCY**. Got 449/swl rpt de UA6/Mongolia. VK6HD BOOMING in. Installing full Wve zepp across nearby canyon agn, 400' High far end 110' house end. QRV 81/82 w/ 200w/805 & homebrew Rx! GREAT!! **C3XWZ/FRANK's** 361 full size fixed YAGI 220' High!! Sez; nice Nw to Hr W/VES w/such STRONG sigs, many S9plus20. GREAT/SUPER, WOW!! GL/81-8: Now planning **SIX** 31 YAGI 220' high!! Tremendous!!/GL. **W7BYK/BILL** w/ASTRA 103 wkd VS6DO HONG KONG & W4PRO/CE/A **EASTER** Isl, also KP2A Desecheo Fr "New-ones" CONGRATS. Otherwise 80/81 abit slow. Wrote FB ltr to ARRL re PARTITIONING 160!! **KC3W/BOB** Bk HAMMING w/"EXTRA" Afr 20 yrs. Looked in on 160m, & sez: "HAMS on this band are a GOOD BUNCH of fellows. They are helpful and persevere in spite of overwhelming QRN at times" **W7FS/KEITH** likes ARRL suggested partitioning by K1ZZ QST/AUG/'81 p54. Hopes all the gang w/ like it!! **OE1KM/CARL** First OE on 160m starting 1946 w/ B QRV 81/82 start. Sep/Oct every day -especially CQ/WW/SSB/TEST! VFB & BCNU Karl. **W1CF/DANA** ATCHELY, Ant "Buff" who recently gave excellent talk on 80&160 LF ants at Chicago Radio Club, w/ Nw B on w/ SUPER station, in Rare DUKES COUNTY on MARTHA's VINYARD Isl, Mass. using full half wave slopers (3) fm his FM Station: 200' tower, w/ TS820, ML2500 & Beverages for receiving. WOW!! (That is, if all this doesnt disrupt h: Comml FM BC stn's computers and/or listeners etc.) GREAT EFFORT! GL Dana - sounds real neat! **W6XM/** using 25w, experiments w/ ants-sez: "what we need is a gud 160m ant HANDBOOK! (Yeah wud B nice!) **N4ADJ/KH6/JOHN** Who did VFB 160m job as KH2/GUAM 80/81, wkd among otrs KP4KK/DU2, KH6XX, K6SE, AE6U, KH6J /KH2, VS5RP, VS6DO, YB9ADE & 1 VK -- will Nw B KH6 Fr 3 Yrs - listen Fr him!! **"DXing TIPS on 160!"** suggest you write KG7D9Ex WA7GCI/BOB for copy his article appearing in the "WESTERN WASHINGTON DX CLUB" AUG '81 Bulletin! Vy Helpful! **VS6RP/BOB** CONGRATS outstanding 80/81 Job w/ 39' T ant & 40, 150' radials, wkd VK3, VK6, ZL, JA, 9V1, VS6, DU2, KH2 GD4, G3, SP9 & Svrl W6s. ALSO VOLFB was wkd AGAIN fm VS5. Last time 18 YEARS ago!! SUPER, Bob! - wish 'U still there!! **K5YY(K5QHS)SAM**. Congrats! your 160m/DXCC #18th & FIRST one WEST of Mississippi w/ 115/115 Nw. Sez: 7 yrs HARD WORK! (But Vy satisfy & worthwhile, SAM!) A great DX/Booster, Sam made many DXers happy fm his 1980 Pacific Trip to 2KZ, A35, KS6 etc. VFB!! **W2DYH/EMERY** getting New 1/2 wve Inv V & anticipating 81/82 on 160. GL om!! **WB4OSN/JOE** DXer, wkd E8AK & Otrs w/new shunt fed tower w/20Radials plus 15'x30' steel swimming pool Gnd. DXCC at 40C & "Gung-Ho" Fr more 81/82!! GL **K7BTQ** & **W7FS** wkd YV9ADE & ZD8TC WOW!! (Tnx W1PL) **W4DAQ/MAC** welcome Back 160 after 44 yrs absence. (Since 1939). 1/2 wve dipole 60' High. "Missed Yuh" **K1MEM/JIM** 1st full 1.8 Season wkd 53C inc LU9EIE & LULDZ. VFB considering poor cdx! **W1JZ/MIKE** wkd 57C 80/81 w/T4XB/R4B & Inv Ant @ 90'. Nw JUST WKD VK5BC SEP19 afr trying 5yrs Thats PATIENCE and PERSEVERANCE!! Congrats Mike. His DXCC is 61C/55 really climbing!! GL!! (Sez K7ZZ/DON W1 B K7ZZ/HB/ Fr CQ/WW/SSB/TEST **N1AFW/STEVE** Newcomer w/820S/33' Base loaded Vert & Radials wkd VK2, KV4, G & Vy happy. Wants PARTITIONING soon! Welcome/Steve & GL. **N4SU/DAVE** retiring after 40 Yrs w/ A.T.&T. new QTH King/NC. W1 hit 160m hard w/vfb ant farm. Sez "lotsa Work but fun!" bcnu/ **K6HA/BILL** w/KW & 5 short spaced vert Elements looking Fwd to much fun 81/82!! GL/Bill! **WB4ZNE/CARL** (&Martha), Noted Fr their DX/Travels, especially 160m Nw has Light Wt LINEAR to accompany them. - Gud news Fr US DX/hungry fellers! Tnx/GL Carl! **W8ANO/WALDO** O.T. & on since 1915, WAC/160 & DXCC/160 has already wkd 26 '81/82 foreigners. Hoping for "Big things" 81/82. GREAT start anyway!! Another g... who usually "Always gets his Man" when he calls!! **W9UWA/JOHN** 6 "New-ones" last Yr - Nw 66C, Now, "On towards DXCC"!! **JORDAN** and **YEMEN** - **N2KK/DAVID** Leaving Nov 15 fr JY & 4W amongst OTRS, Hopes for 160m coverage w/ ML2500!!! We're hoping too David!! **W1FB/DOUG** (QST Tech Ed) active 81/82 on 160 W1 Hv QST articles on ACTIVE LOOPS & HALF SLOPERS. REMEMBER?? His past VFB articles??!! ALSO!! BEV Ant article by Mr BEVERAGE himself!! (Nw Ov 80 Yrs Young!) Wonderful!! We/all wont miss THATone!

OCEANIA DXing PROCEDURE SUGGESTED FOR W/VEs (Repeated from BULL No.2 80/81, especially for Newcomers but also as a 'reminder' for ALL of us!!) If all W/VEs would set their clocks ACCURATELY (By WWV) and ONLY call "CQ DX" during the first 2½ minutes of each 5 Min period when DXing mornings, (Sunrise), it would prevent much smothering and QRMing of the weak OCEANIA Dx stations. This system allows everyone a QUIET 2½ minute period to listen for DX! When adjacent W/VE Stns, especially now with the KW boys CQing while others are trying to LISTEN for the Weak QSBY DX, it makes reception almost impossible in many cases. We have to remember too, that everyone doesnt Hv the highest selectivity, using 8 pole crystal filters, IF filters, etc that some do. Transmitting 2½ Mins, then listening 2½ Mins, gives EVERYONE a real nice QRM/free "LISTEN", & a very satisfactory feeling. Of course, once DX is being heard and called this system cannot be adhered to, BUT should always be reverted to whenever no DX is coming thru. This system has been used in the past, many years, and has been very effective and helpful. Pse let's all do our best to minimize QRMing each other!! (This system can and should be used also any time when W/VE and DX stations are working on essentially about the same frequencies!! Another thing that helps a LOT when OCEANIA path is open, is for W/VEs not to engage in LOCAL W/VE working on or near the DXing fys, or with West Coast stns. Theres PLENTY of other times for that, especially when OCEANIA "PEAKS UP" and signal come in for so short periods at SUNRISE mostly, only.

ALWAYS RESPECT THE "DX-WINDOW"!! (Or WINDOWS - we have one Nw at 1825-1830, but with implementation of added Fys per WARC/79 and ARRL/QST Pge54 suggestions, may Hv 2, or 3???) No W/Ve stn should EVER operate there!! K2GMF/TOM brought up a "GOOD QUESTION" about this - sez, "What do you do when Dx LISTENS ONLY in the DX WINDOW???" Told him the "Philosophy" used by many of us OT 160m DXers is; (1) If no one else calls or answers him IN THE WINDOW, you call him yourself repeatedly from the nearest window band edge to him, until hopefully he will tune up and down off his fy, (and they usual do!!) come across your fy and answer. If he doesnt, let it go at that. (2) BUT if others are FIRST calling/working him IN the WINDOW, and if he is a "New Country" to you, then in self protection you dive in, work him, & get out QUICKLY AS POSSIBLE. The feeling is, that this is "The Exception, that proves the Rule" HOWEVER, if he is NOT a "New One" to you, you just Listen. "REPEAT" DX QSOs do not justify an "Exception"! (3) THEN, "after the fact", when you QSL, you explain yhe situation asking him in the future to (a) Please give a QSX Fy outside the window. (b) Please do NOT answer anyone calling in the window. (W/VEs that is!) This is because DX usually only do this, (listen and wk on in DX window), when they do not fully "know the ropes", and are most happy to cooperate when they do understand. SOOOOooooo..... anyway, that's the philosophy and prectice of many 160m DXers. It is necessary to RESPECT the DX WINDOWS, if we are going to have good DXing for ALL, on this band!

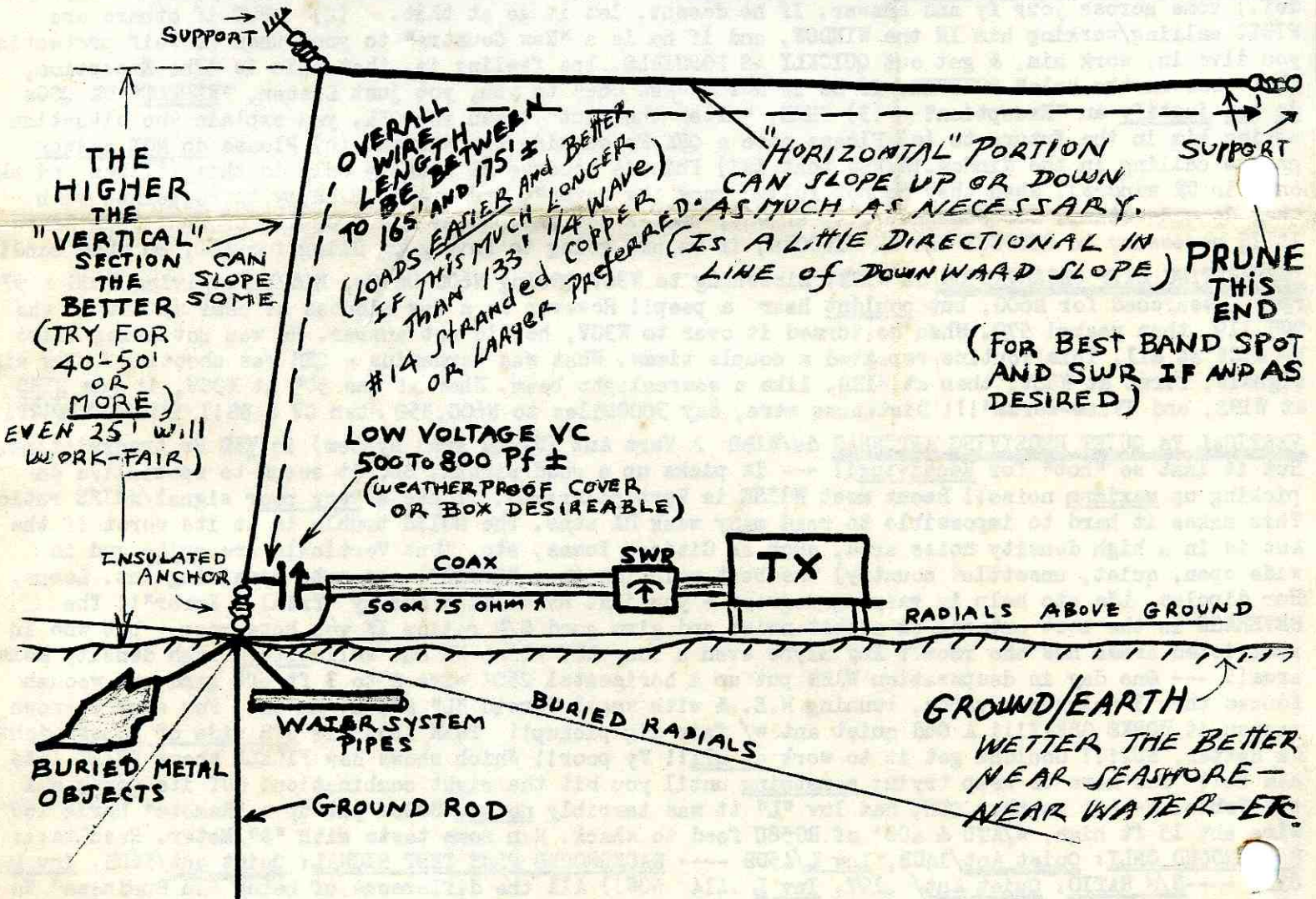
INTERESTING SKIP OBSERVATION de W1BB. Listening to W3CV QSOing N60G 0630z, Mid/SEP, giving N60G a 579 rpt, I searched for N60G, but couldnt hear a peep!! However in a few minutes he came up out of the MUD 119, then peaked 579. When he turned it over to W3CV, he did not answer. He was not being heard by W3CV at all. This routine repeated a couple times. What was happening - QSB was shooting W60Gs sig signals, first at W3CV, then at W1BB, like a searchlight beam. When it was 579 at W3CV, it was ZERO at W1BB, and "Vice-Versa"!!! Distances were, say 3000miles to N60G, 350 Btwn CV & BB!! INTERESTING??!!

VERTICAL Vs QUIET RECEIVING ANTENNAS de/W1BB A Vert Ant (W/gud grd system) is VFB Fr transmitting. But it isnt so "hot" for Receiving!! --- It picks up a good signal, BUT it seems to specialize on picking up maximum noise!! Becuz most NOISE is Vert polarized. It has a very poor signal/NOISE ratio This makes it hard to impossible to read many weak DX stns. The NOISE truble is at its worst if the Ant is in a high density noise area, such as Cities, Towns, etc. (But Verticals are quite gud in wide open, quiet, unsettled country) The best solution is a "QUIET", separate receiving Ant. Loops, Hor dipoles, LWS etc help in varying degrees - you just Hv to find out by "Trial & Error"!! The BEVERAGE is the best antenna to combat noise and give good S/N ratios IF you have room - but who in restricted areas has the room?? And maybe even a long BEV wldnt Wk out well within high density Nois area!! --- One day in desperation W1BB put up a horizontal 250' wire 2 to 3 ft off grd, on wooden fences thru 3 neighbors yards, running N.E. & with small Toroid "L" ATU at Rx end. For some unknown reason it WORKS GREAT!!! A Gud quiet ant w/ fair sig pickup!! THEN that one OTR side of house might Wk Better. BUT!!! Couldnt get it to work at all!!! Vy poor!! Which shows how FICKLE these QUIET Ants can be!! You have to keep trying something until you hit the right combination. BUT its worth all the Trble! --- At another QTH, had Inv "L" tt was terribly noisy, SOOOo put up a "Remote" horiz 165' wire abt 15 ft high, w/ATU & 400' of RG58U feed to shack. Ran some tests with "S"/Meter. Results::: BACKGROUND ONLY: Quiet Ant/14DB, Inv L/45DB ---- BACKGROUND PLUS TEST SIGNAL: Quiet ant/56DB, Inv L/83 ---- S/N RATIO: Quiet Ant/ .197, Inv L .414 WOW!! All the difference of being "In Business" Vs "Out of Business". (Bear in mind that Inv L, (Equivalent of TOP/LOADED Vert) is not as noisy as a full ¼ wve Vert!). (A Pre-Amp is often Vy helpful w/ these quiet Ants.) --- Object of this "Wheeze" is to show that "Playing around" w/SIMPLE Quiet Ants in otherwise seeming helpless circumstances, does often pay real good dividends *- at least it did in two cases for W1BB - THANKFULLY!!!!

"THE END"-Hope YOU/all "Fine & Dandy" & QRV/160! EBs doin fairly OK, except HATE to Hv to Gv up many exciting FUN/filled nocturnal DXing hours! Dont we "Old-Timers" all?!! 73 & GL -- de Stew/W1BB

160 METER INVERTED "L" ANTENNA SUGGESTED BY W1BB

My results from building, testing and using several of these antennas, makes me want to suggest the inverted "L" to many who write for help, and others wishing to know the best way to get going well on 160, with a reasonably good antenna. --- It is an excellent antenna for beginners. Also quite good for anyone who wants a fairly quick, easy and reasonably effective antenna for Local and DX!! --- They are inexpensive, easy to install, tune up, load. For DXpeditions or portable easy to pack and carry. --- They are good on both transmitting and receiving. It is NOT the "Ultimate" 160m antenna, but fine for a start, and even good enough to be your permanent Antenna, especially if High, well put up, and with good to excellent GROUND system. The better the ground, the better the performance. RADIALS work fine - many as possible - but even one, under the horizontal portion, does a fair job. Have tried 1 to 5 & performance better with each one added. --- The Inv "L" is in effect, a TOP-LOADED Vertical. Have worked GREAT DX with mine, having two of them in general use, about 50' high. --- Think of it as a good substitute for the full $\frac{1}{4}$ Wave Vertical you wish you could have, but cant!! And accept it accordingly. But remember, it isnt the ultimate!!; --- Please read and pay attention to the sketch notes carefully, especially regarding overall length. Simply tune VC for lowest SWR, usually 1/1 or close. It is not as NOISY as a straight vertical for receiving, a "Plus"!! S0000oooo.... GOOD LUCK and BEST of DX!!!



THE HIGHER THE "VERTICAL" SECTION THE BETTER (TRY FOR 40'-50' OR MORE) EVEN 25' will WORK-FAIR)

OVERALL WIRE LENGTH TO BE BETWEEN 165' AND 175' ± (LOADS EASIER AND BETTER IF THIS MUCH LONGER THAN 133' $\frac{1}{4}$ WAVE) #14 STRANDED COPPER OR LARGER PREFERRED

"HORIZONTAL" PORTION CAN SLOPE UP OR DOWN AS MUCH AS NECESSARY. (IS A LITTLE DIRECTIONAL IN LINE OF DOWNWARD SLOPE) PRUNE THIS END (FOR BEST BAND SPOT AND SWR IF AND AS DESIRED)

LOW VOLTAGE VC 500 TO 800 Pf ± (WEATHERPROOF COVER OR BOX DESIREABLE)

IMPORTANT!
THE BETTER THE GROUND
THE BETTER RESULTS !!

73! de New/W1BB
10.1.81

NOV. 1 1956

W1BB 160 METER DX "AWARD" CERTIFICATE

Beginning with the 1956-1957, 160 Meter DX season, W1BB will send a handsome, appropriately lettered "AWARD" Certificate, to all DX stations working W1BB on this band, if they request it.

For Countries where this is a "FIRST" recorded "TOP-BAND" QSO, between that Country and "W-land", an extremely special and attractive lettering job will be done on the Certificate, by a commercial artist, to adequately commemorate the event!!

This Certificate is in effect a "KING-SIZE" QSL, measuring 10"x14", beautifully colored, on heavy durable white paper, suitable for wall mounting or framing.

DX stations who have worked W1BB in past years, and any previous "FIRSTS", may have a Certificate, back dated to cover the QSO and event if they request it.

In addition, Dx SWLs who send in 7 or more verified reports on W1BB's signals, or have in the past, may also have a Certificate upon request.

73
de

Stew/W1BB



W1BB
ANNUAL
160 METER DX
LETTER

Dear O.M.:—

At the start of another Season, W1BB sends GREETINGS with 73!!!, and the hope that you will take an important part in the 160 meter DX activities!!!

Working DX on 160 is challenging, and extremely interesting. Conditions such as static, BC harmonics, QRM, Loran, QSB, noise, all require extreme patience, with perseverance, a top-notch station, and A-1 operating ability. There are SPECIAL, TRANSATLANTIC and WORLDWIDE 160 Meter DX "Tests", and the ARRL and CQ, DX Contests to participate in. (See below in this bulletin). There are many "FIRSTS" yet to be made. Many unusual conditions to observe and cope with. One gets anew, the thrill of the early Amateur Pioneer days when HAMS were first relegated to "200 meters down", and Paul Godley made the FIRST Atlantic crossing via Amateur Radio. In addition, you will meet many friends among the finest and most sincerely devoted HAMS you would ever care to meet -- these "Top-Band" boys !!!

Your participation here will also help to promote Amateur occupancy of the band and assist in keeping this 160 meter operating privilege. In addition, you will help to develop PROPOGATION information of real value to the art.

Through these BULLETINS issued during the season by W1BB, reports on your activities and accomplishments, and all information of 160 meter interest, will be sent to QST-CQ-SHORT WAVE-DX-WESTERN RADIO-VOM-DXing HORIZONS-FLORIDA SKIP-Radio Propagation Editor/CQ, magazines, etc., for publication. Be sure to keep W1BB well informed of all your 160 Meter exploits and results, etc.

In case you personally are not particularly interested in 160 Meter operation, "Test" schedules, DX Contacts, or unable to work this band - PLEASE pass this BULLETIN along to someone who is. Also, W1BB would appreciate if you would send the calls of all HAMS in your Country who might be interested in 160 Meter DX, and able to work this band. Please post this BULLETIN in your Club, and give 160 meters as much publicity as possible!! Particularly as to DX!!! THANK-YOU, very much indeed!!!

W1BB 160 METER DX ACTIVITY

W1BB --- Will be on regularly EVERY Sunday Morning, (Baring unexpected sickness, business demands or Emergencies), from 0500-0730 GMT, calling and listening for alternate 5 Minute periods, November through March, looking for 160 Meter DX Contacts!!! Please be sure to give W1BB a call!!

W1BB --- Will transmt, Mostly on 1802½ or 1807½ Kc. However, 1817½, and 1822½ will also be used at times depending on conditions, QRM, Interference, etc.

W1BB --- Will NOT work V/VES during DX schedule hours - unless something of an urgent nature comes up, or band conditions are useless for DX - will Concentrate/DX on

W1BB --- Will generally follow the regular 160 meter "Test" procedure. When no DX is being heard or worked, W1BB will call, CQ DX TEST, the first 5 minute period of every hour, and each alternate 5 minute period throughout the hour. W1BB will listen carefully for DX stations, the second 5 minute period of each hour, and each alternate 5 minute period throughout the hour.

W1BB --- Suggests that DX stations call W1BB on 1797 1/2 - 1802 1/2 or 1827 1/2 Kcs, as these are the most QRM/free spots, usually. These SPOT frequencies will be covered with EXTREME care by W1BB at ALL times. The band 1800-1830 will be covered carefully too, and frequencies up to 2000Kcs checked regularly.

W1BB --- Welcomes, and invites special schedules with any DX station that desires to make contact - at any time of year, and on any special, (Authorized), frequency designated by the DX station. ~~Send~~ Send AIR/MAIL letter to W1BB, with full details on the proposed schedules, and also any schedules on HF bands that may be necessary to make full arrangements or exchange of reports etc.

W1BB --- Appreciates REPORTS on his signals, from any station, at any time of year, with full particulars - whether you make QSO schedules or not. This includes SWLs, some of whom have submitted MOST accurate and valuable data. These reports assist in propagation studies being made. Please AIR/MAIL them weekly. Postage gladly reimbursed if desired. Special reporting FORMS supplied on request. All reports acknowledged. Please DO report!!! The more the better!!!

W1BB --- Will operate mostly from the HOME 'TH, "Winthrop by the Sea", BOSTON, USA, with 200 watts, a 260' doublet antenna and 75A4 receiver. Some operation will be from W1BB/1, either at the WINTHROP YACHT CLUB, with quiet location and special antenna entirely over salt water!., or from "Villa Mon Repos", at Harrington, Maine 300 Miles Northeast from Boston, a quiet country location, with 260' long "Vee" antenna - 260' on a leg.

W1BB --- Will mail a handsome appropriately lettered "AWARD" Certificate, to all DX stations working W1BB on this band, if they request it. In addition, for DX stations where their W1BB/QSO is a "FIRST" recorded "Top-Band" QSO between that Country, and USA, an extremely SPECIAL and attractive lettering job, in color will be done on the Certificate by a Commercial Artist, to Adequately and Especially commemorate the event. This Certificate is in effect a "KING-SIZE" QSL, measuring 10" x 14", beautifully colored, on heavy durable white paper, suitable for wall mounting or framing. DX SWLs who send in 7 or more Verified reports on W1BB's signals, or have in the past, may also have a Certificate upon request. DX stations who have worked W1BB in past years, and any previous "FIRSTS", may have one of these Certificates, back dated to cover the event, if they request it. Sixteen of these special "FIRST", Colored certificates have been awarded thus far, and in each case the recipient has written appreciatively advising that it was framed and/or posted conspicuously in the shack!!

W1BB --- Hopes that you will join in on the fun, and the challenging work of QSO'ing DX on 160 - and enjoy yourself and help others to make that much desired contact!! Write W1BB if you need further particulars. Keep W1BB fully informed of all 160 meter activities possible as suggested above, for the BULLETINS and reports on your doings to HAM magazines for publication, as their Editors decide.

W1BB --- Says, 73!!! HAPPY HAMMING and b.c.n.u. on 160!!!! -- de Stew/W1BB

ANNUAL TRANSATLANTIC and WORLDWIDE "TOP-BAND" 160 Meter DX TEST !!!

These special "TESTS" will be held this Season on the following SUNDAY mornings from 0500 to 0730 GMT, in accordance with the listings given below:---

1962-1963

DECEMBER	23 [#]	16 and	17 [#]
JANUARY	6 [#]	20 and	21 [#]
FEBRUARY	3 [#]	17 and	18 [#]

During these periods, Extra Special efforts will be made to contact European, Asian, African and other 160 Meter DX Amateurs throughout the world, for general DXing, and also to make observations, as a contribution to the study of PROPOGATION conditions on these frequencies.

An active group of English and DX Amateurs, in Cooperation with USA Amateurs are behind this effort in carrying on these Tests, which have been a yearly operating activity since 1932. All 160 meter stations throughout the world are invited and also urged to participate in as many of these TESTS as possible!!!

Most W/VEs will operate 1800-1825 Kc Segment EAST of the Mississippi River, while those to the WEST will use 1975-2000 Kc, Clustering near 2000 Kcs Usually. DX will be found mostly between 1795 and 1850 Kcs, the best segment being 1800-1835. Some DX will be found near 2000Kcs. DX stations should cover near 2000Kcs carefully for unusual and choice USA Contacts!!!

W/VE stations will call CQ DX TEST the first 5 minutes of each hour, and each alternate 5 minute period thereafter, listening the second 5 minute period, and each alternate 5 minute period of the hour, for DX. The DX stations of course will do just the opposite. Thus, each station alternately calls for 5 Minutes, and then listens for 5 minutes throughout the TEST - unless working or hearing DX. Care should be taken particularly by all participants to carefully set their clocks to WWV, etc. to be sure of keeping in step with these 5 minute periods, and not cause QRM by transmitting during the listening periods. These calling and listening periods of course apply only when no DX is being heard or worked. When DX is coming through the idea naturally, is to QSO regardless of the periods - BUT, here again, adherence to the 5 minute periods, even for a QSO, would help to minimize QRM.

W/VE stations should send their reports for the TESTS, of activity and unusual accomplishments to W1BB, Stewart S. Perry, 36 Pleasant Street, Winthrop, Mass., USA for recording in the booklet "THE 160 METER DX HISTORY", and for transmittal through BULLETINS to A.R.R.L.-CQ-SHORT WAVE-WESTERN RADIO and other magazines, etc. for publication. G, GM, GI, GW, Etc. should send their reports to G6QB, L.H. Thomas, DX Editor, Short Wave Magazine, Turkey Road, Bexhill on Sea, Sussex, England. --- OTHER DX, may send their reports to either of the above as desired. Do REPORT!!!

Remember!!! --- These are "Tests", and not CONTESTS -- for pleasure in an unusual operating activity, without "Competition", for a change, and to develop some propagation information as a worthwhile contribution to the art of Radio.

A.R.R.L. and CQ - DX CONTESTS

W1BB --- And many other W/VE, 160 Meter HAMS will carefully cover these contests on the same operating schedule as above for the Transatlantics. W1BB invites any special schedule arrangements from any of the DX gang desiring to make a real try for an extra band multiplier!! AIR/MAIL your intentions to W1BB in this respect, in advance if possible, otherwise W1BB will cover the same frequencies as mentioned in paragraph 3 on page 2 of this Special No. 1 Bulletin. CQ are proposing to run another 160 Meter CW Contest early in 1961, and it is hoped that DX stations will participate in this operating activity also. See CQ for further details.

W1BB 160 METER DX BULLETIN

W1BB --- Will issue this BULLETIN during the 160 Meter DX Season, as material is obtained, to the above/mentioned HAM magazines etc, via air-mail, so that they can publish from it, the important information on "TOP-BAND" activities. There is no mailing list to individuals, although W1BB will oblige and send copies to those supplying S.A.S.E.s
Best of luck ALL - and again, 73 de W1BB/Stewart

Hope set things you OK

!!! -- 160 Meter FLASH de W1BB -- !!!

SUMMER/1983

In spite of the usual decline in 160 Meter activity during the Summer Months when STATIC is a problem, outdoor activities call, and nighttime is shorter -- there has been some DX activity on 160!!!

JULY 19th 0422-0521Z peaking 569 at 0500

SOUTH AFRICA

ZS2FM/Mike - Has continued his TESTS during ZS Winter (W/Ve Summer) faithfully, being on 1901.5 Kcs every Sunday Morning from 0400-0530Z. He worked W6ML late in spring but no other W/Ves as yet - although he has heard W1BB several times, the latest being July 7th RST 339/459 at 0512Z. He Checks band conditions from our 1950 Loran sigs, also WCC on 2036Kc, a 24 Hour Commercial station. Much credit is due MIKE for arousing interest in 160 in ZS land. Latest addition is a near neighbor ZL3JO/Mal who expects to be active this season with a Ranger/HRO late FLASH!!! JUL 18-0455Z W1BB/449 and ZS2FM 119/539 Make Contact!!! His first W1

SOUTH PACIFIC

K1KSH/KG4-Gary - Of considerable K1KSH, K1KSH/4 160 Dx activity and accomplishment, is now operating as 160 Dx himself from the South Pacific, for several months. First conquest was W6ML/Alex (ExW6KIP) whom he QSO'd Jul 7 1998Kc 1225Z -1248Z peaking 339 -W6ML peaked 579 - this after two other unsuccessful Skeds. Needless to say both he and Alex are very happy. W6ML's signals were Hrd all schedules very reliably. Gary's signals fm Globe Scout and "Jury-Rig" antenna at best possible height, werent as good. Gary's 75A4 pulls 'em in!! He wl be in So. Pacific for several Months expecting to excite 160 DXers, by also operating fm several other rare prefixes!!! Keep an ear open for him this coming season - also any time now Sat or Sun Mornings 0830-1000Z on 1998 - he will listen both high and low ends of band. CONGRATULATIONS Gary and Tex!!! **338** NOTE BELOW!!!

VE2EH/Denis-Fiji - Per W6ML/Alex, is vy interested 160 Dx - trying get permit for this coming season - best of luck to him!!!

NORTHWARDS/BAFFIN ISLAND

July 14-Jul 19

VE2UQ/Gordon - had the opportunity and flew here for a week/this summer. He decided to test 160 Dx from THE LAND OF THE MIDNIGHT SUN, even though QSOs anticipated difficult if not impossible, due to fact that this time of year it was twilight only - no darkness - from 0400-0500Z. Light enough at midnight to read a newspaper in the open. 100 Miles South from his QTH a short period of darkness existed from 0403-0515Z Using a Ranger and 260' end fed LW Ant Gordon operated faithfully every day. Many W/VES participated in these TESTS - VE3GP, VE2ATU, VE3DU, W2FYT, WBYATmVE3QumVE3BQWmKSHBR/8 and others. SUCCESS and also CONGRATULATIONS to Gordon!!!! On JULY 17th he QSO'd VE1ZZ coming in there peaking 449 and giving Jack a 549 report for his FIRST QSO --- Then on July 18th also QSO'd W1BB for a full 45 Minutes - VE2UQ/8's signals varied from zero to 539 peaks -- which oproves that QSOs ARE possible from beyond the Arctic circle -- on thought it is wondered if it may not have been the very fact of the MIDNIGHT SUN and period of TWILIGHT that made it possible at all - usually Arctic QSOs on 160 are considered practically impossible. It is known that 160 meter signals PEAK at Sunrise and Sunset --and maybe this "Continuous" Sunset/Sunrise did the trick. Much Credit to Jack for opening up the North to 160 Dx - and to more knowledge of conditions there on 160. CONGRATULATIONS!!!

**** NOTE:Re K1KSH/KG8 -- (Since typing the above) On schedule with W1BB - Gary's signals were heard OK in Boston at 0945 July 18th and brief "Contact" made!!! Congratulations to Gary - and Keep Up "The Good Work"!!!

NEW REGULATIONS/160 METER DX --- The gang is very much disappointed in the new power limitations - but are accepting them in good spirit and "Carrying-On" all DX plans and activities just the same.

Late FLASH -.ZS2FM's signal in from 0455Z to 0540 QSB zero/119/229/539. Also heard briefly by W2UWD CONGRATULATIONS MIKE!!!!

73! de W1BB/Stew 7/28/83
Rov/ [Signature] 7/21/83

160 WAC No. 4!!! - Congratulations to Cliffe, W1PPN who clinched WAC by QSOing North Africa, March 8th 0335z with a 539!!!

BAND OPENING UP TO 2S land!!! - ZSEFM/Mike reports hearing DL1FF/1827k/559/0325z c/c No QSO - Also hrd W6YY -- will be looking for 160 DX Contacts - 1.8 Mc

ZL BOYS DOING BIG BUSINESS!!! - ON 160!!! -- ZL3OK/Jack "Things havent been too bad" QSO'd W6KIP, 3G1F, 1BU, R1V, 1X, 1FN, 20W hrd 1PPN, 2FTT, K7MLX, DKK, VE7AKI, KP4AXI, G3OIT, OQT, 1RN, OZF, XE2OK, G3PU449 during March-"There is path for 10-30 Mins sunrise W1,2,3, tin Loran Signals & 160 Peaks 1000-1100z during March-my Fy 1.89 - No Gs yet - maybe During April on NW path bts - 1BU Signal VFB!! Visited Mick/ZL3RB FB setup - FB Xer fellow" - Jack/ZL3OK ----- ZL3RB/Mick QSO'd G3OIT 4 times!!!!, G3ERN & G3FGT once, partial Contact with G3PJA - hrd G3OIT, G3IGN, G6B, -- VFB for you Mick - also Jack both of whom are QRV for more DX on 160 - "Go Get 'em Boys!!"

KL7JDO/Tony - ALASKA ON 160!!!! -- (Ex W6JDO, DI4JD) Created quite a stir on 160/1804k QSOing W6ML/Alex 0715z Mar 26, then VE7AKI, W6YC, Wa6JSA and was hrd by KP4AXU!!! Then March 30 busted thru to East Coast for 4 1/2 hrs 0500-1000z RST 119/559 QSOing, W3GQF, W1BB, 2FTT, IU, 1ERN, 3PMV, 2EJS, 9FIM and several others. Then Mar31 w/VFB Signal agn 239 to 539 on East Coast QSO'd W2KHT, UWD, 1BBQ, VE2UQ, 1BB, X2GAL and W2EJS. Tony's expected departure from KL7 land April 1 has now been postponed to June 1 - meantime he will hit 160 hard w/ SZ71, 607/50w, 400' IN SSE/NNW on 1805/01 & 1895/1900, 0300-0900z, listening his own fy first, then covering 1800-2000Kc. Tony been in KL7 since 1957 active DXing all bands - March '63 QST Alerted him and Pal Art/W6KUK/KL7 to new 160 privilege - being dyed-in-wool DXer, realized importance KL7/160 contacts to gang - gave it all he had!! However if it hadnt been for W6ML/Alex, (Ex W6KIP) "Dont think I would have stayed around band long as I did - vy quiet at first Anyway, he sure produced VFB results, and maybe more to come before leaving, which the gang really appreciates!!! THANKS to W6ML/Alex for alerting the East Coast boys and TNK to Tony for nice operating/new State

DL1FF/ARMIN IMPRESSIVE SEASON'S RECORD!!!! --200 Hours on 160 - 729 QSOs - 813Eu/116 K outside Eu. 415/G, 2/GD, 5/GI, 35/GM, 19/GW, CT1CO, 22/DL-DJ, 12/HB9, 9/OH, OK/75, OY, PA, SV, 2/UB5, 3/UOS, 8/5A3, 5B4GF, 3/5B4PB, 4/VF3GQ, 4/HCLDC, 41/W1, 31/W2, 7/W3, 6/W4, 5/W6, 2/W9, W, VO1, 2/VE2, VE2, 4/VE3 ---- DL FIRSTS!!!! this season, CT1, OH, OY, PA, SV, VF3GQ, HCLDC, W, VO, VE2, VE3 - Total Countries 35 - Confirmed 31 - Special License expired/ now QRV until OCT/63 - used VEE Beam, one leg over H.T. Power lines!!! - Next season w/ hv FULL SIZE 160 Ground Plane and New 75A4 w/LKC Filter to cut QRM/N. 33 DL/DJ licensed for 160 this season/vy few active!! Missed ZL3RB/Needed for WAC. very IMPRESSIVE report ARMIN, Hearty Congratulations from the 160 DX Gang w/Tnx!!!

MDRE ON SAM/W1FZJ/W1BU!!! W1BB spent a delightful winters evening with SAM, and KYL/Helen/W1HOY, and can only repeat, concerning his 160 meter set-up, FABULOUS!!!! Located in RHODODENDRUM Swamp, 150 acre tract (owned by Sam so no one can build), wet ground adjacent to Charles River, very little habitation for several miles around, extremely quiet QTH - TWO Towers each 180 Ft high!!!! supporting TWO 160 meter beams on angle of 30 degrees to vertical (Similar to Guy Wires), one pointing E/ Northeast, the other SW -- Sam is now putting up also, a horizontal dipole at the 170 Ft Level!!! All This, PLUS Sam's "Moonbounce" Technique, and "know-How" adds to real DX on 160!!! OH3NY, 5A3, ZL3OK and many others this season!!

Gswl/Allen -- Closing the season says "Has been an epook making season -- High spot was that fantastic January weekend (CW-WW-160-DX-TEST) -- never before anything like it - maybe never again -- certainly HOPE for more -- but regard it as near miracle ----- West Coast/G QSOs dont depend on super ANT & Full power -- (W6YY & W6AM havent made it yet) - Need rare conditions like "THAT" weekend!!! My W6KIP, Wa6JFQ, K9OK, W6AIH, W6DK/0, W6SDN, W6TUT, VE3HWY reports all QSL'd OK!!! - serve to remind me of that great day!!! --This is TYPICAL of the G/SWL boys enthusiasm and we should say a word of thanks to them all Norman Smith, Robert Iball, Anthony QUEST, -- also FYswl Rolf Rasp, and VK4/swl, Charles Thorpe - who have done an excellent job of logging and REPORTING and QSLing which we all appreciate.

PLEASE NOTE!!!

Dear O.M. --- We TOP-BAND Hams, would appreciate publication of this notice to appear in the NOVEMBER Issue, of your magazine-- **THANKYOU!!!!**

ANNUAL 160 METER TRANSATLANTIC and WORLDWIDE DX TESTS

Reminiscent and symbolic of the original PIONEERING Transatlantic crossings by DeLoy, Schnell, Reinartz, Godley, 1921 - and continuing a yearly operating activity established in 1932 and held every year since, (Except War Years), the ANNUAL TRANSATLANTIC and WORLDWIDE "TOP-BAND" DX TESTS will be held on 160 this 1964/1965 season, on the following SUNDAY mornings, from 0500-0730,, DEC 6th and 20th -- JAN 3rd and 17th -- FEB 7th and 21st. SET ~~YOUR WATCHES~~ **CLOCKS ACCURATELY!!!** During these TESTS special efforts will be made by all to establish new records on 160. W.K/VE stations should call Q DX TEST the first five minutes of the hour, and then the third, fifth, periods etc - listening in-between. DX will call Q DX TEST the second, fourth, sixth, 5 Minute periods etc. Use authorized Fqs. W/VEs, EAST, 1800-1825, WEST 1975-2000Kc. ~~WH~~ **EA: 1825-1830 mostly. ZL 1875-1900. VK 1800-1860** Much rare DX will use anywhere between 1800-1830 Kes. JAs on 1880 Kes.

This INTERNATIONAL QUIET SUN YEAR ("IQSY") 160 Propagation conditions all over the world are expected to be at their best in many many years. The TRANSATLANTIC TESTS should be exciting. ADDITIONALLY However, ALL HAMS are reminded to be alert for unusual DX Openings anywhere over DARKNESS PATHS at SUNSET or SUNRISE TIMES at either end of the path - just as long as the path is DARKNESS at or near Twilight, or sunrise. This is when 160 Meter signals PEAK. Look for JAs, 1880Kes, VSILP, 1800/25Kes, KLKSH/AP,ZL,VK,ZS and the unexpected and unusual ones!!!

Working DX on 160 is challenging and extremely interesting. Conditions such as QRN, BC Harmonics, QRM, Loran, QSB, all require extreme patience, a top-notch station and operating techniques! There is a REAL reward, in the THRILL of accomplishment in working DX on this band

REMEMBER!!! These are "TESTS", NOT CONTESTS -- for pleasure in an unusual operating activity, without "Competition", for a change, and to develop some propagation information as a worthwhile contribution to the art of RADIO.

W/VE stations send reports for TESTS, listing activity and unusual accomplishments to W1BB, Stewart S. Perry, 36 Pleasant Street, Winthrop, Mass, USA, for logging, and reporting. ----- G, GM, GI, all should send their reports to G6QB, L.H. "Tommy" Thomas, DX Editor, Short Wave Magazine, 49 Winchelsea Lane, Hastings, Sussex, England. OTHER DX may send their reports to EITHER of the above as they desire - however the important thing is to SEND IN YOUR REPORTS!!!! DO Report!!

W1BB will be glad to arrange special schedules with any DX stations wishing to test out unusual paths and conditions, and will send full instructions, or with any DX station who has not previously QSO'd W/land on 160.

HAPPY HUNTING, and HAPPY HAMMING always on TOP BAND!!!

de Stew/W1BB *(Signature)*

(If by chance this should miss the NOVEMBER issue - please be sure it makes the DECEMBER Issue for SURE!!! Thankyou.)

January 17th 1965

FLASH!!! ---- W1BB 160 METER DX ITEMS ---- FLASH!!!

160 METER ANNUAL TRANSATLANTIC DX TESTS NO.3 and NO.4

Generally speaking this year, with 160 Meter Conditions up and down as in a cycle The TRANSATLANTIC TESTS have hit the weeks that were at the low point of the cycle - with the most excellent conditions on the weekends the tests were not scheduled. For example, while TEST NO.3 was an EXCELLENT TEST - the following weekend was SUPERB CONDITIONS, described by most 160 DXers as "THE BEST EVER"!!! Nevertheless, the TESTS Carry on with vim and vigor, and the large participation is gratifying


JANUARY 3rd TEST:: Conditions were very good, and many Transatlantic QSOs resulted. DX PARTICIPANTS were G3LIQ, RPB, PU, RFS, OOT, CFV, OUV, ORT, HBP-2PU-5JU-GW3SSK-DL1FF-VP3CZ-GI3PDN-VP7NY-HR3HH-PA6PN-OH3NY-CO2QR-OELKU-G8RQ, NF-Gswl/SMITH/TBALL ::::: W/VE/VO PARTICIPANTS were W1BB/1, TX, HCH, ZL, UOT-WALGRK, CAG-KIMOD-2GGL, FYT, EQS, KOT, UWD, IU-K2DGT-3AJS, HHT, PSW, EIS, AZR, BU, GQF, MSF, TCB-KAZRN -4WHK-8CPT, HBR, HUZ, GDQ, JIN-K81QQ-9TGB-K9PAW, JAU, KYN-6RNI-VE2LI-VOLFB-W8FCB. (Stations KNOWN to have worked DX are underlined - other may have also but no reports yet)

JANUARY 17th TEST:: Conditions were only fair - after a northeast blizzard had just passed over the EAST Coast - and out at sea was spewing heavy QRN both East and West as well as North and South causing high static everywhere and difficult QSOs - also SKIP was not too good. Comparatively few QSOs resulted, although the faithful kept at it and did OK. Known DX PARTICIPANTS were G3RFS, LIQ, RPB, POT, ORP, PU-5JU-8NF-DL1FF-GW3SSK-GI3PDN-VP3CZ-HR3HH-OH3NY-OELKU. Mostly poor reports were given on all QSOs;;; Known W/VE/VO PARTICIPANTS--W1BB/1, LICH, OOU-2KHT, GGL, IU, HEY, UWD-Wb2HAL-K2CHQ-W3EIS, AZR, CJT, GQF-4BVV-5FLX-8JIN, ZND, HBR/8-Wa8LJI-9PNI, QVXO, NWX-VELZZ-2UC, ATU-3AGX, DDR, QU-VOLFB-WA6ATY-W7UFB. (Stations KNOWN to have worked DX are Underlined - others also may have had DX QSOs, but no reports or data at this writing)

All in all, the TESTS have been well attended with much enthusiasm, and generally over-all good results - so much so that the boys feel they are worth while.

Another FIRST EVER!!! CONGRATULATIONS to ZP9AY/Robert Encarnacion, PARAGUAY::: For his "First-Ever" on 160 ZP/W QSO when he worked W1BB/1 January 11th 0616z to receive 239/349 report and give W1BB a 449 report. ZP9AY Heard W1BB during last Summer, made recordings of W1BB's signals, up to 579 peaks, called and called but did not get through. His QSO on the 11th, the day following the superb conditions of the 10th, called "BEST EVER" conditions by many 160 DXers - was the result of months of patience and perseverance, and Robert is to be CONGRATULATED doubly. This was an unexpected QSO, since W1BB/1 was on schedule with another station, when ZP9AY was heard calling - and immediately QSO resulted. ZP9AY previously, this past fall, worked PY1NFC. It is expected that ZP9AY will be on regularly.

IQSY YEAR CONDITIONS - Generally speaking it is felt, at least by W1BB and some others, that while a GREAT improvement has not been noted, conditions thus far this IQSY year have been better than last year. W1BB/1 has thus far worked 114 DIFFERENT stations in 21 Countries -- 82 stations in 17 Countries was the score LAST SEASON at this time using SAME ANTENNA, same receiver, same power.

73 de Stew/W1BB 

PLEASE TRY TO GET YOUR REPORT ON THE ABOVE IN MARCH ISSUES *
OF COURSE YOU MAY WISH TO REDUCE THE CONTENTS TO SAVE SPACE
BUT ESSENTIAL INFORMATION IS GIVEN ABOVE FOR YOUR CHOICE

THANKYOU !!!

FLASH ITEMS !!! *** W1BB 160 METER DX BULLETIN *** FLASH ITEMS!!!!

FIRST EVER!!!! 9M/GM-160 QSO ----30JAN65 when Bob/9M/LP (Ex-Vs/LLP) QSO'd GM3IGW/A, "Mike" during CQ 160 DX Contest, exchanging Contest Numbers through bursts of 40 DB over S9 QRM. Bob also QSO'd G3GRL/A. EXCELLENT work boys- CONGRATULATIONS!!!!

DAYLIGHT DX!!!! ---- Noticed for the first time THIS IQSY YEAR, which may be the reason for it. During CQ 160 CW Contest, many stations in Europe and USA kept QSOing and running up Contact points ALL DAY, making local QSOs 800 to 1000 miles distant. Previous years Contest work almost ceased daytimes, except for highly populated areas. ----- Additionally, VO1FB has noticed greatly increased DAYLIGHT DX, QSOing G3PU at 1930 GMT Jan 24th with 250 Watts -G3PU w/10 watts. This was about 2 hours after sunset time in G land and BROAD DAYLIGHT in VO/land. Incidentally, this QSO was also logged, both sides by G3PLQ/mm off the coast of Africa. ----- European stations have reported W signals as late as 0930 GMT about 3 hours after sunrise. ----- And a report from G3PLQ/mm-John- m.v. KUMBA (Radio officer) off the coast of Africa Near Sierre Leone reports DAYLIGHT DX -- heard 1600-1640z, GW3HUM, G3TMA, G6BK Nov: 8th. Also 1700-1745z Nov. 9th G3TRF, 5LF, OK3KAG, G3TLY. "My theory"-Says John-"is that several hours before Sunset, the band skip lengthens momentarily, and providing someone is at an exotic Dx spot could be worked. The lack of QRM/m, which IS present when darkness has fallen, but NOT in Daylight, is very noticeable" - Tnx John. ----- Essentially, we believe, all this means is, LESS daylight ionization and absorption due to the lowered sunspot activity, and therefore some reflection of LF signals during the daylight hours, the same as happens at night, only much weaker signals. Comments and explanations from the gang appreciated.

STRANGE PHENOMONON!!!! ---- Weekend of Feb 14th European DX was poor to NIL. Europe is 3000 miles East from W land over the Atlantic Ocean. ----- HOWEVER!, at the same time, if one looked WEST for DX, instead of East, the W6s and W7s were pouring in excellently - probably the best they have this years This is 3000 Miles over the land. ----- This conditions ALSO repeated itself, although not to as great a degree, during the last TRANSATLANTIC DX TEST Feb 1st when Europe DX was poor, and West Coast DX GOOD. ----- Additionally ~~MB~~ VP3CZ/Dev also reports "LUF predictions confirmed that signals stronger going from West to East. Gs hear me better than I hear them. Also M I hear W6s better than they hear me" ----- It seems most unusual to look EAST and have Condx poor - but turn around and look WEST and have excellent Dx. Can anyone explain this??? Any Comments gang????? How many have noticed this?????

FLASH!!! FIRST EVER!!! CONGRATULATIONS to ZB2AE/Peter - FIRST EVER ZB2/W 160 Meter QSO ---- Much Credit goes to Peter ZB2AE, who after many tries with a sub-standard antenna, because of very restricted space -- managed to put a readable signal into W/land Monday Night, February 1st right after the CQ 160 DX Test, when conditions peaked the day after the test - of all times!!! and peaked 0600-0635Z QSOing W1BB/1 and receiving report 229/339. Peter hoped to have a better Antenna one of these days, however he has just received word and will go back to G/land and revert to G3MRE again shortly. At one time Peter tried a balloon, but found that the wind was too high. His QTH in Apartment area had little room for a GOOD 160 meter antenna. VFB Peter!!!

Last Two ANNUAL TRANSATLANTIC DX TESTS ---- The last two TESTS were beset with poor conditions. No.5. Feb 7th was practically washed out by heavy QRM. DX signals were weak, but in, and a few readable, but not many QSOs - folks QRT early. The middle of the week condx had been VFB!!! What Luck!!! ----- On the FINAL Test No.6, we had the STRANGE PHENOMONON mentioned above, where European stations were poor - but WESTERN USA stations - the same three thousand miles away but over land instead of sea, were coming in VERY good. Nevertheless probably about 30 or 40 Transatlantic QSOs resulted, including HPLIE, H18XAL, VP3CZ, VO1FB. Of importance was the fact that participation was good - showing that INTEREST is there!!!

CONDITIONS 1963/1964 Vs 1964/1965 ---- Some HAMS feel that this season is definitely worse than last. Others cant make up their mind. W1BB feels it is a bit better - based on records of DX QSOs - last year this time - the score was 123 DIFFERENT Dx stations QSO'd in 23 Countries. This year using same antenna, receiver and power - at same time, Mar 1, score is 163 Different DX stations QSO'd in 27 Countries. (Repeat QSOs not Counted). This seems to speak for itself. It is felt now - since conditions were not as much better as expected this year due to IQSY, that we are at the bottom of the cycle mostly, and results may stay at or near "Par" for, or about the same for 2 or 3 years.

SEP 12 1965

W1BB 160 METER DX - FLASH!!!!!!

To
But
Ray

THE MOBILE MARINE BOYS ARE BUSY!!! ----- From Mobile 160 meter DX HAMS afloat on the high seas as Merchant Marine RADIO OPERATORS - who cannot operate on 160 but keep an eye on the band comes TWO very interesting reports.

1. de G3PLC/mm-BRS 22426/MM-John. August 22nd
OFF the IVORY COAST - South Africa at 0432Z, 1804 Kcs heard VE2UQ and W1BB/1 RST 239 to 359!!!

2. de G3RAU/mm-DEREK. August 30th.
At mouth of the AMAZON RIVER, on the Equator, South America
-heard Marler station DHJ-1830Kc 459 --4500 Miles!!!
-BEACON STATION ZELAZD, only 1 watt, 4/5,5,9!!!!!! This is a 4000 Mile distance. This is truly REMARKABLE and is a tribute to the faithfulness and foresight and also perseverance to ZE3JJ/Ivan and ZE2JV/Ray - and should be rewarding to them -- CONGRATULATIONS - and thanks Derek
- W1BB/1 rst 569 ALSO FCC (60 miles from W1BB) rst 579
1803 Kc 2026 Kc

1801 Kc

SUMMER VISITOR AT W1BB /1SUMMER VISITOR AT W1BB/1

SUMMER VISITOR AT W1BB/2

KIKSH/AP5 on way to Pakistan - "GARY"-SPARKS Lunney

1. Operates W1BB/1 at the "Tower" *in sm/bot "73"*
2. Goes sailing with W1BB/Stew - on a windy and wet day - properly rigged with oilskins
Stew on right - Gary on left with sail bag

Photo credit
W1BB

W1BB
STEWART S. PERRY.
36 Pleasant Street
Winthrop, Mass.

SUMMER VISITOR AT W1BB

SUMMER VISITOR AT W1BB

Famous PY/swl ~~ROLF RASP~~ who is known worldwide for his SWL DXploits!!! (He'll hear you if you are on!!!) A Computer Expert, taking course in USA - on way home.

1. Trying out ^{his} new "S" Line Collins rig at W1BB Home CTH
2. Polf/on left and Stew/W1BB on right just leaving to visit "ELI's" Electronic Junk yard in Cambridge, Mass

Rolf has been hearing W1BB/1 regularly in Brazil this summer

December 6th 1965

Dear Rolf:-

Just got your last airmail tonight - thankyou!!!

I am sorry about the Crystals

I received your letter of November 3rd on the 12th

Dont know where it was all that time

On November 13th I ordered your Crystals - airmail

And sent them my Check

I had already written them for shipment on 160 Crystal

For another fellow - my Cousin

They had replied saying they were in stock

Since my order of November 13th including the 160 crystal for my Cousin and your 160 Crystal and another for 39.1 Mc I have heard nothing

DRAKE

Radio Dealers locally say they are swamped and are 2 to 3 or 4 weeks slow in sending things

I have sent them a telegram last night to see where they are - but I am sure they cant arrive in time to get to you by the 15th when you leave - so I'll have to HOLD

I asked them to send them to me - so I could airmail them in a way you wouldnt be fussed up with Customs etc

SOOOOOoooo we did the best we could Rolf - I had anticipated they would be sent immediately out of stock as they said HOWEVER it may be YOUR 39.1 Crystal that has held everything up - they might have had to go out and buy that item and held everything up.

OK 19.12.65

Sure sorry you cant listen to 160 - it is a POPPIN!!!! Best conditions I believe we have ever had

Cheerio and all the best to you Rolf!!!

73/Stew.

[Handwritten signature]

INCIDENTALLY - I am thinking of getting a Drake R-4 Please airmail me your comments - for example - would it be better than the HQ170 I now use mostly for 160???????????

Thankyou ROLF OM

How is it on other bands compared to Best Reviews?

[Handwritten signature]

FLASH !!! NEWS ITEMS ON 160 --- TO ALL MAGAZINES

(The following for your consideration as to publication -
would appreciate your using as much as possible - thankyou!!!)

CONDITIONS THIS YEAR ::: Are better than expected and it looks like this might be our best year on 160 yet. This is based on reports from DL1FF, G3PLQ/mm, VE2UQ, W2EQS and others. In CQ/WW/DX/TEST there was much activity. W1BB/1 worked twice as many DX as last year's TEST, using same Ant. Pwr. Rig, and to date has worked 83 Different DX Stations in 16 Different Countries, compared to 86 in 16 Countries last year. Let's keep our fingers crossed, but the prediction of a banner year on 160 may come true. Should be LOTS of FB 160 DX operating this Yr.

DONT FORGET!!! :::: TRANSATLANTIC TESTS #3, JAN 2nd - #4, JAN 16th, #5, FEB 5th #6, Feb 20th -----"FIRST TIMERS" TESTS Jan9th/Wsm Feb 6th/Eus - MAR 6th/Ws - or CQ 160 CW DX TEST Jan 29/30, and ARRL DX TEST in spring!!!

ERROR/CORRECTION!!! ::::: The W/Ve "First Timers" Night given as March 7th should be corrected to Sunday Morning March 6th - Sorry!!

ALL 160 DXers SHOULD CHECK DX BANDS MORE OFTEN!!! ::::: Eu/Gs etc are often heard rag chewing on 160 with FB signals by Ws who cannot raise them. As an example, NOV 7th, three Gs were heard until 0810 GMT 339 to 589 averaging 569 having local three way RAG CHEW, but could not be raised - werent listening for DX. (Several weekday evenings also good Eu sigs have been heard but couldnt be raised.

HURRAY!!! AMERICAN MILITARY PERSONNEL HAMS IN JAPAN::: Per ~~REP~~ Ron/KA2JA, are now authorized a spot Fy pf 1910 Kc and 200 Watts for 160. CHEERS!! Now who will be the first to QSO????

DL1FF/Armin -- QSO'd HK4EB during the FIRST TRANSATLANTIC DX TEST for his Country No. 51 - Congratulations!!!

PHOTO NEWS FLASH ITEMS

ZP9AY, Robert Godefroid, who made DX History, QSO'ing W1BB/1 for the "FIRST EVER" 160 DX worked from Paraguay to USA, Jan 11th 1965

4ULITU, with G300H, Gerald Lander G300H at key, who with able assistance of Philo HB9CM put rig on 160 to work many Europeans, and several Ws including W1BB/1 for his Country no. 87, on Feb 22 1965.

FIRST ANNUAL TRANSATLANTIC DX TEST Dec 5th ::: Lucked in on some exceptionally good conditions, with many many stations on including Gs, DL1FF, OKs, NS1A, EI9J, EP2IW, PA6PN, KV4CI, VOLHN, HK4EB, ZM2AM, GI3PDN and others. after 0700, many Europeans were working W6, W9, W9 stations easily with excellent signals. This was a fine operating event. Many Gs who had never "Crossed" before made it during this "TEST". We are looking forward to 5 more of these TESTS this season.

Winthrop, Mass.

WIBB - 160 METER - FLASH!!!

August 15, 1967

MORE SUMMER DX - CHEERS!!! --- Aug 6 0327/0356z, Mike/G3VYF 24n/35n through intense S9/QRN QSO'd
WIBB/1 469. (DHJ hrd 34N/47N by BB) --- Aug 10th 0200-0300z DHJ/1830Kc 56N/58N VFB!!! Band very
excellent!! --- Aug 13th 0215/0430z Condx Unusually Good. DHJ 0225/58N, 0345/57N, 0430/349. WIBB/1
QSO'd G3RXH/56/7N @ 0225 (My57/9N) -- G6BQ @ 0314/55n (BB 34/6n), again at 0325z/56n (BB 56/7n)
--Hrd G3SXW 0425/11n. QRN S8/Gland -S4/5Wland. A real PITY more stns not on to enjoy these Condx.
Many winter nights, Condx are not nearly as good!!! These results auger well for coming 67/68 seas

1967/1968 - 160 METER TEST SCHEDULES ANNOUNCED !!!! --- Reminiscent and symbolic of the original
LF PIONEERING Transatlantic Crossings by Marconi, DeLoy, Schnell, Reinartz and Godley 1901-1924, and
continuing an activity on 160 started in 1932 (1932) through foresight of G6FO and others, the
ANNUAL TRANSATLANTIC and WORLDWIDE "TOP-BAND" DX TESTS will be held the following SUNDAY mornings
0500-0730 GMT ::: December 3, 17 and 31st -- January 14th -- February 4th and 18th. 5 Minute
calling and listening periods will be used, until QSOs result. Full Details later.

--- Again, by "Popular Demand" The interesting
"FIRST TIMERS" tests will be repeated - when ALL OF THOSE on one side or the other, who have
already crossed the Atlantic or worked real DX before on 160 will QRT - i.e. stay off the air
entirely. TO GIVE THE QRPers, New Comers, Beginners, Neophytes a chance. This year a new idea will
be tried, suggested by G3SXW who himself would like to make a "First Timers" QSO. whereby a "BIG-
Brother" station will remain on the air, by removed from FTers, ready to help them, give QSTs re
Tests, etc. DATES: and tentative "Big-Brothers" are as follows. --- EU/AF "FIRST TIMERS", (All
others QRT) DEC 17th, (G3PQA), JAN 7th, (G6BQ), FEB 4th, (G3SED) ----- W/VE/NA "FIRST TIMERS", (All
others QRT) JAN 7th (VOLFB), MAR 4th (W2EQS). ----- Only "Complaint" registered against FTers
tests by those who QRX - "what do I do if I hear a rare DX I haven't worked before." ANS:: IF it is
REAL RARE one - work him quickly and get it over with and off the air for FTers. It is hoped
someday also to organize TRANSPACIFIC 160 METER DX TESTS!!!!

TIME: 0500-0730 GMT

FLASH FLASH FLASH !!!

Back up - Bless Those

Both of WIBB's 160 Meter antennas temporarily out of service !!!

BIG BLIZZARD here last night, Feb 9/10

WIBB Home WTH antenna - up since 1940 without trouble, has broken open wire feeders.
a "Warm-Weather" job to repair, since two roofs much be climbed to lower Ant.

WIBB Tower Antenna - broke it's "Safety-Links", and both ends are laying on Snow.

HEAVY COASTINGS of ice and snow, with winds averaging 60 mph, and gusting up to 80 mph
was just TOO much!!!!

2 1/2 to 3" Diameter - Heavy !!

February 17, 1969

ROLF

Gotcha Letter all OK

BOY!!!! What an experience you did have - SURE HAPPY it came out all OK - could have been bad - and what close connections in NYC -- Gosh!! And sorry you had so much time to be alone at the Boston Airport - too bad THANK YOUR LUCKY STARS it all turned out OK

REFERENCE the crystals - am enclosing correspondence - self explanatory - havent heard anything as yrt - please rrtuen the enclosed material to me - I may need it. WHAT A NERVE THEY HAVE!!! Well - anyway when I get the crystal will airmail it - sorry for delay.

REGARDING the condensers - next time I have to go to the city to buy a few things for radiowill try and get the sizes you want etc. Cant quite read your writing but feel sure it is 22, 47, 15, and 8 uuF you want - if not right - let me know - also you did not specify any voltage but since it is for receiver presume 300 to 500 Volts all OK - will see what I can do

YES Conditions for the test very poor - and you didnt miss very much. Look for EKOTU this weekend 21, 22, 23 DXpedition on all Bands including 160 from Malpelo

I Quit early - because I had to conduct the Sunday Morning workhip service at the Church - including the sermon - and since DX wasnt there - no use wasting time I could be sleeping and getting fortified for my job - when you are 65 - you cant be up all night and all day and work too!!

Alice "FAIR TO MIDLIN" - has had another upset since you left but over it now - and about the same - we are doing our best for her.

S000000000 73 and b.c.n.u.

Be sure return correspondence re Crystal

BOY that BOTHERS me - their "NEERVE" !!!!

73. Stew

EXCITING "CHRISTMAS EXPEDITION" By G3UPK/GIBRALTA as ZB2AY:::

Net 29 W/VEs on 160 CW, and 6 on SSB including KV4FZ S9 Plus 25DB for 2 hour QSO!!!!, VP5AA, W1F /KP4. Furthest West/W9PNE. Happily, Roger Now in G/Land is DXpeditioning back to ZB2AY starting March 20th for 5 weeks and will be active. QSL via K3RLY!!! VFB/Tnx Rog!!!

WCW!!! WIBB HEARD IN JAPAN!!! ::::

By JA2CLI/Jun, Jan26, 0840-0850z, JA Sunset time, 129-229 w/QSB/QRN, Clg W7, while WCC/2036k, 60 Miles fm WIBB was hrd 449, 30 Minutes. It was felt, by AURORAL OVAL Research Scientists, practically impossible to get an 1.8Mc signal from W1/Land to JA!! Clem/W1EVT, who has worked lots of ASIAN L.F. Dx believes that LF Signals, when conditions are right, could and DO bounce AROUND the AURORAL Oval and into JA Land, like a billiard ball carom shot. Apparently JA2CLI, w/superb receiving equipment and QTH, has again proved that HAMS can, and DO, do the Impossible!! NOW!! For a QSO!!! Hope-Hope-HOPE -- but this also seems impossible. Ja 1807 $\frac{1}{2}$ -1912 $\frac{1}{2}$ Kc Band severely QRM's by LORAN!!!

EU "FIRST TIMERS" TEST FEB 2 ::::

Completely "Washed-out" by extremely poor condx. Not a single DX Stn hrd across Atlantic by anyone, first time in 2 or 3 yrs - Too Bad too - lots of "FTers" Ready and rarin to "GO" in G/Land. Sir.

"FIRST-EVER" 160 meter QSOs!!!

1.) JAN 25 -- HB9CM/KV4FZ and DL9KRA/KV4FZ. 2.) DL9KRA/PY2BJH -- DL9KRA/TA2E CONGRATS T'all..

W2RAA's "DOUBLE" HULA HOOP:::

"Goes to Town" - QSO'd G3CFV, 0720-50z Jan21, w/589x2 Rpts CW & SSB. Wire Hoop is 80' Diam, and only 3' above Snow, 1ft Deep, or 4' Above Ground. Ed intends to improve it using LARGE Aluminum Conductor -- whatadaya knew about that!!!! Ideal for cutting man made and atmospheric noises - VFB!!

TA2E/ANKARA/"HACI":::

Active on 160. Wkd 17 Stns in Cq/160 TEST. Hrd WIBB 569 Jan 18 0312z - also KV4FZ During TEST.

VK6/swl-Geo. Allen (Ex G/swl):::

Hrd E3QU Jan 19/239, Jan21/349 1130-1210z --- VFB Congrats both.

W4NFL QSO'd OKIATP!!!:::

Dec 22 0630z -- THIS is a real nice one, way from IOWA!!!! Congrats Both.

KENYA - 524 Q!!! W/Kejth, Ex ZD7KH there for 3 yrs now - hopes to be on 160 near future w/KW2000!!

IDEAL QTH of GW3UUZ, "LIGHTHOUSE ANDY" or "ANDY THE LAMP";::: As affectionately called locally, 20 miles West of Cardiff on S. Wales Coast, on Cliffs 100' High. Ant 198' long in three 66' Sections fm top of 180' High Lighthouse, w/500' Counterpoise, 6' High and buried RADIALS. Home Brew 10x Tx & Hammarlund HQ170 Rx. ANDY put a most excellent signal into W/VE during the 1968 TransATLANTIC TESTS ANDY became interested in HAM radio in 1960, by a 'Lighthouse' SWLer talking it up!! And started with nothing but enthusiasm, not knowing the difference between a resistor and Condenser,

but studied and made the TEST OK
NO ONE had ever previously applied to OPERATE from the LIGHTHOUSE but after MUCH Red Tape the GPO issued licenses and he was "On the air" 4th Nov '65. The L.F. bands, especially 160!!! is the main interest at GW3UUZ

VFB ANDY - CONGRATULATIONS to a fine "Self-Made" HAM -- and "KEEP THE BEACON SHINING BRIGHT"!!!!

PHOTO via WIBB

February 23, 1969

Dear Dale/W4DCS, and Bob/W6DX::

"A NIGHT TO REMEMBER" -- HK6TU on 160!!!

CONGRATULATIONS on your marvelous piece of work - putting MALPELO on the 160 Meter DX Wp, for the FIRST TIME ever, and in spite of many obstacles!!!! GRAND "Show" !!!

Believe me, it was a big thrill to make My No. 103 Country -- #100 per ARRL/DXCC Rules!! THANKYOU very very much - Appreciate a LOT!!!!

THIS is indeed a "Memorable Night!!! " -- I'll ALWAYS remember THIS One!!! You have no idea what I went through to make this QSO -- so let me tell you!!!

FRIDAY night, got on test equipment, be all ready, and warm up for you - at the "TOWER" While doing this, suddenly, everything went haywire, SWR all 'shot' and way up, practically NO soup in the antenna - altho could wk locals w/559 rpt, couldnt find the trouble Friday nite - but knew I just couldnt work HK6TU way things were. Wasnt too concerned, because had heard that you wouldnt be able to be on Friday Nite - and that gave me Saturday to fix up!!

SATURDAY morning, bright and early, started to find and fix trouble. Took ant down - thought maybe BALUN at apex had blown - found it warped and case opened up, and apparently water and ice leaked in during the terrific blizzard we had the previous week - so shorted it out, and fed ant directly. BUT NO SOAP - didnt work - was bad as ever - so that wasnt it. Took ant down agn, removed coaxial feed cables - tested- found SHORT somewhere !! In the long long cable - but where?????. Cut off a section, luckily found a shorted connector. ALL THIS up on a tower in 25 mph 34 degrees F northeast wind at ~~SEABOARDS~~ seashore, nothing but waves and sea gulls below -- and it took most of the day - I really suffered - fingers numb almost frozen - but knew I MUST be ready for you Saturday Night -- and I WAS!!!!

Came down to the "TOWER", Saturday night/Monday AM/GMT 0400 -- called CQ DX TEST to try it out - and "BLOOIE" again!!! It "Went-West" and I was off the air. Wasnt too concerned because after working on the TOWER all day, when I came home to relax and have supper, had my receiver on 14,005 to see if you were there. Nil - but heard several Ws chewing with HPLIE and they were saying the sea was rough and you hadnt landed yet, and wouldnt until during the next day, Sunday - so I wasnt too worried, because that would give me another whole day to find and fix the trouble. I chewed with W2EQS, and W3FE, and they said my signal was so weak I sounded like DX myself. Anyway, I figured you would be on for SURE Sunday, and I MUST find the trouble and get back on the air. ALSO, I had a msg from "GUS" saying he would be on 1827 ke from SENEGAL this night, and although I have already worked 6#8, I wanted to QSO "GUS" W4BPD and let him know we were with him. SOOOOOOO I got out my flashlight, climbed the tower - set to work looking - unwrapping Connectors and checking. WELL, I found another connector shorted. Cut it out. Went home, got a short section of cable and spliced it in. ALL this, up on the ladder on the tower, with flashlight, which I held in my mouth, in pitch dark, Temp 33F and light wind - but damp and cold believe me - my fingers were frozen by now.

WELL - it was working all right, and at 0600 I called GN/W4BPD, "Gus" - listened - and he heard very very weak 119 (maybe 119) signal on 1827, where he said he would be - apparently calling me - very fast sending - too fast for the QRN and weakness/QSB - so I went back and asked him to QRS - and on the next "over" the signal was still there - very weak -, still 119 but QRS ok - so I think it musta been him - but too weak to read, so I said 73/sk/GN. THEN I scanned the band to see what was 'Cookin', and lo and behold, in spite of the info I had gotten on 20 in the PM - that you wouldnt be on - there was K1PFW/8 QSDing you. Found you promptly - 339/449 and QSB out at times. Then at 0641 Contacted you, got my rst 569 ok - gave you "R" and sent your 449 - then "BLOOIE" again - SWR sky high against the pin - same trble - and TX off the air. Ant input to Rx also way down, and couldnt hear you to see if you QSL'd or not. Did hear a couple of "HIs" - apparently some guys had heard the RFut when rig went off the air. 'Hi' to them - but NO FUN for me!!! Here I had lost theat No. 100!!!

UNDER these circumstances, I must TRY anyway - although odds didnt seem too good - to get back on. Rushed back up on the tower, on ladder, with flashlight - checked connectors - but couldnt find trouble this time - but suspected it between the antenna leader and the shack somewhere. Got an idea. Rushed home - in car - 1 1/2 miles - got 150' DRY new Coaxial cable, in 4 Sections, with connectors, clips, wire, tape - went back up tower dragging one end and up --cut the connector off the antenna leader - "Skun" it back, to make an OPEN BIKINEX splice connection, between it and the leader - without using connectors which I couldnt install way up on the tower in the dark, without iron etc. WELL!!!!!! When I cut the vinyl covering back on the cable, my fingers felt wet - I put the flashlight right on it --

February 23, 1969

" A NIGHT TO REMEMBER" !!
103rd COUNTRY (ALL time) -- 100th COUNTRY (ARRL/DXCC Rules) de W1BB.

MADE IT!!! Thanks to Dale/W4DQS, and Bob/W4DX, via their MALPELO, HK/TU DXpedition w/ Meters 'aboard' ---- QSO'd at 0641 briefly, and 0711 confirmed, Feb. 23rd, for Country 103, "All Time", and #100, per ARRL/DXCC rules!! CHEERS!!!

What "A NIGHT TO REMEMBER"!! for W1BB!! -- In the middle of the first Contact, things suddenly went "Kaput", SWR meter against the pin, no radiation, and 'off the air' !! GADS !!! What a time for a failure - just before QSL of the contact was received from HK/TU !!!

CHECKED things quickly, and indications were that somewhere in the 235 Ft of Coaxial cable between the transmitter and antenna, there was a SHORT.

WHAT TO DO?? HOW to find it?? Could it be done quick enough?? In the middle of a dark, cold, windy night right at the seashore, temp 33F, wind 25 mph !!

HOWEVER -- grabbed my flashlight, gloves, ear muffs, and started up the ladder on the tower. There were 3 joints w/fittings. Removed tape covering, uncoupled, and inspected joints, one by one. LUCK!!! The second one, about 130 Ft from the shack HAD shorted. Fortunate to find it so quickly. Hanging onto ladder with one arm wrapped around it, holding flashlight in mouth, had to remove gloves, and fingers getting numb, with pliers and cutters, and jackknife, cut the shorted joint out -- stripped down the vinyl and braid to make 'jury-rig' open splice.

WHEN I stripped the Vinyl, my fingers felt wet - I looked carefully with flashlight, and sure enough, water was oozing out - quite a lot of it - between the Vinyl/Braid and the polyethelene center of the cable. SOMEHOW, condensation had gotten in there, and was running down inside and into the fittings. THIS was what undoubtedly caused the RF Short. HOW the condensation got in is something for FUTURE investigation.

RUSHED home - 1 1/2 miles - collected 175 Ft of spare coaxial cable, used for emergencies, field days, etc., in four sections, w/Connectors already on ends. Rushed back to the "Tower" - coupled cables together, and up the ladder again. Dragging one end of it - the rest trailing down onto the ground. Tied Coax to ladder - made the OPEN WIRE splice between the two sections, without connectors - hanging onto ladder with one arm, pulling ends together in front of the flashlight, where could see and work on the joint. This done, went back down - unrolled and coupled rest of the coax cable, out around the "tower", over ground, and into the shack, through open door and over the floor - hooked the end, which had connector already on it, to the Antenna relay - then the CRUCIAL Moment - Tested it -- OH BOY!!!! SUCCESS!!! It worked!!!! With that DRY and new coax, everything was back to normal - SWR 1/1, fine and dandy!!!

WAITED for a break - he WAS still on - gave HK/TU a call - he came right back!! SO DID 2 or 3 other guys, right on top of him. Apparently they had heard my first 1/2 a contact, and were still QRX on the Fy, for their first contact. One said "Only one QSO per station" !! Another, "HOG", and still another "Come Now!!!" --- I could hear I was very unpopular all right -- but stuck to it - new countries are scarcer than hen's teeth now -- it might have been a real long time before the next one. THIS was a real important event for W1BB - the 103/100th Country!! I did get the "QSL" from HK/TU, and QRT fast - in favor of the gang -- but regardless, I wasn't about to miss that one - especially, after all the trouble I'd been to.

AFTER the contact, I settled back in my operating chair, relaxed, took a nice rest, re-living the whole incident over again -- then took my pencil in hand and wrote these "Memoirs" !! Was even a bit PROUD of myself - at 65 yrs - being able to climb the tower at night, under adverse weather conditions, without safety belt which I usually always use, but forgot in the excitement this time -- and make emergency repairs IN TIME - about 30 Minutes - to get my 103/100th COUNTRY on 160, and hit the "CENTURY" mark, a 1a ARRL/DXCC rules, all OK!!!

HERE'S TO --- "HAPPY HAMMING Always" - especially if it is on 160!!!

Stew.
de Stew/W1BB
2/23/69

Personal Pictures Album



1.

Shows PY1-15652 in 1964 in his "shack". The converter that was "converted" to Top Band is the box under the globe. It fed into a BC receiver at 1500kHz without any filter whatsoever.

Personal Pictures Album



2.

January 1965: PY1-156652 in the shack of Earl Cunningham, then W8DGP (later W5RTQ, KL7FRY and now K6SE). On the left is W8TZP. My visit a few weeks before induced Earl to arrange for equipment and antenna to get active in the 1965 CQ WW DX contest, when this pix was taken and when Earl got bitten by the 160m bug for good.

Personal Pictures Album



3.

Easter holiday 1965: my first visit with Stew, W1BB, in front of his home. Note the huge 160m loading coil on his whip antenna!

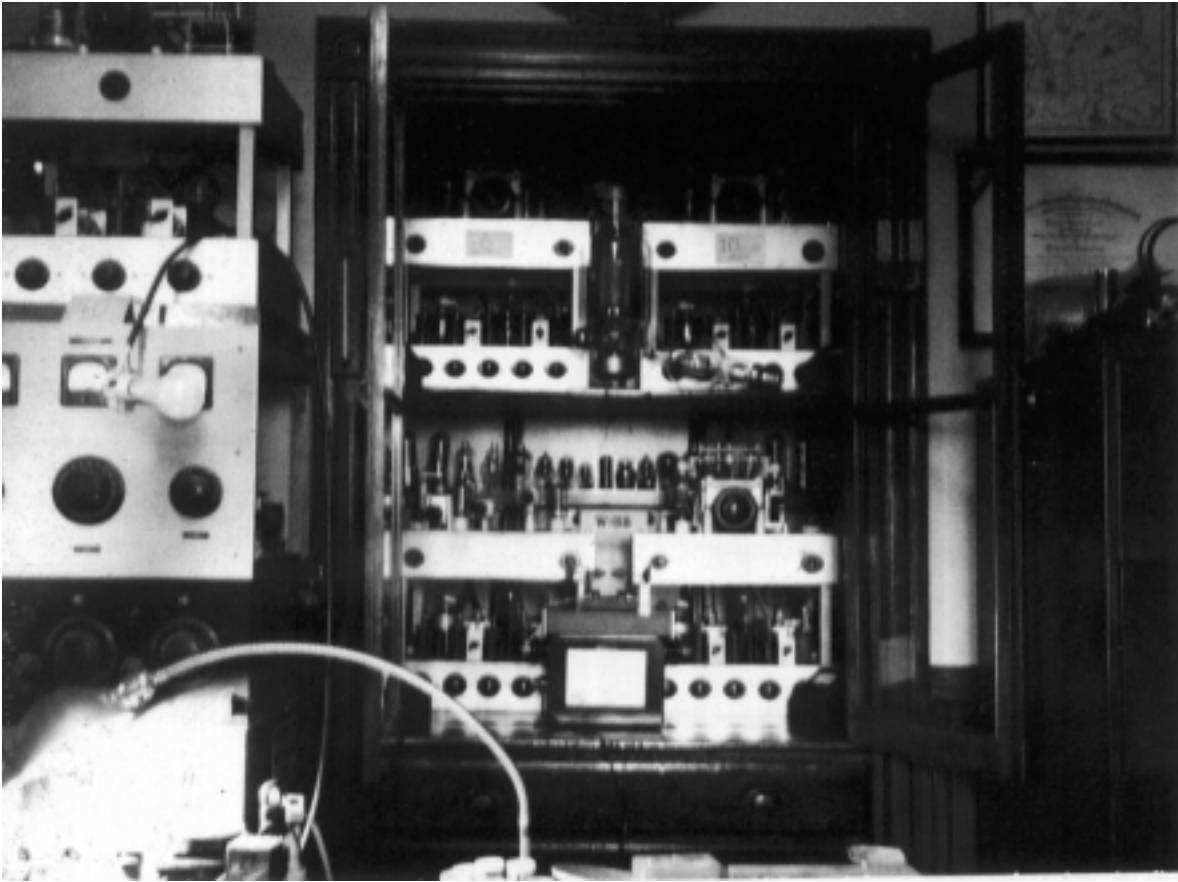
Personal Pictures Album



4.

1965: The W1BB/1 setup at the "tower" QTH. Notice full redundancy of the station. The two little boxes at the lower right control instantaneous switching between the rigs in case of a failure. Nothing could be left to chance! Also note the two loudspeakers, which Stew preferred to headphones!

Personal Pictures Album



5.

On another visit to W1BB, in 1974: Part of Stew's "museum" station, partially set into the wall. It featured separate finals for all HF bands and was still in working condition. One switch would turn on dozens of filaments and it all looked a bit like a lit up Christmas tree!

Personal Pictures Album



6.

1974: Stews main operating position at the home QTH.

Personal Pictures Album



7.

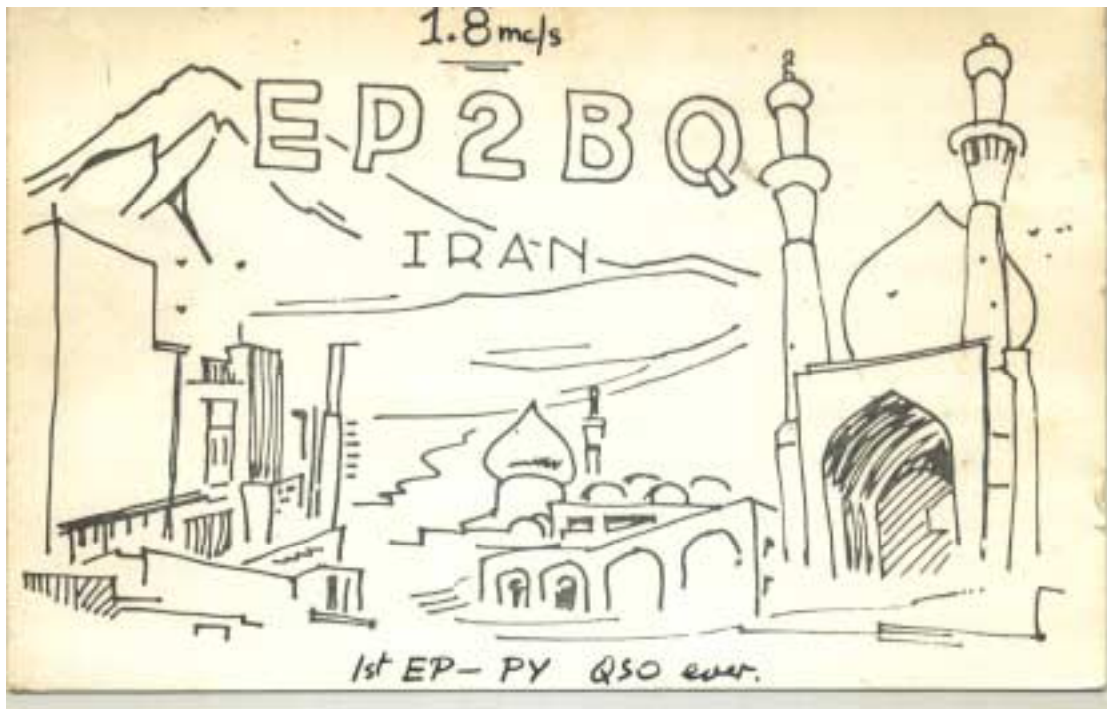
1974: Stew was always busy receiving visiting hams. This time he was putting up with me and HB9AJU.

Personal Pictures Album



8.

In 1976 on yet another visit: Stew, myself and Ralph, W1HGT (now W1HT), a great signal in those days and # 2 Top Band DXCC.



435

RADIO **PY1DVG**
 THIS CONFIRMS OUR CONTACT
 DATE **7/7/72** TIME **0106** GMT.
 FREQ. **1.8** MC/S CW/~~SSB~~

RST 459.

HARRY McQUILLAN
 c/o DEPT. OF GEOLOGY,
 PAHLAVI UNIVERSITY,
 SHIRAZ, IRAN

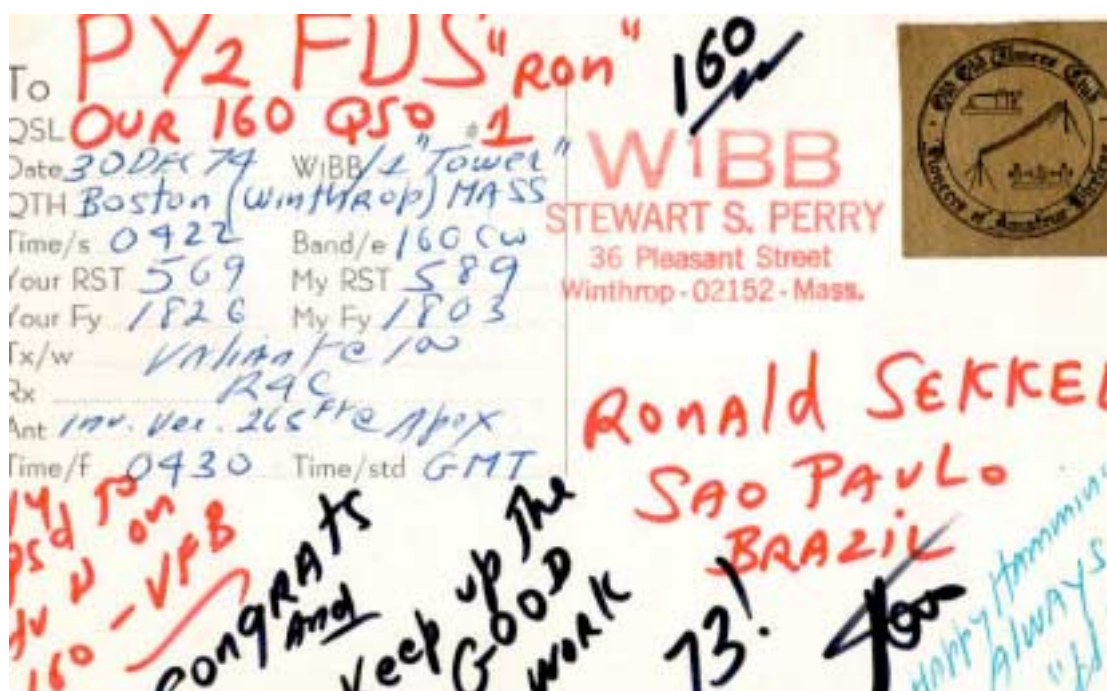
73, Harry.

ex ZL4JA, G3KWM VBSJA

*I believe this may be the
 first ever South-America to
 Asia QSO on 1.8 mc/s.
 Hope we can do it on
 SSB next time Holf.*

73 - Harry -

Also 8/7/72 1.8 mc/s RST 449 at 0115Z.



10.

A W1BB QSL – Always with a happy message !

COMPLIMENTS OF

W1BB

★ ★ ★



**ALWAYS
Be
CAREFUL**



★ ★ ★

- (A) Kill all transmitter circuits completely before touching anything behind the panel.
- (B) Never wear 'phones while working on the transmitter.
- (C) Never pull test arcs from transmitter tank circuits.
- (D) Don't shoot trouble in a transmitter when tired or sleepy.
- (E) When working on the transmitter, avoid bodily contact with metal racks or frames, radiators, damp floors or other grounded objects.
- (F) Keep one hand in your pocket.
- (G) Develop your own safety technique. Take time to be careful.

★ ★ ★

Death is Permanent!

COMPLIMENTS OF

W1BB

R--READABILITY SYSTEM

- R1. Unreadable.
- R2. Barely readable, occasional words understood.
- R3. Readable with considerable difficulty.
- R4. Readable with practically no difficulty.
- R5. Perfectly readable.

S--STRENGTH SYSTEM

- S1. Faint signals barely perceptible.
- S2. Very weak signals.
- S3. Weak signals.
- S4. Fair signals.
- S5. Fairly good signals.
- S6. Good signals.
- S7. Moderately strong signals.
- S8. Strong signals.
- S9. Extremely strong signals.

T--TONE SYSTEM

- T1. Extremely rough hissing note.
- T2. Very rough a.c. note, no trace of musicality.
- T3. Rough low-pitched a.c. note, slightly musical.
- T4. Rather rough a.c. note, moderately musical.
- T5. Musically modulated note.
- T6. Modulated note, slight trace of whistle.
- T7. Near d.c. note, smooth ripple.
- T8. Good d.c. note, just a trace of ripple.
- T9. Purest d.c. note.

(If the note appears to be crystal controlled, simply add an X after the appropriate number.)