



DX MONITOR

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VOLUME EIGHT, NUMBER 18

DXWW times are Greenwich Mean Time. Domestic section times are EST. GMT = EST + 5 hrs

President: (All dues and changes of address should be sent here)

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Membership Dues: (U.S. funds) \$9.50 first class mail, \$6.50 third class mail, \$14 air mail. Third class is not recommended because of unreliable service.

Please mail dues to Mike at Box 1122 only and make funds payable to 'IRCA'.

Publisher: Don Erickson, 6059 Essex St., Riverside, Calif. 92504. 714-687-5910.

Bulletin schedule: Weekly, dated Saturdays. Next issues: Jan. 30, Feb. 6, 13, 20, 27, March 6, 13, 20, 27; Apr. 3.

Editors' Deadlines: Each editor should clearly state deadline every week.

LAST ISSUE The last issue, 1/16/71, was mailed Sunday. The local Riverside copies by third class did not arrive until Thursday! Same thing happened twice last spring, once the year before. And it will probably be even worse in months to come. First class mail appears to have been dispatched promptly. Solution? None if you can't afford the extra \$3 for first class mail. And, please, don't bother your PO with complaints. Even more important, don't bother the Riverside PO. Service is generally very good. Many cities have it worse.

BALLOT Last issue contained a ballot card. If you failed to receive one or did not notice it and inadvertently threw it out, please request one through pub. hdq. Ballot deadline will remain March 1 barring an extremely severe delay on the bulk of the third class bulletins.

NEW MEMBERS!!!

Duane Barcena - 3236 North Clark St. - Chicago, Ill. 60657 (via KFAB and WCFL)
Dennis G. Hancock - Route 2, Box 26 - Warrens, Wisc. 54666 (via unnamed friend)
Ellis L. Hart - 35 Ridge Drive - Fairfield, Ohio 45014 (via KCBS, WWVA, KFAB)
David G. McLane - 562 South Yarrow - Oregon, Ohio 43616 (via Comm. Handbook 70, 71)
Thomas H. White - 1119 No. Harrison St. - Arlington, Virginia 22205 (via WBAP)

RENEWALS

Richard C. Evans - P. O. Box 2146, Chicago Ave. Stn - East Chicago, IND. 46312 (joined 2-23-65, #321)
Cadet Arvidas K. Jarasius -
Company B-3, USCC - West Point, New York 10996 (joined 8-17-68; rej.)
Edward S. Kocsan - 7 Brooklawn Drive - Morris Plains, N.J. 07950 (joined 2-14-70)
Dave Martin - P. O. Box 471 - Palo Alto, Calif. 94302 (joined 3-2-65, #334)
S Sgt Michael P. McKee, FR 568 46 0932 - 1901 Comm Sq - Travis AFB, Calif. 94535
Don & Elroy Shelley - 7037 North 41st - Milwaukee, Wisconsin 53209 (1-14-67)⁽⁵⁻²⁻⁷⁰⁾
David F. Thomas - P. O. Box 11531 - Tampa, Fla. 33610 (joined 2-14-70)

NEW ADDRESSES

Jerry K. Conrad - P. O. Box 691 - Orlando, Fla. 32802
Glenn Hauser, FR 448 42 7204 - PSC Box 4563 - Robins AFB, Georgia 31093
Bill Higgs - 10013 Greenbelt Rd. - Lanham, Maryland 20801

FET - BCB LOOP Ralph Sanserino is now accepting orders for kits for the construction of an FET booster alt-azimuth box loop, DCL-style. This is not an IRCA project but details are being provided in DXM. The kits are available to all

DX CALENDAR

	<u>EST</u>					
Sat. Jan. 30	0000-0030	<u>WBKC</u>	1560	Chardon, Ohio	1kw	IRCA/Jerry Robertson
Sun. 31	0000-0400	<u>WCOX</u>	1540	Camden, Alabama	1kw	NRC/IRCA-Lombardo
Mon. Feb. 1	0000-0400	<u>WINR</u>	680	Binghamton, N.Y.	500w	NRC/Wes Boyd
	0200-0400	<u>WNAK</u>	730	Nanticoke, Penna.	1kw	NRC/Howe&Friedrich
	0300-0330	<u>WHIP</u>	1350	Mooreville, N.C.	1kw	NNRC
	0400-0430	<u>WNUE</u>	1400	Ft. Walton Bch, Fla.	1kw	IRCA/Bill Lemak
Sat. 6	0000-0030	<u>WBKC</u>	1560	Chardon, Ohio	1kw	IRCA/Jerry Robertson
	0300-0330	<u>WNWI</u>	1080	Valparaiso, Ind.	250w	IRCA/Al Ogrizovich
Mon. 8	0330-0430	<u>WAJR</u>	1440	Morgantown, W.V.	500w	NRC/Dave Schmidt
	0400-0600	<u>KSRM</u>	920	Soldotna, Alaska	5kw	NNRC
Mon. 15	0100-0200	<u>WJOB</u>	1230	Hammond, Ind.	1kw	IRCA/Al Ogrizovich
	0100-0400	<u>WSAR</u>	1480	Fall River, Mass.	5kw	IRCA/NNRC-Friedrich
	0100-0400	<u>WJDM</u>	1530	Elizabeth, N.J.	500w	IRCA/Bob Friedrich
	0230-0300	<u>WSTP</u>	1490	Salisbury, N.C.	250w	NNRC
	0400-0500	<u>WDEL</u>	1150	Wilmington, Del.	5kw	NRC/IRCA-Lombardo
Sat. 20	0110-0210	<u>WKKE</u>	1380	Asheville, N.C.	5kw	NNRC
Mon. 22	0200-0400	<u>WSAR</u>	1480	Fall River, Mass.	5kw	NRC/Dave Schmidt
	0400-0500	<u>WKVI</u>		Knox, Indiana	250w	IRCA/Al Ogrizovich
Mon. Mar. 15	0200-	<u>WJMX</u>	970	Florence, S.C.	1kw	NNRC
Mon. Apr. 26	0200+	<u>WGBG</u>	1400	Greensboro, N.C.	250w	NNRC

CPC Results Steve Kamp, John Oldfield, and Bill Hein reported KAST test by phone; Bob Neal and others by letter. Many phone calls were received by the stn from Calif., Oregon, Wash., B.C., and John Oldfield's reception was in Edmonton, Alta. No positive rpts of WBAA so far. Bob Neal had positive reception of KGRT and Steve Oster had tent. reception.

"TUK-TUK" Another DX needle in the haystack hit the airwaves 1/21/71, Radio Tuktoyatuk, operating on 600 kHz with 1000 watts ND using a 150' tower; the original 273' tower and the site had to be scrapped because some of the local residents decided to build homes on the site three months after the land was sold to the company (it could only happen in the Arctic!). Initially, 4 hours a day will be in Eskimo and English; the balance of the schedule is, of course, taped. The announcing staff is local residents who have been trained by the CBC at CHAK, Inuvik. CHUM Toronto paid the \$50,000+ ticket and will also provide up to \$10,000 a year operating costs. Radio Tuktoyatuk is not a government station, but a private station, unusual for up there. Situated on Canada's Arctic coast, 85 miles north of CHAK-land (Inuvik), there is a mere 2500 miles separating it from Denver or San Francisco. It was officially opened while in the construction stages by Queen Elizabeth who was on tour last summer in the North. Construction was delayed for months due to the "homesteading". The correct call is forthcoming because three official statements show three different calls. Only ten or twelve ANers on 600; this should be a cinch!!

via telephone from John Oldfield, Edmonton, Alberta

WBKC is tentative for one of the dates listed and will test for at least the period mentioned but may stay on later. There will be cycle tone and very few IDs. Reports should be sent to: Michael A. DiLillo, CE, WBKC, Box 266, Chardon, Ohio 44024.

WCOX will use C&W music, occasional cycle tone, and reports should be sent to: Mr. Steve Kennedy, WCOX, Drawer 620, Millers Ferry, Alabama 36760. -John Lombardo, phone

WINR will be repeating the 12/21 program because cx were poor that morning. Reports to: Kevin VanDerbeck, WINR, 70 Henry St., Binghamton, NY 13901. -Jerry Starr

WNAK will be more of the same thing as previously. Music and many IDs. Mr. Robert Neilson, CE, WNAK, 40 E. Main St., Nanticoke, PA 18634 should receive reports.

WHIP reports should be sent to: Ed Stanton (for) Mr. Wayne M. Nelson, Owner, Radio WHIP, P. O. Box 600, Mooreville, N.C. 28115. -NNRC

WNUE will use rr mx; reports should be sent to: Mr. Jerry Ryan, CE, WNUE, P. O. Drawer 400, Fort Walton Beach, Fla. 32548. -IRCA/Bill Lemak

WAJR reports to: James R. Murphy, CE, WAJR, 440 Spruce St., Morgantown, W.V. 26505.

KSRM reports to: Mr. Bert McAllister, News Director, KSRM, P. O. Box 950, Soldotna, Alaska 99669. -NNRC/John T. Tweedie, CPC CHAIRMAN.

More On 'TESTS' and DXs

-Jerry Starr, WHOT
NRC CPC Chairman

In response to his comments in the 1/2/71 DXM, Don is quite correct in stating that it is against FCC regulations for a station to conduct a transmission specifically for DX purposes with facilities not licensed for operation during the early morning hours (day power/pattern or day-only stations). It is important that all CPCers keep this in mind when making their requests to stations. However, each station is permitted to operate during the experimental period (see Mike Northam's President's Report, elsewhere this issue) for the purpose of equipment testing. In fact, each station is required to conduct periodic tests for proof-of-performance purposes. Of course, there are also tests for trying out new or repaired equipment which can't be conducted during regular station hours, etc. CPCers must not ask a station to operate with its daytime facilities for DX purposes only, but should ask the station to allow them (the club; DEE) to list the time and date of any equipment testing they may be anticipating. The CPCer may also suggest a time and date when the frequency will be most clear of other stations. The FCC can't find fault with this practice since it follows the basic reason for having an experimental period in the first place, keeping interference to stations with a regular AN schedule at a minimum. The CPCer may also ask that frequent identification announcements be made; this also violates no FCC regulation. The only broadcast that may be legally made for DX purposes is one that uses the regular nighttime power/pattern of a station licensed for unlimited operation; even though it does not maintain a regular all-night schedule, it may operate additional hours if it wishes provided the regular night power and pattern modes are used. Mention of the club or members' names should be used only by stations using a regularly licensed night mode, not by daytimers testing or any station testing with daytime facilities at night. Arranging a "test" from a daytime stations should consist only of requesting that the club be permitted to publish the time and date of any equipment testing the station may be planning, suggesting a time and date when the frequency will be most clear and suggesting that frequent identifications be given during a portion of the testing. Do not ask any daytimers for a "DX" test. That's an FCC no-no! -Jerry Starr

(The most often broken rule, by my observations, is the requirement that no mention be made of the club's name and no phone calls from DXers be aired. This has been done repeatedly over the past 6 years; CPCers take note. -DEE)

WINR and WPIC Jerry also mentions that the programs from both WINR-680 and WPIC-790 were indeed aired per schedule. So far, the only recent programs not aired per schedule were the KRAE and KCGO 12/28 DXs which were aired late because the CE could not be present as scheduled. They will be re-scheduled for later in the season, hopefully. A more complete run-down on recent DXs will appear at the end of DX Calendar if any significant details become known. -DEE

CPC CO-OPERATION With almost too little fanfare, the two BCB clubs are making the 1970-1971 season the first season to have at least some real degree of planned co-operation to ease the previous problem of duplication of efforts. Both CPC Chairmen worked out a set of frequencies on which the respective clubs will concentrate. IRCA frequencies are CLEAR 640 660 680 700 720 740 760 780 810 830 850 870 890 940 1000 1020 1040 1060 1080 1100 1120 1140 1170 1190 1210 1500 1520 1540 1560; REGIONAL 550 570 590 610 630 910 930 960 980 1250 1270 1290 1310 1330 1360 1380 1410 1430 1460 1480 1600. ALL LOCALS. NRC has all clears and regionals not listed; both clubs have all locals (known to many as 'graveyarders'). IRCA CPCers (and non-CPC IRCA members) will work ONLY from those frequencies, with the following exceptions: 1) a local stn on an NRC freq. that you know will test; 2) correspondence from a stn for other purposes reveals that they will shortly have an unsched test and there's not time to forward info to Dan Myers (IRCA CPC Chairman) or NRC CPC Chairman Jerry Starr. ::::: The preceeding was taken from Dan's letter of 9-24-70 to CPC members of IRCA in order to provide non-CPC members with this info. More details can be obtained from Dan if you have questions. His address is: Box 5113, Toledo, Ohio 43611.

Editor; Dave Faulkner Send all reports for DXR & DXF to Bruce Heinburger, 817 Rawlins St. Port Huron, MI. 48060. Deadlines Fridays.

- 540 CBEF ONT. Windsor hrd 12/28, 0050 w/opera, s/off 0105. Only stn that can override WGR slop on 540. (KL) *(KL)
- 560 CFOS ONT. Owen Sound hrd 12/28 1635 w/lite mx. No sign of CJKL*
KLVI TX Beaumont weak signal 2201, 1/5. (RZ)
WHBQ TN Memphis xlnt w/rr, no QRM 0323 12/28. (BEM) *(JJ)
WIS SC Columbia vy strong w/MoR 12/9, 0532. Farn program 0545*
WOOF AL Dothan good signal & s/off hrd 1800 1/7. (RZ)
- 570 WKBN OH Youngstown w/wx then cw 0103-0106 12/13. (DE)
- 590 WVLC KY Lexington hrd clear ID u/CKEY 0230 12/28. (BEM)
- *580 CKY MAN. Winnipeg hrd 12/28 0245 w/record promo. In and out til 0315. (KL)
- 620 CKCK SASK. Regina fair w/MoR mx o/UNIC, not WSUN 0215 12/28(BEM)
WTMJ WI. Milwaukee 12/27 0300 w/local nx, wx then classical nx. (RMB) (sked s/off is 0100 EST. Have never hrd later then that, only WSUN & CKCK - DF)
WVMT VT Burlington hrd for 28th state u/WVNJ w/nx 1/6. (BDB)
- 680 CHFI ON Toronto weak w/SS-sounding nx o/WPTF 12/26 0304 (DSS)
WDEC MI. Escanaba ran ET 12/28. Mode; jazz mx. Good sigs 0330-0345 (JJ)
- 710 WDSM WI Superior poor w/WOR nulled 2350 1/1. (QKB)
WUFF GA Eastman good w/cw 0634 12/30 prob 500w PSA. (JJ)
- 730 CKDM MAN Dauphin w/nx 0107 12/4 vq. (ST)
WFMW KY. Madisonville xlnt w/nx 1709 12/14. (ST) o/ness 1730 1/7 Both this & WJMW were positively IDed. (DSS)
WJMW AL. Athens poor w/ness 1731 1/7. (DSS)
WPIT PA Pittsburg good @ s/off 12/11 1700. (DSS)
- 740 WBAM AL Montgomery good w/rr til s/off 1727 (DSS)
WMBG VA. Williamsburg call change has gone thru. Pgnning still rr. FM call unchanged. (DF)
- 750 WHEB NH Portsmouth w/stock rpt. 1654 12/24. Hasn't been hrd since 11/26/68. (DE) vy good w/long nx rpt 1704-1730 1/1, CBL slop & WSB QRM a/1720 Only NH #2 (JJ)
- 770 KOB NM Albuquerque a pleasant surprise during freak cx w/wx, nx, 12/27 2000 (DSS)
- 780 KCRL NV Reno good w/nx 0200 12/28. (ST) Hrd by David Long, Lockport NY of NRC. Don't know exact sig strength(BEM)
- 790 WPIC PA Sharon poor on DX122750415 CE says xr problems so not @ full power. Anyone else hear 'em???(JJ)
WQXI GA Atlanta good o/u WTAR w/rr 1/4 (QKB)
WVNY NY Watertown in well despite CJAD splash w/Christnas nx, 1733, 12/24. (DE)
- 820 WOSU OH Columbus strong w/interesting (would you believe?) nx 12/11 1701 Strange as gave CST TCs. (JJ) W/FM's "News 70" nx pgn, 1715-1730 12/23. (DE) (BEM - WFAA & WBAP finally settled differences & WBAP became full time at 820 in May w/WFAA going full time, 5 kw @ 570. - DF)
- 850 WKIX NC Raleigh local-like on "DX" 12/14 0100-0115. Used tt & gave IDs every minute. (JJ) *DSS
- 860 KOAM KS. Pittsburg fair o/Dominican w/ET-tt 1/10 0215-0241 ID.*
WEVA VA Emporia local-like w/r/c-nx-tt 12/7 0047-0105 x/off. Used only SIDs. No voice IDs given. (JJ)
- 870 WFLO VA. Farnville good @ s/off 1715 1/1. (QKB)
- 880 WRFD OH Worthington w/cw & s/off 1702-1714 12/23. In will o/u WCBS (DE)
- 900 CJBR QUE Rinouski w/FF 0141 12/23 (ST)
WGOK AL Mobile xlnt w/s/off 1800 12/21. (ST)
WIAM NC Williamston fair u/WRNL slop 1/7 1715 s/off (DSS)

Good showing this time group but let's show rce which section really can be the biggest by your continued staunch support. Tnx - DF

- 910 AR Blytheville hrd 1/6 1805 w/ID then gone as fast as it came (KL)
 WLAS NC Jacksonville vy weak @ s/off 1700 12/27 No SSB (JJ)
 WRKL NY New City hrd w/unlisted f/c 0003-0015 12/31. (JPL)
- 920 CKCY ON Sault Ste Marie 12/27 good sig 0320 w/rr mx. (RMB)
 WJAR RI Providence weak w/MoR & plug for U of RI BKB 0051 1/2 (JJ)
 WMMN WV Fairmount good o/u/WRNL 1/9 2050 w/nx, ads. (DSS) *(KL)
- 940 KIOA IA Des Moines hrd 12/28 0148 w/nx, sports, s/off 0159*
 950 WHVW NY Hyde Park good 1630-1645 1/1 s/off "serving the Hudson Valley" WIBX nulled. (QKB)
- 960 CFAC ALTA Calgary good sig 0240 12/28 (RZ) Vy weak w/wx 0217 12/23. Buried u/CKWS, WBRC (JJ)
 KOOL AZ Phoenix vy weak sig & "Cool Nx" hrd 0400 12/28. (RZ)
 WRFC GA Athens good w/ET-tt 1/3 0148. (DSS)
 ?? Hrd 0300 12/28 w/40; Clock nx. Thought it was CFAC but calls weren't them. (ZBM1? (BEM) (Probably CHNS - DF)
- 970 WDAY ND Fargo hrd 12/28 0158 w/nx. S/off 0159. (KL)
 WMAV IL Springfield fair w/nx til s/off 0007 12/28 WAVE QRM (JJ)
 WWSW PA Pittsburg 0233 1/9 fairly decent on clear background w/static. (BEM)
- 980 WITY IL Danville hrd 12/27 0209 w/s/off info. Thought I had WRC. WITY s/off left WTRY. (KL)
 WRC DC Washington 12/28 0430 w/national nx then nx. (RMB)
- 990 WEEB NC Southern Pines hrd 12/28 on DX TEST w/cw "Beverly Hillbillies 0121-0135 CBW gave much QRM. Really made it tough. (KL) VY poor readability on DX, 12/28 0119. Actually sig strength was fair but CBW killed it. (JJ) Good w/DX 12/28 0108. (ST) hrd fairly well on DX TEST, 12/28 between 0000-0137 (JPL) (Whew, not even tried for - DF)
 WHOO FLA Orlando xlnt w/ET 0344 12/14. (ST)
 WNRZ VA Narrows-Pearishburg (not Peansburg as in NRC log) in the clear w/MoR until s/off 1700 12/28. (JJ)
- 1000 WKDZ VA Alta-Vista weak w/spot for Pet Patrol 12/27 1610 CFRB slop & WIQT QRM. I'm still waiting for W100. (JJ)
- 1010 CBR ALTA Calgary xlt. w/s/off 0300 12/21 (ST)
 1020 WPEO IL Peoria xlnt 1700-1745 1/2 w/KDKA nulled (QKB)
 WCIL IL Carbondale poor 1750 ID 1/2, Much WPEO QRM (QKB)
- 1050 KUPK KN Garden City xlnt w/nx 1827 12/16. (ST)
 1060 WCOK NC Sparta vy good for 250w w/r/c-nx 12/21 0103-0120 . Sends a beautiful v/q. (JJ) *(KL)
- 1070 WAPI AL Strongsbarnard 1820 12/29 0259 w/tt-nx-ET, ID at 0259*
 1080 WUFO Anhearsht fair 1/2 w/WTIC nulled. (QKB) (Poor typing prevented reading the rest of this tip. - DF)
- 1090 XERB BC Tijuana vy good w/Wolfran Jack and spots for the LA area 12/28 0354 (JJ)
- 1120 UNID w/FF 2335 12/28 o/KMOX LPRT?? (ST)
 1140 KLUC NV Las Vegas hrd w/ET-nx 0308 12/28 good sig for 10 kw (BEM)
 1150 CHSJ NB St. John fair just @ s/off 2303;30 w/GSQ 1/3 (JJ)
 KWKY IA Desmoines strong on r/c-tt 12/21 0126. CKOC QRM (JJ)
 WHUN PA Huntington good on r/c 0446-0455 12/28. WRVA OC Killed it 0455 (DSS) *(JPL)
- 1170 WHLW NJ Lakewood finally hrd on RS w/vy weak sig 12/25 1200*
 WVLC MA Orleans 1632 1/6 v/clear w/nx. (BDB)
- 1220 WENC NC Whiteville built to an xlnt lever 12/10 1634 w/Xnas nx. CE says my report furthest ever received for AM outlet. (JJ) *(JPL)
- 1230 WINF CT Manchester hrd vy weak w/s/off 12/31 0102 # 500 hrd.*
 WSTR MI Sturgis hrd 1/4 0104-0112 w-ET-tt ID @ 0112 (KL)

Editor Dave Faulkner (DF)

- 1240 WDXY SC Sunter hrd 1/2 0128-0129 w/ET-nx. Quite strong for good copy. (KL)
 WEBQ IL Harrisburg hrd 12/30 0204 -0228 w/ET-nx & plenty of IDs. Tough copy due to heavy fading. (KL)
 WEDC IL Chicago hrd 1/4 0129-0149+ w/SS EE ID 0130 (KL)
 WINN KY Louisville hrd w/ID o/slop on the freq (QRM - DF) 0354 12/28. (BEM)
 WGVA NY Geneva hrd w/QRM from WSNY 0128 12/30 (JPL)
- 1250 WMTR NJ Morristown w/ET 0230 12/31. (JPL)
 WXOX MI Bay City poor w/nx 0645 1/2. Probably on 500w PSA(JJ)
- 1260 CJRN ALTA Edmonton xlnt w/s/off 0300 12/21 (ST)
 KROX MN Crookston good w/FC 0220 12/25. (ST)
 WIXY OH Cleveland poor w/WNXT. IDed as wick-see and "Voice of the Cavaliers." 1645 12/31 (that must be frustrating) (DSS) (Not as frustrating as it is in Buffolo when the Braves are playing Cleveland hi. - DF)
- 1270 WHBF IL Rock Island hrd 1/2 1721-1728 vy strong o/WXYZ (KL)
 WTID VA Newport News fair w/cw 12/9 0600 s/on w/500w PSA (JJ)
 WXYZ NI Detroit 0236 1/9 fair w/rapid fading o&u FF stn. (BDB)
- 1290 KTRN TX Wichita Falls xlnt w/spot 1813 12/14. (ST)
- 1300 KILY SD Mobridge xlnt w/r/c 0200 12/28. (ST)
 WTAQ IL La Grange fair to good w/soul 12/28 0330. (DSS)
- 1320 KXLW M O Clayton goot on ET w/spirituals 12/28 0405 (DSS)
 KXYZ TX Houston fair w/nx 0404 12/28. (DSS)
 WKAN IL Kankakee fair w/MoR until power cut/pattern change 1730 12/25. (JJ)
- 1330 KFH KS Wichita buried u/WHOT w/wxw 0301 12/7 (JJ)
 KVOL LA Laffayette xlnt w/ID 1844 12/4. (ST) *(JPL)
 WASA Hayre de Grace hrd w/s/off thru local WEVD 1645, 12/28*
- 1340 WGAU GA Athens xlnt w/f/c 0125 12/21 v/1 (ST)
 WIRY NY Plattsburg in briefly 0230 1/2. (JPL) *(BEM)
 WLDY WI Ladysmith hrd well w/r/c on sked 0145-0200 EST 12/28 *
 WMID NJ Atlantic City good w/rr 0236 12/21. (ST)
- 1360 CKBC NB Bathurst fair w/"ratio active" news 0530 1/2. Obviously on ND xr. (JJ)
 WHBG VA Harrisonburg fair w/promo for WHBG kiddie show 1647 12/21. QRM from WSAI, WWNS. (JJ)
 WKMI MI Kalamazoo poor w/contest promo 0803 12/30. (JJ)
 WSAI OH Cincinatti hrd 1744 1/6 w/nx o&u WDRC (BDB)
 WWOW OH Conneaut good w/WWOW nx, 12/21. Some WSAI QRM (JJ)0728
- 1370 WLTH IN Gary hrd 12/28 1714 w/stock nkt wx & s/off QRM WSAY (KL)
- 1380 WAOK GA Atlanta good w/rr 0123 1/2. Some QRM from CKLC Nightcap. (JJ) Fair w/gospel nx, u&o/WLCY & the Dominican 0150 12/28. (DSS)
 WFSR NY Bath on ET 12/18 0037-0043 w/code IDs 0038, 0043 (DE)
- 1390 WFMJ OH Youngstown hrd w/a weak signal @ SSS 12/28. (JPL)
- 1400 WJHO AL Opelika good w/rr, nx 0230 12/28. (DSS)
- 1410 KWYO WY Sheridan Good w/f/c 0205 12/21 v/1. (ST)
 WAZY IN Laffayette vy good w/slight QRM on DX 12/21 0404. DX consisted of Xmas nx & tt. (JJ)
 WELM NY Elnira poor w/ID 0005 1/9. (DSS)
 WYMB SC Manning fair on r/c-tt 12/21 0051. (JJ)
- 1420 KABR SD Aberdeen xlnt w/f/c 0114 12/18. (ST)
 WEMB TN Erwin hrd 12/29 1713 w/s/off sermon. Vy good. (KL)
- 1430 WDIC VA Clinchcoe good w/f/c 0132 12/21. (ST)
- 1440 CKPM ON Ottowa 1/9 0315 w/MoR nx o&u WQOK?)BDB(*(DE)
 WHHH OH Warren in well o/CKPM w/"The Afternoon Show 1736 12/23"
 WPRS IL Paris fair s/off-SSB 12/8 1728 WHHH QRM (JJ)

- WQOK? SC Greenville almost positively 0328 1/9 w/rr & ID "W-Q-O-K it goes on and on and on." NRC logs says they s/off at 0100. ??HELP!!!!(BDB)
- 1450 WOL DC Washington 12/28 0000 on top w/nx, wx. Good signal.(RMB)
- 1460 KRNY NE Kearney good w/ET 0121 12/28. (ST)
- WOKO NY Albany 0252 1/9 rough w/trash o&u. (BDB)
- 1480 KLEO KS Wichita w/r/c 0400-0415 12/28. 2 states in one MM(BEM)
- WRDW GA Augusta good w/"right on" nx 0156 1/2. WLEE QRM (JJ)
- WNKY KY Neon vy poor on r/c-tt 0123 12/21. (JJ)
- 1490 WAYB VA Waynesboro hrd 12/31 0250-0301 w/ET/nx. ID 0255. About even w/WABJ (KL)
- WBCB PA Levittown poor w/r/c 0145-0200 12/28. (BEM)
- WFEB NC Fayetteville hrd calls u/WBCB 0158 12/28. (BEM)
- 1500 KSTP MN St. Paul good w/f/ball interview 1627 12/27. No WTOP, WFFF QRM (JJ)
- 1530 KRCR MO Bowling Green xlnt w/ET 0127 12/28. (ST)
- WELA NJ Elizibeth xlnt w/ET 0127 12/28. (ST)
- 1540 ANS BAHAMAS Nassau vy good w/wx into nx til dawn 0001, 12/25(JJ)
- 1550 KGMO MO Cape Girardeau w/r/c 12/30 hrd a/CBE s/off 0111-0115(JPL)
- WBAZ NY Kingston on Wan ET 0137 12/29. (JPL)
- WNTN MA Newton xlnt w/ET 0121 12/28. (ST) 12/28 0219-0230+ IDed 0228. Vy strong like local. W/good strength 0112 12/28. (BEM) Vy good for few minutes 1/6 1600 after nx. (BDB)
- WRFL IN W. Laffayette PIRATE good w/RR 0203 12/28. (ST)
- 1560 KLTI MO Macon poor w/rc-tt 0206 12/25. WTRQ off by then. (JJ)
- WBKC OH Chardon ran ET-OC-tt 12/19 0117. Good signal. (JJ)
- WKOG GA Gordon hrd 1/6 0106-0120+ w/ET, cw nx ID a/every record xlnt signal. (KL)
- WTRQ NC Warsaw fair w/ET-cw 12/23. IDs a/each record. (JJ)
- *1550*WSHN MI Freemont poor on r/c 0115 1/2. (QKB)
- 1570 ???? UnID tester w/tone 0120-0130 u/CKLM (DE (Date? - DF)
- 1580 KCHA IA Charles City fair w/unlisted f/c-rr Mexican QRM 12/25, 0133. (JJ)
- WAXU KY Georgetown hrd 1/6 1745 s/off. No SSB Even w/CBJ. (KL)
- 1590 WCBG PA Chambersburg hrd w/r/c 12/28 0001-0015. (JPL)
- WGOE VA Richmond started poor & built to xlnt on DX w/"The Jim Grainger show 0016-0310 12/20. (JJ) o&u WAKR w/rr nx on test 0150-0212 12/20. (JR)
- 1600 KBOR TX Berger rather weak w/spots 1938 12/15. (TM)
- "WWUN*1590 MS Jackson good on ET 0230 w/rr 12/9. Regular on SSS (TM)
- 1600 WEPN PA Elizibeth 12/29 0100 r/c-tt. Tue after 4th Mon. (DF)
- WKSK NC West Jefferson fair w/unsked f/c 12/21 0015. (DSS)
- WCPK VA Chesapeake poor s/on w/SSB 0602 12/28. (DSS)

MOST HUMBLE TNX ARE DUE THIS TIME TO;

(DSS) Dave Singer Richmond, Va.	(QKB) Quentin Brown Ottawa, ON
(TM) Ton McCormack W. Laffayette, IN	(ST) Steve Taaffe Dayton, IN
(JR) Jerry Robertson, Crosswell, MI	(DF) Your Editor
(JJ) Jim Jankowski Corfu, NY	(RZ) Robert Zoller Westland MI
(JPL) John P. Lombardo Irvington, NJ	(BDB) Bruce Bennett Levittown NJ
(KL) Ken Lyon Clarence Center NY	(RMB) Richard Bartos Campbell, O
(DE) Dave Egan Valleyfield QUE	(BEM) Bruce McFadden Clarence, NY

Dave Faulkner 1430 Pine Grove Ave. Port Huron, Mich. 48060

Despite what you have read anywhere else DEADLINES ARE FRIDAYS. Reports may be sent to either address but it's netter to send then to B Brh. Sorry about the large number of type-os but had a large number of reports and a small amount of time and help. If you are in the area on Friday nights pse drop in and help. Little DX so far this year. Only three hrd, all of which will appear next issue. We have decided that we would like to keep the job. It took reports from BDB 2 days, DSS 2 days HPL 3 days KL 2 days, to arrive. Rest sent by MD. This idea per DSS. Oops, out of room so 73s, good DX, report peace & BCNU.

January 23, 1971

EAST COAST DX FORUM

Page 8

DEADLINE: 8 days before publication date. Give 3 day mailing time.

Robert Zoller * 8125 Donna * Westland, Mich. 48185

On 12/28, I received my record catch which was KOOL, and added a new state, Arizona. The signal was very weak with mild interference coming from CFAC Calgary. The past week I have received veries from CJCA-930, KIMN-950, KMON-560, and KOOL-960. (some mighty fine catches-ed.) Also in the past week many stations from the south have been coming in better than usual, mainly from Ala. Once in a while stations from the Caribbean area came in. But I don't know much about Spanish so I could not understand any ID's. (Am sending a short letter to help with problem-ed.) So far here I have 39 states heard.

Quentin K Brown - 59 Kenilworth - Ottawa, Ont.

Tnx to Marc DeLorenzo for a great job in editing the EC sections the past few years and the very best of luck to Bruce and Dave. 73s (Tnx to all the members who have supported Dave and I in our responsibility. DEE, this is the last time I do my typing on the floor, hi. Brh)

Jim Jankowski - 11 Meadowbrook Terrace - Corfu, N.Y. 14036

Hi! I hope everyone had a Merry Xmas and a Happy New Year; may I wish the membership a prosperous 1971 (belated). DX specials hrd here in the past month or so: WPIC-790, WKIX-850, WEEB-990, WAZY-1410, and WGOE-1590. An interesting contrast story: why do I receive the WCRV-1580 DX at an excellent level while Ken Lyon, 15 miles away barely gets them at all?? You tell me. Question: is CKBC-1360 common here? (??-Brh) Does WHEB verify? TV DX'ers: if you like the UHF bands, Buffalo has new channel 29 WUTV with a power of 1 megawatt! ZNS-1540 for country #8 here. Veries: v/1 WENC-1220, WPIT-730, v/f- WRKO-680 (MD- if you're plagued with them just come out to Corfu and try to hear 'em!), WIS-560, v/q- WPIC-DX, WCOK-1060(a beauty!), WKIX-DX, v/r- WPRS-1440. Why can't we adopt the abbreviation v/m to mean 'memo verie'? This would take care of those v/1's that aren't really v/1's. Coverage map verie would stay v/CM. Well then, a v/m f/ WEVA-860. 73.

Richard M. Bartos - 692 Moore Ave. - Campbell, Ohio 44405

Hi everyone, DX this month has really improved. Recent catches are WOW, KRVN, WAEL, WMPS, KXOK, and WAYS all on 12/27. Veries coming in from WOWO, KMOX, CHLO, and CKLY all on v/c. Hope everyone had a Merry Christmas and will be happy with the New Year coming up. 73's and good DX'ing in 1971.

David Egan - 12a Andrew - Valleyfield, Quebec

Happy (hiccup) New Year. Drink and DX have kept me in the swing lately. Only DX problem is no U.S. postage here. (note next report Dave-Brh) Anyone want Canadians to trade for U.S. postage? Don't forget gang, every Canadian regular 6¢ stamp has a beautiful picture of the Queen on it! Auroral fans will be happy to know Colombia and Venezuela were heard here as early as 1700 on 12/17. Most recent verie from WTVN. Tom McCormack: I'm still waiting for the 45's. I'm beginning to wonder if he had to sell them to pay for postage in DX reports! (sounds logical to me-Brh) I have 267 veries now. Until the next time my hand finds a pen and some paper, 73's.

Mark Drogin - Ammann College, Room C-111 - S.U.N.Y. at Stony Brook
Stony Brook, NY 11790

(whew) Hello again! It's been about six months since my last report, and a lot of things have happened since then. First, I'm now the editor of the Ham Radio Column for the CIDX Club. By the way, my calls are WA2PBK, technician. I'm pretty involved in my studies at the State U. at Stony Brook, but I try to DX a bit, hi!

Only recent DX has been WBAM's ET (also reptd. by JJ), and the WNAK DX which was quite enjoyable and came in here (after 0100) like a ton of bricks. Which reminds me, can any Canadian member swap Canadian stamps with me for American stamps or for \$\$\$? I'M in CPC, and my area is Eastern Canada, so Canadian stamps are almost a necessity. Only QSL in is from WBAM for ET. Glad to hear that WNAK will do it all again, congrats Bob Friedrich. New equipment here includes a Heath Q-Mult. for my HA-600, a set of RCAF headphones from Meshna in Lynn, Mass(NRC country, hi!) and the ubiquitous TRF. RS: Will definitely purchase a loop kit if they are available. Robert Berger: Give me a ring at 5708 on the land line. Can anyone give me skeds for CJKL, CHCM, CFCH, CKCL, CKGB, CKDH, CHVD, CJTT, CFDA, CBEF, VOAR, & CFLK? Pleez write. Well, that's 15. 73s M. Drogin- sent 1/10, rec'd. 1/13 R. Arruda- sent 1/11 rec'd 1/13 for explanation of this see elsewhere in section-Brh

Raymond Arruda - 6 Wilbur Ave. - North Dartmouth, Mass. 02747

I enjoyed chatting with Gret Condon on 1/10 about DX in general. Welcome to IRCA, Greg. Joe Worcester's loop antenna came on 1/9. It's fantastic compared to any of the other antennas that I've used. Fell asleep before the WKLX Test. The only new verie here is local WSAR. 73

Bruce E McFadden - 4735 Shimerville Rd - Clarence, New York 14031
Sent 1/11, rec'd 1/14 Hi gang. I'm purchasing a used Realistic Tape Recorder & have been DX'ing on the graveyards for the last week. Only stations logged so far are WPAR & WMPT on 1450. Totals are 485/130, 41/35, 6/4, 6/3. Veries in are: v/q- WLS(10days), WROC (9), WKBN(11), WAIT(29), WDAF(11), WDGY(11), & v/l- WHEN(13), KLUC(9). Is WVCR-1320 going to test this year? I need them for Vt! (try WCFR-1480 on their r/c 4th Wed.-Brh) 73's & Peace

John P Lombardo - 23 Grove Terrace - Irvington, NJ 07111

I just wanted to say that MD did a great job as editor of the EC section, and I will be sorry to see him go. Recent veries include WKAR, WEEB, & WELA which just changed their call to WJDM on Jan. 4th. 73s.

Roger Koss - 78 East Second St - Freeport, NY 11520

Last report I made a mistake. My SS was on 830 kc, not 800. Latest heard--WRNL, WSVS, WSBA, WAPA, WGOW, & KDKA. Also caught 12/28 WEEB Test. Can anyone tell me where I can get a Q-multiplier for under \$10? (Heathkit Q-mult. for about 15 \$\$\$-Brh) And last, tnx to everyone who wrote and phoned me, making me feel at home in the club. Well, 73's Fellas (and girls)

Larry F. Abraham * 8470 West Tuscola * Frankenmuth, MI 48734

Greetings and happy new year!! DXing has been limited to MM here and then mostly foreign DX. Totals now at 145 foreign logged, w/ 12 of my last 17 loggings foreign. Totals are 1082/362, 47/44, 8/8, 31/16. Only 2 Eurp. loggings have made it here over the years. Must be that the Great Lakes block the signals here. I have always run my 100' LW in a N-S line, maybe a E-W would bring different results. Does anyone have ideas how I could get better reception of Europe? Latest veries: WGUN, WTRQ, WLLL, WMMW, WKIX, WUFO, WCYB, HJFF, XERB (v/r), WIAC-740, YVNN. All v/l except WKIX, YVNN. WCYB says, "you are the last person to report reception of WCYB as the station has been sold and is now WZAP on 690kc." Non-verifiers of 1970 are: WBUY, WDEN, CHIN WCNW, WCMB, WBSC, KFIL, KOWH, WAMY WTAI, WCSV, WTXL, WPAT, WKDO, WDOC, KALO, KNLV, WORV, CJCS, WTBC, WMMN, WSLI, WINZ, XETRA, WEOY, WEDF, HJHN, HJAI, HJER, HILR, YVRQ, YVLH. If anyone has verified any of these this year I would appreciate a verie signer. 73s.

Brh says a report in hand is worth 2 in the mail. DeadL. is Sats.

Bruce E McFadden - 4735 Shimerville Rd. - Clarence, NY 14031

Hi gang. Recent veries include: v/q- WKY(11days), CBF(13 days), & WKIX(15 days) for ET; v/l- KDTH(7 days), & WPEO(7 days); v/f WCRV(7 days) & KFSA v/CM (41 days). Cx are picking up nicely. Totals are for the New Year: 482/121, 41/34, 6/4, 6/3. Anyone know if KFGO verifies? Summary of 1970: best heard- KAYL & best veried too. I heard 271 stations this last year, & on 1/1/70, one year ago, I had 211 heard, & 27 verified, states 24/16, provinces 3/1. I now have an HQ-129X. MD-you have one too, don't you? What do you think of it? DX in DXF is w/the HQ-129X, veries still reflect the sound-esign. So long & see you a little sooner. 73s & peace.

Gregory K Bodker * 26791 Ross Dr * Detroit, MI 48239

In my last report, I told you about myself, now I think I will let you know about what kind of receiver I have. It's an Explor-Air Mark V made by Lafayette. It's a great receiver to get started with but I wouldn't recommend it to anyone who already has a receiver and is looking at new ones. I am now in the process of building a Tenna Boost which is described in the July-August issue of Elementary Electronics. Recent veries are KSL-1160, WTMJ-620, and WSM-650. 73 (Gregory, how about a short performance rept. on your project in ECDXF when it is working-Brh)

Steve Taaffe - Box 156 - Dayton, IND 47941

Greetings everyone. I have switched from MWDXF to the ECDXF because I'M on EST and because of this should be reporting to the ECDXF. Now to DX. Recent veries: v/q- CKRM, CFRW, WBT, WCFL, KGHL (2nd Montana verified), WBZ, KCBS, WSWV, XERB, CKDM(very inspecific card), WWSW, KLRA. v/l- WACT, KJFJ, WRNG, WCRL, KTOE KSOO, WEED, KLLA, WAZY*DX, WGAU, KWYO. (Recent catches edited to keep rept. to 15.) The WAZY DX went as scheduled with a terrific amount of reports back. Farthest away was Bruce's and somebody up in Toronto. Looks like they really got out. Over XMAS vacation I got out over 50 reports and am expecting some good returns in the mail. BB tnx for the nice SC. EL and GM where are you. I heard my first pirate. It is WRFL on 1550 kHz, they played underground rock and the transmitter is somewhere near TM. We have been trying to track them down but no luck yet. They get out in greater Dayton pretty good so I think they must be running 1kW. Looks like I'm over my 15 lines so 73s and good DX. Totals: 40/36, 6/3.

Tom Hartloff - 49 Highview Ct. - Nyack, NY 10960

Yawn. DX really coming in here good, splits and all on the trans-sistor. Veries:KFAB-1110, WKIX-850. If you would like to serve on the New Member Welcoming Committee, please write me; we need help. I'm looking for VJ logs 1,3,4, and 5. If yours has a price write. Did anyone get a verie for WXGI test held last summer? Until next time, Aloha. 73zzzzzzz.

Bruce D Bennett - 82 Norman Lane - Levittown, NY 11756

Hi! 1971 is here and this report ends my DX of 1970. WSAY-1370 Rochester received u/WFEA on 12/26 at 1805, and WRNL-910 Richmond clear on 12/25 at 1700. WEOK received from Poughkeepsie on 12/28 & QSL received 1/4. Reports to WRNL, WKYC, WAWZ, WGN, WSUN, WADO, and WQXR. I had my alarm set for 0420 on 1/3 for the WKLX test. I had hrd them the night before and had my radio set. I woke up at 0500 because my radio was set to a stn that went off the air, so I didn't hear anything. What a thing to happen to a DX'er. Totals now are 252/98, 27/21, 4/4, 5/4. RK: Yes CMQ veries reports in EE. FMC: How long did KSL take to verify? Will be going up to Lindsay High School bedieved in the Toronto area near the end of Feb. Hope to hear from some DX'ers. News from by brother is that WNEU 560 N.eastern U. is no longer in existance, they moved to FM. 73s.

23 January 1971

MIDWEST DX ROUNDUP

Page 11

EDITOR: Richard C. Evans

DEADLINE: Thursdays thru 3/25!

Box 2146, Chicago Avenue Station, East Chicago, Indiana 46312

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550 WGR NY Buffalo, poor w/KFYR & KSD nulled at 2300. No QRM after semi-local KFYZ & KSD s/off 0100 12/27 (JAM)

560 KWTO MO Springfield, poor u/KLZ ending "The World Tomorrow" 2000 1/1 (BWL)

570 WMAM WI Marinette, poor w/MoR, NBC Monitor 1310 1/10 u/WIND slop. Flea-power sig daytime; v/q (GDD)

580 WCHS WV Charleston, 0500 1/5 fair w/SSB (RK)

590 KFXM CA San Bernardina, all alone w/rr, nx 0515 12/27 (BWL)

WMBS PA Uniontown, 0303-0340 1/11 on special, at first very poor u/Cuban, CKEY also noticed, strong after 0324 when unknown TT left air (rce)

600 WPDQ FL Jacksonville, 0534 1/4 fair w/ID (RK)

WLST MI Escanaba, poor in WOC null w/MoR 1315 1/10, Much stronger during SSS (GDD)

620 WSUN FL St. Petersburg, 0402 1/4 good w/NX (RK)

630 KDWB MN Minneapolis, 1700 1/8 w/rock strong signal (JCJ)

KXOK MO St. Louis, 0100 1/4 s/off two hours early (FH)

640 WOI IA Ames, 1-9 weak s/off 1800 (JCJ) 1020 1/5 fair w/mx (RK)

690 KGGF KS Coffeyville, noted running later than NRC Log says at 0130 1/1, a New Year's Special, maybe (BWL) (NRC Log now is one year old, Blake, and many of the sked's shown in it are no longer correct--rce)

KHEY TX El Paso, 2030 1/9 w/C&W mx, weak (JCJ)

710 KEEL LA Shreveport, 1800 1/9, fair u/WHB w/NX (rce)

KIRO WA Seattle, fair w/WHB nulled. mixing w/KBTR, Had a Marine report at 0145 12/26 (JAM) 1845 1/9 strong (unusual)

730 CKLG BC Vancouver, good most mornings after semi-local//(JCJ) CKDM s/off Has RR mx 0200 12/26 (JAM)

CHIR ONT Leamington, fair, mosting on top of CKLG, CKAC HI show never hrd anything that sounds like an ID 0200 12/26

740**WBAM**AL Montgomery, 0205 1/1 good ET & mx (JPM) (JAM)

Good testing 50kw txmtr 0130 -0345 1/1, Played mx request. Quite a few long distance calls. Some CBX QRM until CBX 0330 s/off. Sounded like RS (JAM)

KRMG OK Tulsa, 0352 1/5, fair w/WSB slop & Cuban QRM, w/mx(RK)

KTRH TX Houston, 1801 1/3 good w/ID (RK)

760 KFMB CA San Diego, best signal ever o/WJR & unid SS 1935 1/1 (BWL) (probably XEABC--rce)

780 WJAG NE Norfolk, fair, in most evenings around 1750 mixing with WBBM 12/28 (JAM)

KCRL NV Reno, in well, most nites w/cl & semi-cl mx before oattern change, o/WBBM (BWL)

790 WEAQ WI Eau Claire, w/MoR 1833 12/26, good signal o/pests KGHL and KCEE (BWL)

800 CKLW ONT Windsor, nice signal u/PJB (?) w/rr Drake format 0450 12/27 (BWL)

810 KCMO MO Kansas City 1815 1/9 strong (JCJ) A pest here on SSS clearing out what could be a good channel (rce)

WMTS TN Murfreesboro, 0730 1/5 poor w/SSB (RK)

850 CKDR ALTA Red Deer, fair w/KOA nulled, AN pgm sponsored by The Dragon Gardens Restaurant 0300 1/1 (JAM)

860**KOAM**KS Pittsburg, ET w/OC TT MX tune in/out 0144-0205 1/10, only ID hrd at 0203, very strong (rce)

890 WLS IL Chicago, 1/4 what do you know, no WLS this AM (FH)

900 KJSK NE Columbus, good most evenings after s/off of semi-local KFNW 1745, Some CKDR CHML QRM, Has a religious pgm before s/off 1800 12/25 (JAM)

910 CBO ONT Ottawa, 0112 12/28 good w/s-off (JAM)

EDITOR: Rick Evans

DEADLINES: Thursdays thru 3/25!

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910 WCOC MS Meridian, good w/CBS nx, local spots, CW mx, 2205 1/4. Slight QRM from KGLC & KAMD (GDD)

920 KARK AR Little Rock, 1800 1/1 poor w/ID (RK)
KXLY WA Spokane, good w/mx, The Revival Hour 0130 12/28 (JAM)

930 WTAD IL Quincy, 2309 1/4, fair w/ID (RK)
WEOL OH Elyria, 0547 1/2 good w/mx ((RK)
WKY OK Oklahoma City, 0320 1/1, good w/mx (JPM)
KROE WY Sheridan, C&W mx early morning CBS NX on hour (JCJ)

940 KIOA IA Des Moines, 0347 1/5 fair w/nx (RK) (BN)

950 KRKS CO Denver (X-KLIR) using these Calls since 11.1 per verie
WSPA SC Spartanburg, 2200 1/2 fair w/ID (RK)

960 KABL CA Oakland, w/telephone show o/u KOOL 0415-0430 1/4 (PSL)
KMA IA Shenandoah, poor u/KOOL 1916 1/1 (BWL)
WRFCGA Athens, 0230 1/3, on with TT (FH)

970 KQAA MN Austin, poor w/s/off 0107 1/4 (RK)
KAKCOK Tulsa, 0333 1/4 good w/ET (RK)

980 CKNW BC New Westminster, 2051-2108 1/8 weak, 1st time here (JCJ)
CFRM SASK Regina, 0339 1/4 fair w/sports (RK)
WAOP MI Otsego, good w/CW 1320 1/10, WCUB nulled. Friendly stn, v/l CM (GDD) (and I remember calling them in 1965 to have the guy do everything but hang up on me, hi-rce)

990 CBW MAN Winnipeg, AN on New Year's morning, Gave calls, freq and location of LPRT they relay over 0200 1/1 (JAM)

1030 KTWO WY Casper, weak into Sheridan all the time, most of evenings WBZ is as strong (JCJ)

1050 WSMT TN Sparta, 1730 12/31 s/off no SSB (FH)

1070 CBA NB Moncton, 0500 1/4, good, s/on (RK) good catch--rce

1080 WTIC CT Hartford, very weak w/KRLD nulled, Believed to be the one w/EST TC 0100 12/26 (JAM) (What kind of mx, Joe? WKLO-Ky. would also have EST TC--rce)

1090 KVDB IA Sioux Center 1730 1/9 weak u/QRN, a good catch (JCJ)

1130 CKWX BC Vancouver, noted for the second time after WDGY Nulled. NX at 0100 12/29 (JAM)

WDGY MN Minneapolis, 1715 1/9 strong w/rock (JCJ) on top of mess w/Drake format rr, jingles 1618 12/27 (BWL)

1150 CKX MAN Brandon, 0400 1/1, good w/nx & rr, little QRM from unid station (JPM)
CJRC ONT Ottawa, good over CKX & KSAL 2200 12/24 in FF. Do they verify? (JAM)
WJRD AL Tuscaloosa 1735 12/31 RR mx lost at 1745 (FH)
KXLR AR North Little Rock, C&W mx much QRM 1749 12/31 (FH)
WJBD LA Baton Rouge, 0130 1/1 New Years mx from NBC strong (FH)

1160 WJJD IL Chicago, 1720 1/9 o/KSL (unusual) (JCJ)

1180 WLDS IL Jacksonville, 0759 1/5 poor w/spot (RK)

1190 KHAD MO DeSoto, 1745 12/31 s/off w/SSB (BWL)
KLIF TX Dallas, 1830 1/9 (unusual) strong (JCJ)
???? ?? Unid, nice MoR signal u/KLIF, but occasionally o/KRDS lost at apparent power cut and/or pattern switch 1956 12/26 WOWO maybe? (Doesn't sound like WOWO to me, and way too late for a pattern change or power cut--rce)

1220 CJRL ONT Kenora, 2000 1/8 w/nx strong signal, usually CJOC dominates (JCJ)

1230 KWTC CA Barstow, nx ended 0405 1/4 NBC reports included, then C&W atop channel (PSL)
KDZA CO Pueblo, as of 1/4 will be NSP per promotional campaign Closest NSP used to be 120 miles away in Denver (BWL)
WJOB IN Hammond, 0431 1/2 fair w/nx (RK)

1240 KMBY CA Monterrey, 0400 1/4 s/off (PSL)

EDITOR: Rick Evans

DEADLINES: Thursdays thru 3/25!

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1250 CHSM MAN Steinbach, //-CFAM-950, has been AN on MM of 10/12, 12/14-21-28. Old SP on MM was 0115-0600 12/28. Never checked the other MM's (JAM)

1260 KGIL CA San Fernando, o/KYA s/off 0400 1/4 (PSL)
 KYA CA San Francisco, good clear signal 0114 12/28 w/sickening talk show (BWL)
 WEKZ WI Monroe, dominant w/MoR o/WJBL 1300 1/10, slight. WEMP QRM, v/l stickers recd (GDD)

1270 KTFI ID Twin Falls, 1950 1/8 w/nx "5:45 news report" (JCJ)
 KSCB KS Liberal, 1945 1/8 poor signal w/mx (JCJ)

1280 WONW OH Defiance, 0001 1/6 s/off w/Lord's Prayer (FH)

1300 WLOT WI Marinette, 0318 1/1, fair w/mx, new sked? NRC Log says DI (RK) ET perhaps, Bob. Seems to me I saw somewhere they were going fulltime. GN, you know anything about that?--rce

1310 KBUZ AZ Mesa, w/"Beautiful mx" a very annoying surprise as they used to s/off on MM, 1/4 (PSL)
 KDIA CA Oakland, w/Rock-soul, first time hrd here 0530 1/1 (PSL)
 KKGf MT Great Falls, 2015 1/8, w/wx for Great Falls, poor signal brief, very difficult here KFKA dominates (JCJ)
 WISE NC Asheville, 0411 1/3 fair w/spot (RK)
 WDOD TN Chattanooga, 0522 1/5 fair w/spot (RK)
 WIBA WI Madison, 1852 12/31 good w/STP spot (RK)

1320 WVOJ FL Jacksonville, 0115 1/1 C&W mx strong (FH) 0252 1/1 fair w/ID (RK)

1330 KFH KS Wichita, 2000-2030 1/8 w/World Tomorrow strong (JCJ)
 WLOL MN Minneapolis, 0205 1/1 fair w/wx (RK)
 WSBC SC Greenville, 0508 1/5 fair w/spot (RK)

1340 KIST CA Santa Barbara, in well w/R&R 0605 1/1 (PSL)
 WSOY IL Decatur, now AN-6, off MM, Nuts! (FH)

1350 KTOJ HI Lihue, s/off w/"Hawaii 5-0" & SSB 0600, announced as as 5000 watts of power, time given in HST (naturally--rce) very weak 1/1 (PSL)
 WKLX VA Portsmouth, 1/3 DX Nil-heard here (JCJ)
 KSCJ IA Sioux City, 0103 1/2 fair w/s-off (RK)
 WKMI MI Kalamazoo, 1835 12/31 fair w/ski report (RK)

1390 WNUS IL Chicago, 1/1 off the air. I tuned in at 0200 and they had OC, is this regular? (RK) NO!!!--rce
 WFBL NY Syracuse, 0227 1/1, fair w/ID (RK)

1400 KSLY CA San Luis Obispo, atop channel w/R&R 0500 1/1, "The Big Fourteen" (PSL)
 XEPB MEX Hermosillo, SS & RR way on top, sounded like a test and with much more than their listed 250 watts. 0415-0430 frequent ID's 1/2 (PSL) (FBIS shows 1kw--rce)

1410 CKVN BC Vancouver, very poor w/CKSL nulled. "CKVN continuing History of rock" 0240 12/26 (JAM)
 WAZY IN Lafayette, DX show hrd fairly well at times thru WING 12/21 (BN)
 WING OH Dayton, weak but clear 0420 12/28. This must be the one mentioning Dayton often (BWL)
 KWYO WY Sheridan, automated mx most of day. MoR, has cl mx 0000-0050 Mon-Fri before s/off (JCJ?? no initials)

1400 WOC IA Davenport, 1830 12/31 fair w/ID (RK)

1430 CKFH ONT Toronto, 0100 1/3 s/off w/O Canada (FH)
 **KH??*?? Hrd id on ET 0134 12/28, caught first 2 letters, maybe KHBM, Monticello, Arkansas? (BWL)

1440**WROK**IL Rockford, ET'ing 0332 w/TT 12/21 (BN)

1470 CFRW MAN Winnipeg, weak w/RR 0437 12/28 (BWL)
 KXOA CA Sacramento, w/RR oldies o/SS 1/1 (PSL)

EDITOR: Rick Evans

DEADLINES: Thursday thru 3/25!

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1470 KDHN TX Dimmitt, 1900 1/1, w/s-off, "My Country Tis of Thee"

1480 WRDW GA Augusta, 0200 1/3 soul mx strong (FH) ///(BWL)

WGSB IL Geneva, 0315 1/3 MoR mx, QRM WRDW (FH)

KLEO KS Wichita, 2100 1/5 R&R mx strong w/some fading (FH)

WSDS MI Ypsilanti, 0005 1/3 nx, quite weak (FH)

1510 KTTT NE Columbus, 1700 1/9 weak, first time in long time JCJ)

1520 KOMA OK Oklahoma City, Carl Mann morning shift and Sat. night
Carl has been at KOMA for over a year now (JCJ)

KYXI OR Oregon City, very weak w/ID 0430 12/28, one of my most
wanted stations (BWL)

KCHF SD Sioux Falls, 1630 1/8 w/spot for Sioux Falls, no ID
and I can't find where calls were issued, help? (JCJ)
(Calls are KCHF per NRC Log Corrector in 1/9 DX News)

1530 KECK NE Lincoln, on air w/special permission f/FCC 0146-0226
tuneout due to blizzard cx. Announcer said would be
AN but check at 0330 revealed no KECK. Took phone calls
had H.S. junior from Ind. on the air, who? WJRL not
hrd. KECK hrd 1/4, good sigs. (NB)

1550 KQXI CO Arvada, good to exc. w/C&W, gradually overtaken by
KRG0 1829-55 1/2, No CBE whatsoever (NB)

KEDD KS Dodge City, good w/rr, s/off w/no SSB 1833-45 1/1 (NB)

KNIC KS Winfield, in briefly 1824 1/1 (NB)

WLUX LA Baton Rouge, good w/soul 1825 1/1 (NB)

WSAO MS Senatobia, good w/Sunset Report Nx, SID's 1810 SSS 1/7
s/off 1815 QRM from dominant KOKA (GDD) exc. w/evening
devotional, s/off w/no SSB 1804-15 1/3 (NB)

1560 KQIX MO Joplin, good w/devotions, s/off 1814 SSS 1/16, "KQIX
Country" slogan and non-vocal SSB used. WDXR QRM (GDD)

KWCO OK Chickasha, on top briefly w/couple of id 2137 12/25 (JAM)

1570 CFOR ONT Orilla, noted w/Hockey Review, spots 1845 1/7 on SSS
no trace of CHLO but heavy XERF QRM (GDD) L&C 1820-
1840 on SSS 1/9 w/death notices, ski reports (rce)

WFRL IL Freeport, poor w/spots for 1st National Bank of Free-
port, nx at 0831 12/23 (JAM)

WFUR MI Grand Rapids, 0600 1/2 good w/s-on (RK)

KOLS OK Pryor, good w/s/off anmt 1829 1/6, sissy voiced anncr.
Non-vocal SSB used, no QRM (GDD) ending ABC/information
nx 1805 12/27 (BWL)

1580 CBJ QUE Chicoutimi 1815 12/31, good FF w/mx, then into EE
CBC nx (RK)

KLOU LA Lake Charles, 0505 1/1 w/QRM from WAMY r/c (RK)

WAMY MS Amory, 1734 12/31 fair w/spot (RK)

1590 WSWW WI Platteville, good w/s/off 0106 No SSB played some
kind of hymn 12/26 (JAM)

1600 CJRN ONT Niagara Falls, AN 12/28 0302--and later. Who else is
on MM's on this freq.? someone weak behind CJRN (BN)

KWOW CA Pomona, C&W in like a semi-local 0345 "Big 16" 1/4 (PSL)
hrd AN w/C&W 12-7-14-21, s/off 0300 12/28 (BN)

KLAkCO Lakewood off past 4 MM's 0200-0600, TT off and on,
though (BN)

KLGA IA Algona, 1645 1/8 o/KLAK (JCJ)

KCRG IA Cedar Rapids, s/on 0600 12/21 just before KLAk (BN)

KATZ MO St. Louis, strong 1800 1/6 w/soul mx, "Soul 16" ID's.
Dominant o/WEUP s/off at 1758 (GDD)

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This column will be following Grant Manning's lead of cutting items
over three weeks old when it hits my mailbox. While it will be relaxed
somewhat while the bulletin is not weekly, it will be enforced strictly
As I said back in November, I will accept postcard reports!

REGULAR CHECKS VIA IRCA LIST:

1st MON: KNOX-1310 ND (NB) (RK)	2nd MON: WPUV-1580 VA (rce)
KGHL- 790 MT (NB) (RK)	2nd SAT: KNLV-1060 NE (JAM) (BWL)
KBTA-1340 AR (NB)	WCCR-1580 IL (JAM)
WGHN-1370 MI (RK)	3rd SAT: KCNI-1280 NE (BWL)
1st TUE: KWRF- 860 AR (RK)	4th MON: WLDY-1340 WI (NB) (JAM)
1st FRI: WAMY-1580 MS (RK)	KSYL- 970 LA (BWL)
1st SAT: WDOC-1310 KY (RK)	WEVE-1340 MN (JAM)
WSHN-1550 MI (RK)	WXCL-1350 IL (JAM)
KOLY-1300 SD (JAM)	1st SUN: WDAN-1490 IL (NB)

30th of the Month: KGMO (BWL) (NB)

A TIP OF THE HAT THIS WEEK TO:

NB - NEIL BARTLETT, 717 Mark Drive, Verona, Wisconsin, 53593
 GDD - GARY D. DeBOCK, Ad,Com, NTC, Great Lakes, Illinois 60088
 rce - RICK EVANS, Box 2146, Chi. Ave. Stn., East Chicago, Ind. 46312
 FH - FRED HENDRICKS, 11 Ravina Park, Decatur, Illinois, 62526
 JCJ - JOHN C. JOHNSON, 625 Park Street, Sheridan, Wyoming 82801
 RK - ROBERT KRAMER, 3406 West Pierce, Chicago, Illinois 60651
 BWL - BLAKE LAWRENCE, Box 803, Canon City, Colorado 81212
 PSL - Paul S. Lotsof, Box 5151, Tucson, Arizona, 85703
 JAM - JOE A. MARKEWICZ, 1394 Elgin Avenue West, Winnipeg 3, Manitoba
 JPM - JAMES P. MOHLER, 531 Whiting Avenue, Iowa City, Iowa 52240
 BN - BILL NITTLER, 4950 South Julian, Englewood, Colorado 80110

Rick Evans - East Chicago, Indiana

Please note that I am following the lead of Grant Manning in cutting items over 3 weeks old when it hits my mailbox. Probably not too many know that besides working full-time and doing this column, I am also taking a stiff course in traffic management. Anyone who thinks LaSalle University puts out an easy course, try it sometime. 3.7 average well halfway through (4 point scale). GH, how many of us (myself included) submit 15 full lines of solid dx info. A call to WMBS during the special revealed the startling fact that they were being clobbered by the Cuban on the studio speaker! Announcer told me that the Cuban was running one million watts. He sounded rather grouchy during the id's, which might be understandable, hi. v/l KHOS v/f WWOL Totals now 1143/619. Thanks to GDD JZ RK for the kind remarks, hadn't really wanted the word to be spread about the Playboys, though. Was also nice to see Mike Pawlowski and Tom Jasinski whom I had met at the 1966 IRCA Milwaukee convention. Man, that sure seems a long time ago. Many memories, both happy and sad, over the barrel. Sinkful of dirty dishes calling, son Don the rest is yours to do with as you so desire.

NEW MEMBER PACKETS Those new members listed last issue and this issue have not been mailed NMPs. All others were mailed a long time ago. Judging by the return of D.I.M. forms, the delivery is about a month. Because of its weight, sending the NMP by other than 3rd class mail would be prohibitively expensive. When you receive your NMP, please date the DIM form and then return it as promptly as possible. Your publisher appreciates this very much as doing this doubles as a confirmation of receipt of the NMP and an opportunity to get to know YOU better. All members waiting for supplies, reprints, replies from me are asked to bear the burden of a long delay. My only promise is that I will spend every available waking hour trying to catch up on club bulletin work, NMPs and supplies, reprints, and misc. requests. -Don Erickson

EDITOR: Lynn D. Brooks - Box 253 - Ponca City, Okla. 74601 Ph. 405/762-6566

DEADLINE: Every thursday. Report often and support the bulletin of the IRCA.

GENE MARTIN - 3303 East Evans - Denver, Colorado 80210

Perhaps this DX season is up to the average, but it is surely an extremely poor one compared to the winter of 1969-70. This time a year ago, I had heard 13 TAs, some with superb volume. This season started out well in September and October, with three TAs making it here before Oct. 10th, but soon after that date, conditions disintegrated drastically, & if there was a good high latitude night in Nov-Dec, then I missed it. Instead, auroral conditions have been pronounced with no substantial let-up for at least eight weeks. I don't care what the geomagnetic indices may say; I know nothing unusual has been heard here. And how come, I would like to know, that the pedigree, certified experts on sky wave reception cannot agree on whether high sunspot activity impedes or improves long distance reception? In WRTH-1970, page 54, the VOA expert says lots of sunspots helps long distance reception. My Encyclopedia Britannica 1965, lays down the opposite proposition. Shouldn't they have the question straightened-out by this time?

BILL NITTLER - 4590 So. Julian Street - Englewood, Colorado 80110 (HQ-180)

A Happy New Year filled with DX to all of you! 1970 was the poorest year in my DXing history which dates back to 1950 with only 29 veries received at the Nittler den. Received a promotion in my job on November 10th & with it came about 15 hours per week work, at least for 2 or three months yet. So, DXing has been limited exclusively to MM's & mostly foreign. Only veries since first of Nov. are KUUU-1590, KDDD-800, & KRKS-990(x-KLIR) to total 2457 at years end. KREL, HCJB, & WAZY DXes all heard here with little trouble but no sign of others. I make my annual reminder to CPC members: a DX special should be arranged at a time when the frequency is clearest & when the most DXers can hear it. A station goes to a lot of trouble & expense to run these specials & should be given the benefit of the largest audience possible. There have been many DXes already this season which could have made it here had they been arranged at the proper times. What good does it do to have a DX special from S.C. or N.J. on before midnight CST when two or three hours later might provide a coast to coast audience? Keep the IRCA on top in '71! '73.

RICK KING - 215 Marjorie Street - St. James 12, Manitoba, Canada

Hi! Just new to the club so I guess I'm due for an intro. I am 16 and am a student in St. James Collegiate, Grade 11(mostly grade 10). Total veries here are 57/101. 18 are Canadian, 1 Mexican, & the rest U.S. Best catch here is KNX-Los Angeles, Cal. & KQRS in Rock Springs, Wyo. KQRS said I was the most distant reception to date. I just bought a portable rx the other day & is producing good results. KOB was in till 10:30 this morning. Well, I've got to go now, so '73's & peace be with you. IWELCOME to the IRCA, Rick, and we hope you will report often to MWDXF.LDB)

JOHN CARLSON - 2642 Solano Circle - Tucson, Arizona 85706

I am saddened to hear of the decision to remove fellow Arizonan George Tanner from his position as election chairman. I understand (from who? -LDB) that George has worked hard & done an excellent job. The resignation of Marc as editor was rather sudden, wasn't it? Paul Lotsof indicates that he will be leaving Tucson soon. I'll miss his frequent visits.

ANDY KWIATKOWSKI - 9624 Avenue M - Chicago, Illinois 60617

Greetings from the A.I.R., R.F. polluters paradise. (Cut, per EP, after already-typed. -LDB). A belated thanks to Richard Wood for his beautiful words. I hope the KGRT test makes it. If you hear it let Mr. Reymont know. Return postage would not be required. For the record, Mr. Reymont never suggested a DX program to me. I have no intention of playing the mis-quote game, or any other games, hi. DT's - 1054/326, 46/39/8/7. Best of the latest are, v/q CKBC WIOD KOGO CJVR CBA WVLN(9 mos) WPIC-DX v/1 WYLS KKGf KILO WSNY KGRT KLVI KKVZ v/f KLMS v/memo WOWL WEVA WABD v/cm WMID. I now have 321 pts in the domestic dx contest & 84 in call letters. Tom McCormack's listings are not only relevant, since they are pure DX, but also interesting. Keep em coming, Tom! "A happy man is he who can cross the street and chew gum at the same time" (Anon.) Peace.

To know the road ahead ask those coming back. (Chinese proverb)

DAVID ROGERS - Box 348 - Buffalo, Oklahoma 73834

Greetings DX fans. Have found a little time to twist the dials over the Christmas break although have been working some. I taped ID's on WNOX TGRT HJAI CKY & KNEX. Now, my question is: Can I count these as veries? Are they in a different category than QSLs & v/l's? (A good question, Dave. IRCA does not as yet authorize the counting of tapes as proof of reception. -LDB) Have added a direction finder to my loop, but can't see where I gain a lot except it does change the pattern of the loop. Right now I'm DXing with the IRCA loop I built some years ago. I ordered a loop from Joe Worcester & I'm itching to get it & try it out. His flyer says it's 400 times more sensitive than an air loop. I also ordered a timer f/Motorola to turn my rx & t/r on in the morning so I can get some of that early SRS DX without actually having to get up that early & interrupt my sleep, hi. If anyone is unlucky enough to hear me on KSIM, I work Sat. nights & Sun. mornings till 1:00 P.M. KSIW sked is s/on 0700 (0800 Sun), s/off 2315. One verie in: a v/l f/KSIW signed by myself, hi! Verie totals around 430 on AM now. 73 & Gud DX.

FRANK E. ADEN, JR. - 5805 Flamingo Drive - Boise, Idaho 83704

Hi. Nothing new here on BCB or even SW. The bands are jammed but I can't seem to get any good DX. No new veries either. Maybe things will shape up soon. KYME-740 has been announcing that as of the 1st, they will no longer exist, that all we know so far. KSPD has plans to go 24 hrs, just a rumor though. The Idaho DX Assoc. is a SW, BCB, & TV-FM club. We publish IDEX monthly on a hectograph, standard size paper. We are trying to get members mainly in the NW, the states of Wash., Ore., Mont., Utah, Wyo., 73 and good DX.

ROBERT KRAMER - 3406 W. Pierce - Chicago, Illinois 60651

Hi. That bit of info I put in the DXM last week about the VOA address was taken from the SWL address book. I can't understand why some of you OM had to wait a year or more for a CMQ verie, when it only took them 2½ mos. to get one here. Maybe you did not send it airmail. Anybody wanting WLS top sounds of 1970 or WCFL-SC send SASE. I finally got a SC from a station; all of my previous ones came from IRCA members. I heard WSKT on 1/6 w/f/c using DT. They are from Knoxville, Tenn. and operate on 1580 khz. This check was not on the r/c list. Latest veries: v/q KELO WOOD WBAL WROK WTAQ WMEX CFAC(now 50kw) CMQ WSAI KMPL WOKY CHIR WQXR v/f WMBD-cm WXCL WTRU-SC v/l KULY WGSB WHUN-cm v/? WABD sent verie on a memo pad from Mrs. Schittou that read verification okay. For the 2nd time WYLO sent a CM but no verie. 73.

FRED HENDRICKS - 11 Ravina Park - Decatur, Illinois 62526

Totals now 332/180 33/30. Latest verifications: v/l CKSB-1050, KSIW-1050 WCVS-1450 CJRN-1600 WIGM-1490 WAAX-570 WIZZ-1220 WTAR-790 KLVI-560 WAKO-910 WRBL-1420 v/q WTAO-930 WIBW-580 WOW-590 WIP-610 KFI-640 KMA-960 WTAX-1240 WVLN-740 KLZ-560 KIMN-950 WIBA-1310 KNBR-680 WTIC-1080 WOKY-920 KGIC-910 WAKY-790 WMIX-940 KVOO-1170 WAPI-1070 WKIX-850 KOA-850 ppc WEW-770 WCCR-1580 WDAN-1490 WILY-1210 KWRE-730 WPMB-1500. 189 domestic contest points. As far as tape verification, I'm negative. If I want to sit around & listen to tapes, I'll take "canned heat", etc.

PERCY R. KESTEVEN - 13112 - 134th Street - Edmonton 44, Alberta, Canada

I've been most delighted with response to my articles on the Drake SPR-4 & the Worcester loop. Quite a few members have written regarding both, & Bob Foxworth has written a further article on the loop, probably already published by the time you read this. It is on his article that I comment. I live in a city with 7 locals (2x50kw, 4x10kw, & 1x5kw). You can see the tower of one of the 50kw ones(CFRN-1260) from my housetop. However, I DID NOT find the Space Magnet demonstrating any cross-modulation except for one frequency. While it is true a slightly noticeable amount of noise seems to be injected from the amplifier, I have not found that same noise to mask any weak signal. (Maybe my bipolar transistors are just unusually quiet, hi.) At any rate, maybe Bob's redesigned amplifier, replete with FET's, will eliminate all noise. I confess to not using an antenna tuner with my LW when making S-meter comparisons. This was not meant to be misleading, it was simply that I didn't have one. My observations on loop are personal w/o test equip. & w/o benefit of FET Altaz for comparison. I do know the loop outperformed my DCL & was basing most comments on that fact. I find free & open discussion on such matters as equip. to be of more benefit to the hobby than certain other "controversies" which have been raging lately. I hope that as more DXers try various loops available they will comment on them in DXF.

H W "Hank" Ward - 753 Kingston Rd - Lexington, Kentucky 40505

sent 1/14, rec'd 1/16 I have been unable to DX since moving to Kentucky because of the transmitting tendencies of the furnace blower. This has apparently been eliminated by advancing RPMs to 2,000 and doing away with 2-stage 1,700-1,100 RPM stages of the motor. Prior to that we had tried filters, shielding and grounds in assorted combinations ... all to no avail. With this motor changeover there has been no further "roar" from it when operative. So, first DX was SSS 1/12 of WGSA Ephrata, Pa. which was taped. With the move to KY I have discontinued writing for QSL's except for TV and will "tape verie" all future BCB and FM DX/reception. Have enjoyed bull sessions with Ron Hayes and Fred Prechtl. 13,410 Roller Derby fans jammed Cincinnati Gardens 1/8 ... what a traffic jam; but, what a game! Lexington is a TV DX'ers Heaven. All four locals are UHF leaving channels 2/13 wide open. Like WOW! Shades of Ponca City. 73s y bueno suerte, Helio.

David Singer - 5501 Old Richmond Ave - Richmond, VA 23226

Hi. I finally made it over 600, w/#600 being WMMN-920. MD, sorry to see you have to resign; I hope Bruce and Dave do as good a job. Veries in since Xmas: v/l WJHO WEEB WHUN v/q KFI (when did they switch to a v/q?) KOA WTAQ v/f WAOK. Now have 208 pts in Dom Sing; 49 in Dom Call Ltrs. I'll be off MM 1/25 while the teachers at school are grading exams (I always knew there was something good I could say about exams), so with a little luck, I might get some good DX that day. I hope to see everyone here in August for the 1971 IRCA Convention; CUN 7 here; 73.

S P E C I A L N O T I C E

Tom McCormack and Steve Taaffe have notified me that they will be having a DX gettogether February 6 and 7 anytime during those two days. They will provide free refreshments and will possibly sched. local station tours. Please notify TM by letter or phone if you plan to go.

Bruce R Heimburger * 817 Rawlins St - Port Huron, MI 48060

Since I forgot to put all the particulars at the top of pg. 1, I guess I had better fill you in on them now. The official deadline here is FRIDAY, but if your report gets here Sat. and I don't have too much to type yet, it will get published. When reporting veries, please group them according to the type of verie that it was; for instance all v/q's grouped together, v/l's together, v/q's together and so on. It takes much less space to print just one v/r, v/l, v/q, etc. than to type one of these after station. A word of tnx to all of you who have sent SC's, CM'S, sched.'s, etc. They are appreciated. Again, do not send a list of stations that you sent veries to but haven't received a reply to. They are just a waste of space. Greetings to all of the immigrants from other areas of the country who have reported these past couple of issues. Keep it up. You people should have seen my mailbox all this week. The mailman probably has been using his 'deep heating' rub since Monday. If this keeps up I think we'll have to move the deadline up to Tuesday, hi. Per Dave Singer's idea, we will be printing regularly the length of time it takes for your reports to get to P.H. This will be done in the format of date sent, date rec'd. I hope the BoD doesn't dismiss me but; GHB, where are you! 73s. Your on DEE.

DEE: Let me echo the words of everyone else. Marc deserves a lot of thanks for the very fine job done over a period of more than two years. John Carlson: Yes, Marc's resignation was sudden. Problems and emergencies would not exist if we could foresee the future and schedule everything. My thanks to Bruce and Dave for so capably stepping in with so little notice and handling the job so efficiently. Bob Foxworth's review (PRK's DXF, other side) will be run as soon as a couple of points are clarified. This issue goes out 7 AM Sat. BLAH!!!

January 23, 1971

WEST COAST DX ROUNDUP

Page 19

Editor: Grant Manning, 4034 Ingraham St. San Diego, Calif. 92109

Deadline: Friday for next Sat pub. Not over three weeks old,
and in freq order. Bossline: 274-4233 Temperature: 78...Sunny!

=====

540 KVIP CA Redding 1-5 1030-1100 s/on, mailbag, free bumper stickers, donations help pay rent (they do here too) address given in Redding. (RS) 1-6 on SSS s/off no SSB. (WHH)

580 KDAV TX Lubbock on top for an ID and half a CW song, 0710 MM 1-11. (WHH)

610 CJAT BC Trail 0312 w/lots of QRM f/KGW 1-10. (BB)
KVNU UT Logan o/KONA on SSS w/nx & local spots 1905, 1-11. (CA)

630 KWRO OR Coquille on SSS 1-6 2002 s/off. NRC log is wrong, KWRO is in OR, not PA! (WHH)

730 KBOY OR in every day at SS w/RR. (WHH)

740 KTRH TX Houston fair MM 11-1 0702 w/nx. (WHH)

750 KXL OR on SSS 1-7 1922, great sigs! (WHH)

790 KJRB WA Spokane good SSS 1-8 1924-1932 w/RR. Drake type SID's. (SK)

920 KVEC CA San Luis Obispo barely on top w/KVEC Information Sx. 1-11 2148. (WHH)

970 WAVE KY Louisville, poor after KPUA 0505 s/off 1-4. (KLS)
KPUA HI Hilo weak w/mx 0455-0458 s/off u/KREM 1-10. (SK)
KREM WA Spokane strong w/mx 0458-0500 s/off. (SK)
KCEE AZ Tucson good w/KWIL looped 1-11 0440-0451 w/MOR. (SK)

990 KRKS CO Denver hrd concluding ET w/MOR 0329 1-4. (KLS)

1050 KORE OR Springfield mixing w/CFGP until 1930 s/off w/CW mx 1-9. (CA)

1130 KRDU CA Dinuba w/relig pgm in KSDO null 1-11, 2100. (WHH)

1140 KLUC NV Las Vegas on SSS 1940 1-8 s/off, 1946. No SSB. (WHH)

1230 KMOR UT Murray 1-11 0336 w/wx for area, ID'd "Kay More" (DGC)

1240 KMBY CA Monterrey 1-11 0840 w/nx, ID. (RS)
KROY CA Sacramento 1-11 0850 ID mixing w/KMBY. (RS)
KPLY CA Crescent City w/ID and RR 2325 1-7. (BB)
CJAV BC Port Alberni w/ID only 2300, 1-7. (BB)

1270 KBAM WA Longview in briefly on SSS w/sx and Shoppers Guide 1845, 1-8. (CA)

1280 KIT WA Yakima doing well in KFOX null o/u KTLK & friends nx @ 2230, 1-11. (WHH)

1310 KDIA CA Oakland alone w/local spot 2204 1-11. (WHH)
KBUZ AZ Mesa very good MM 1-11 @ 0734 w/wx (WHH)

1330 CKKR SK Rosetown s/on w/GSQ 0730, 1-11. (BB)
KOVE WY Lander at s/on w/SSB on 1-11, 0753. (BB)
KPOK OR Portland s/on 0800, w/no SSB, 1-11. (BB)
KCFA WA Spokane good on SSS w/nx 1901 1-9, QRM f/KCLM (CA)

1340 KBBB OR North Bend w/ID & CW 2240, 1-11. (BB)

1350 KKAM CO Pueblo fantastic sigs MM 1-11 0730 w/nx (WHH)

1370 KPOR WA Quincy had to be the stn ETing 1-11 0415-0430, tune out, w/many spots for Major Motors in Euphrata OC's, and a few long counts. (SK)

1380 KSRV OR Ontairo o/KRKO (!) on SSS w/drug abuse PSA 1925, 1-9. (CA)

1390 KBBO WA Yakima dominant w/end of relig pgm & into Mutual nx 1900 1-10. (CA)

1400 KUKI CA Ukiah 1-7 0900 s/on. (RS)
KPAT CA Berkeley 1-11 0400, may be going to 0400 MM's. (DGC)

1400 KARR MT Great Falls s/on 0800 1-10 w/SSB. (BB)
 CKSW SK Swift Current s/on 0801 w/GSQ 1-10. (BB)
 1440 KDOT AZ Scottsdale on SSS 1-10 w/lite mx 1935-1944 s/off, (SK)
 KPUR TX Amarillo o/u the mess 0314 1-9. (WHH)
 1450 KFLW OR Klanath Falls s/off 0246 w/SSB 1-9. (BB)
 KBPS OR Portland had ET w/1000cps tone 0240; 1-9. This stn
 had been testing abt every week, and it always has
 a test before local midnight. (BB)
 1470 KUDI MT Great Falls had an ET 0005, 1-10. (BB)
 CFRW MA Winnipeg on RS RR NSP as of 12-28. (LAK)
 thats all folks...

Thanks to:

CA Chuck Albertson, 103 Cedar Crest Ln. Bellevue WA 98004
 BB Bill Block, 1036 N.E. 80th Portland OR 97213
 DGC Dave Christensen 3434 39th West, Seattle, WA 98199
 WHH Bill Hein, 5539 Pattilar Ave, Woodland Hills, CA 91364
 SK Steve Kamp, 6149 Monteverde Dr. San Jose, CA 95120
 LAK Larry A. Killick, 6111 Adera St, Vancouver 13, BC CANADA
 RS Ralph Sanserino, 8422 Crane Cl. Huntington Beach, CA 92646

Well! shock of the century, a report from Vancouver...does this ex-Canuck's heart good! I think my trip north will be postponed for awhile anyway, although I want to go, my vehicle has another one of its (many) better ideas...response to the ARB article has been nothing better than great, want more of them?? I asked for awhile back, what kind of receiver everyone used when you send in reports...I made a list, and (of course) lost it...again please! Quote of the week here: "The fact that others don't write you shows the same apathy as shown toward the Board of Directors. Nobody will bother to write if they have a problem." thought I'd throw it in...as soon as the rest of you get your list of regulars in here, the sooner I can put out the deal to all, and then we'll get some DX!! Got up MM 1-17 &

January 23, 1971 - W E S T C O A S T D X F O R U M

Gary Elston - 310 Crestview Dr. - Santa Clara, CA 95050

Greetings DXers. I have been a member for some three months but this is my first report. For intros I'm 16 yrs old and have been DXing for some two yrs. now. My totals are very meager though as I have only DXed the BCB for some three mths. I am a member of five radio clubs with IRCA the most recent addition. It seems that since joining IRCA that now I am listening to the BCB more than SWBC. Well so long for now. Totals 265/36, states 29/20, prov. 5/3, co. 9/4. (Welcome to the Forum, Gary!-BJ)

Steve Oster - 16080 Greenridge Terrace - Los Gatos, CA

(ZIP is 95030-BJ.) Just got a new rx, a Hammarlund HQ-140X. It works fine except that it does not have a slot filter system. However, I am building a slot frequency control and a slot depth control which, because of the large amount of space in the rx and easy access, will probably be mounted inside the cabinet. Something else that's good about the 140X is the thick, rugged cabinet. As I said before, I think that CBXQ is still operating at 40 watts. Possibly Kamp's QSL could have a mistake on it. However, it's legit. My QSL is also more recent than SK's. Verifications include v/1 CJNB, v/q KWSU & KOL. Nothing yet from CHUM and KGB. Does KGW, KPDQ, KBET, KBUB, KOBY, & KMED verify? Down with NSP. 73s and great DX to all.

David P. Stroup - 6344 E. Lake Dr. - San Diego, CA 92169

DX was good during Christmas Vacation, as by my rpts to WCDXR + DXWW. DEE take note and rejoice! How about reciprocating? Norelco cassette was welcome addition for shack. The IRCamp PC board design is finished, and anyone wishing a copy, pse send a SASE or postcard. Hullo to Albert Lobel. You might be in the IPOSD, hi...and now there are five...SD71. 73's DPS.

Editor: Bob Jacoby, 556 E. Alvarado St., Pomona, CA 91767

Pete Warren - 1115 13th St. NE - Salem, OR 97301

Hi everybody. DX not too good lately here. I would like to thank everybody that wrote me on the TV DX stuff. I would like also to thank Kevin Slater for a nice visit. He made four trips, hmmm. I must say he has a very impressive "shack", almost too impressive. So I changed mine, sic??? My rx is finally working decently. Stupid thing had very little audio power. Experimenting around, I grounded the grid (on the RF tube). Never worked better. For Christmas I got the Realistic TRF. Everything that everybody says about it is true. I like its nulling ability the best. I've also found that moving your hand across the top, tilting it, also helps. Latest veries v/q KMOX-1120, KMVI-550. Jim Adams, I was for the Cowboys all the time, but I didn't ever tell anybody. All SCers pse write. Must go, 23 skidoo or 70neee.

Steve Kamp - 6149 Monteverde - San Jose, CA 95120

Jim Adams: controversy, 'bickering', debate, large differences of opinion are normal in any democracy. Also bickering is permitted acc. to the EP, as long as it pertains to DX, IRCA or its policies. And printing policies fall under the rule stating that DXF rpts can pertain to DX, IRCA or its policies. Also to J. Adams: DALLAS 17, forty-niners 10. hi. Veries: v/r KPRL-1230 Paso Robles, v/f WAOK-1380 Atlanta, KXIV-1400 Phoenix. v/CM KPQ-560 Wenatchee. V/1 KREL-1370 DX, KOIN-970, KASA-1540 Phoenix; KBET-1340 Reno, WGEM-1440 Quincy, Ill. Also v/1 from WESH-TV Channel 2 Orlando, FL; for TV rx in Texas. New stns here: KMED-1440, XEVIP-1560, WDXR-1560, KSWO-1380, KAFF-930, WCBS (hi), KTNM-1400, KBET-1340, KPRL-1230, KUAT-1550, KSPD-790, KTSM-1380, KMUL on 1380. Relogs on OBZ4N-880, KOMA, and KBLF. Tks for Christmas card, Brian Williams. 73s. Have Fun in '71.

Randy Cook - 6433 Don Julio - Long Beach, CA 90815

Greetings from freezing S. Cal. DX picking up. Got v/q and v/1 from CHAB. V/q from CHML and KLZ. KLZ lists Troubled Waters LP as #2. Woodstock is #1, which is my rating too. They should play the Fish call more on AM radio, hi! Just got Best of Jefferson Airplane, which is the second best LP I ever heard. Started foreign DX. Heard PJB. Are they running two MegWatts now? Also HJDK-750, TGJ-880 (who hasn't!), HJBI-840, HJCE-890, OBZ4N-880 Peru. Latest hrd include KLOU-1580, WCLS-1580, and others. BCB becoming a drag, except on MM. Too many regulars, and Mexicans don't loop! DXing on 60 Meters is a kick, with cx good. Joe Phaturus: sent long letter, but to Philly! Sorry about that! Anybody wanting tape of Wolfman Jack, sent cassette and rp. Remember the last words of the ERBA, 'I'll drink to that'. Later

Jay Murley - 1733 Candlestick - Newport Beach, CA

Noting Padre Jack's analysis of Richard Wood's suggestions for 20 countries on both the west and east coasts, I can't help but feel that lists have to be more regionalized for easy application by a DXer. Having messed around with my increasingly ancient rig in San Francisco, Phoenix, and Orange County for the last few years, I've been exposed to different sets of splat-tering all-nighters. I must admit that Senegal has always eluded me (in spite of Don Kenney's expert assistance), and that North Korea, Nicaragua, and the British Virgin Islands are a good deal easier, as Jack mentions. But unlike Jack, I'd run El Salvador and Costa Rica onto the easy list long before I'd consider Bahamas! On a personal note, the contractors are re-building the inside of our house this winter and adding a room. Afraid I won't be able to host a Feb. 22 get-together for southlanders and visiting firemen! One last thought: I'm amazed that with all the pirate stns around the country, and all the political activists who would love to get their hands on one, that we haven't seen at least one sophisticated political-ly oriented pirate, complete with carrier-current satellite transmitters to throw FCC direction finding! Or have there been some?

Paul Welka - 15340 Union Ave. - San Jose, CA 95124

I've seen an awful large amount of censorship lately so I'll keep this report short. Very 73's and good DX.

Hi all! Just returned from a very enjoyable trip to So Cal (Laguna Beach to be exact, but unfortunately, I missed their Christmas rock festival by one day!). Altho I didn't DX very much, I enjoyed hearing some different types of formats (like KHJ, maybe, hi). Also enjoyed talking to many of the people I wanted to talk to, but I didn't have the bread to talk to all of the guys I wanted to. With that thought, I want to second GDD's statement in the 1/9/71 MWDXF, but only to a point. I think that you should vote for the most capable constituent. As for his statement on censorship, I think that editors need some form of control (perhaps not as broad as now) over what goes into the DXM. Only one verie in since I got back; KRNR-1490, v/1, v/s--James E. Brown, a very friendly fellow (says that most recent freq check revealed 2Hz deviation in signal, so they were on 1489,998, just what I wanted to know, hi.) 73 & next contest standings standing stencil to be typed soon.

Steve Kamp - 6149 Monteverde - San Jose, CA 95120

Veries: v/1 KSUN-730 Ogden, UT and KPUR-1440 Amarillo, TX. V/q KIKI-830, KONO-860, KRAK-1140, and WCBS-880. KSVN's v/s, Thornbush Ripple, is the only one at KSVN who will send veries out. Address rpts or f/ups to him. New stns here: KSPO-790, KTSM-1380, KMUL-1380, KJRB-790, KREM-970, KPUA-970, KDOT-1440, OAX4H-854, KPOR-1370, KCEE-970, and KUMN-1210. Relogs on OBZ4N-880, KBLF-1490, and KOMA-1520. Also have hrd on UNID on 1380--see DXR for details. Any help on this one would be appreciated. Dave Alpert: IRCA needs a standby publisher for the reasons you mention as well as PSL's reason. If a good and reliable standby publisher or publishers were appointed, IRCA would not be subject to DEE's slightest whim. An Executiver Editor for IRCA to "watch over all" (which could mean the censoring of any and all dissent, 'bickering', and hassling', all of which are normal in any democracy. If these were cut out, we would not have a democratic club) is not heeded. To DEE: re "... as NASWA says Unity and Friendship" in 10/21 DXM under "Editing": if 'Unity' means censoring of all dissent and things you do not agree with, then to H with NASWA's motto. 73's, HAVE FUN IN '71.

Mike McCullough - 5240 Rhonda Dr., San Jose, CA 95129

Hi! Looks like I'm do for an intro, I'm 14 and I go to Prospect High. My rx's are a Sony TFM 1600W (my main rx) and a Hallicrafters S-19 w/a 60 ft. lw. I began DXing in 6/69 and joined the club in 8/70. In reference to all the caches on 12/21 SK and I DXed at his house for the night. I collect SC's and bumper-window stickers, if you might have some extras that you don't want let me know. I think that if you want to get better returns on your veries it would be a good idea to send return postage. (Welcome, Mike!-BJ)

Bill Lipis - PO Box 325 - El Cajon, CA 92022

George Tanner has done a fantastic job as Chairman of the Election Committee, and the decision to purge him is most regrettable. For the past two years George had devoted a great many hours in service to our club in this important position. As is the case with many positions in IRCA, it is necessary for the Election Chairman to invest much hard work, and he gets very little thanks. Removing George would be the ultimate in ingratitude. I am sure that our Board would not degrade George in this manner, and will allow him to continue his good work. (I echo your comments 100%, Bill-BJ.)

Paul Welka - 15340 Union Ave. - San Jose, CA 95124

I'm new in the club so here's the intro. I'm 16, a Junior in high school. The rx's here are an HQ-145C and a Realistic TRF portable. I have two recorders: a Westinghouse portable 3¾ ips, 3" reels only, and a Concord tape recorder 7½ ips (approximately), up to 7" reels. Tapesponders welcome. Right now I'm studying for a novice license. Anyone know where I could get a cheap transmitter? A lot of schoolwork has been taking up most of my time so nothing for DXR yet. 73's, DX and I hope I haven't polluted the blue pages too much. (49ers #1 next year).

All Address Changes Should Be Sent to Mike Northam

The Space Magnet -- How good is it?

Recently two articles have appeared in the BCB club bulletins reviewing a ferrite core loop antenna known as the Space Magnet. One by Percy Kesteven (DX Monitor, Dec. 19th, 1970) was highly complimentary. The other by Gordon Nelson (DX News, Dec. 19, 1970, page 11) was much less so. What's the real story?

I've had the opportunity to test a Space Magnet which was kindly lent to me by Dick Nelson. Testing has included comparison with a 30 inch balanced loop using a push-pull FET pre-amp, as well as with a homebrew 14" long ferrite loop. All of the tests run by Gordon Nelson were either run independently or re-run, albeit with rather limited test equipment.

Those who bore easily should now skip directly to the section entitled CONCLUSIONS.

WHAT IS THE SPACE MAGNET?

The Space Magnet is a 12 inch ferrite core loop antenna. It comes in a 3" x 3" x 12" aluminum shield which is mounted on a wooden base. It has a vernier tuning dial and includes a bipolar transistor amplifier powered by an easily accessible (and inexpensive) 9 volt transistor radio battery. It sells for \$29.95. A deluxe version wound with litz wire and including a local/distant switch is available for \$34.95. The version tested was a hybrid -- it was wound with litz, but did not include the local/distant switch. The source of these antennas is Worcester Electronics Laboratory, R. D. 1, Frankfort, New York 13340. (Publisher's note: J. A. 'Joe' Worcester, owner of W. E. L., is a member of both BCB DX clubs).

DOES IT WORK?

Yes? About the second thing I heard when I turned it on the evening of Nov. 4th was a TA carrier on 1034. Despite the dismal conditions this season, a considerable number of foreign stations have been noted. The one extended DX session I've tried with it produced loggings from 14 countries prior to midnight PST. As far as the capability to pull in remote stations at night and to loop out interference, the performance seemed very close to that of the air loop.

DOES IT HAVE ADVANTAGES OVER AN AIR LOOP?

Yes. It is portable. It is attractive. It is already assembled. If you travel a lot, or are in the military, or are married (women and loops do not seem to be very compatible), this may be the answer to your problems. This antenna will (or can be modified simply) fit into a suitcase. Furthermore, even though the wife, girl friend or platoon sargent may not like it, they will like it about six orders of magnitude more than they like an air core loop.

The fact that the loop is already assembled should appeal to those lacking in either the ability or desire to build things as well as to those lacking the tools. The cost is comparable to the cost of an air core loop of comparable performance, with the construction labor figured at about 10¢ an hour. For an air loop of superior performance, such as the NRC alt-azimuth loop, figure \$15-\$25 for the parts and about 50-100 hours construction and debugging time.

DOES THE SPACE MAGNET HAVE DEFECTS?

Yes. Quite a number, in fact. Most of them appear to be fairly minor under most conditions. Part I of Nelson's article discussed some of them. Presumably Part II (whenever it appears) will bring up some more. (Note: Part II appeared in DX NEWS, Jan. 23, 1971). In discussing these faults, it must be remembered that

The Space Magnet -- How good is it?

Page 2

Nelson is discussing deficiencies of the Space Magnet with regard to the theoretical "ideal" loop antenna. The NRC alt-azimuth loop would appear to approach this "ideal" loop very closely. The Space Magnet is not as close an approach to the "ideal" loop, but then neither are the miscellany of DCL, box, spiral, etc. loops in general use.

Nelson noted a number of defects. I'll discuss these in the order he brought them up:

1. The aluminum case is RF hot and causes a change in loop tuning when one touches it or brings one's hand near it. The concept certainly makes sense, but no such effect could be observed here with either the HQ-160 or Heath GR-78 as long as the Space Magnet ground lead was connected to receiver ground. The most likely explanation is that the unit Nelson tested had faulty or broken internal ground connection.

2. Sensitivity is inadequate. Tests here simply do not bear that out. Using a Heath GR-78 with a 2.1 kc mechanical filter, it is possible to listen to barely audible external mixing products fade up to readability as atmospheric noise levels drop at dawn. This would not be possible if transistor noise levels were comparable to nighttime atmospheric noise levels. Possibly, the unit tested by Nelson may have had a noisier transistor, or perhaps the difference between solid and litz wire is sufficient to make this difference.

It should also be emphasized that the fact that the Space Magnet has a satisfactory signal to noise ratio for nighttime DXing from California in midwinter does not indicate that it would be enough for such applications as DXing winter daytime groundwave signals from a quiet location in the Midwest.

3. The Space Magnet Q is high enough to cause audio distortion. My rather primitive Q measurements agree with Nelson's. However, I personally do not find audio distortion to be objectionable. Some DXers may. The distortion can be minimized by tuning the Space Magnet 1 kc or so above or below the signal being tuned. Perhaps if enough DXers complain, Mr. Worcester might incorporate a Q-control on future models.

Those with inexpensive receivers may appreciate the extra selectivity available from the Space Magnet because of the high Q.

4. Nulls from the Space Magnet are skewed and of unequal depth. This test was repeated on several local stations. Some skewing and blunting of nulls was observed. It was evident that much of this was due to signal pickup on the feedline from the antenna to the receiver. Skews of 5° on KHJ and KFI were cut to 1° when the test set-up was cleaned up to minimize lead lengths. It is important that the lead connecting the Space Magnet to the receiver be as short as possible.

Although the Space Magnet was not designed to be tilted, it can (just barely) be done. This was done with KFI to get a null depth measurement. Unfortunately, I have little faith in my test equipment when it comes to measuring attenuations of over 20 db. The comparison of results would have been simplified if Nelson had published null depth figures for an untilted NRC loop.

(continued on next page)

The Space Magnet - How good is it?

Page 3

STATION	NULL DEPTHS	SKEW	TILTED NULL DEPTH
KLAC-570	12 db 13 db	1°	---
KFI-640	18 db 17 db	1°	40-50 db
KHJ-930	24 db 24 db	1°	---
KFAC-1330	12 db 13 db	less than 1°	---
KDAY-1580	13 db 13 db	unknown	---

The skewing on KDAY would have required many more measurements as the null was shifting rapidly over about 10°.

In English, all this section says is that the Space Magnet is not as good an approximation to the "ideal" loop as is the NRC loop. It also indicates that the Space Magnet has pretty deep nulls when tilted.

The Space Magnet would be more useful if it included a provision for tilting the antenna.

5. Another defect is the fact that the bipolar transistors used in the amplifier will crossmodulate on strong signals. This when the loop is tuned through a strong signal, the station's signal will turn up superimposed on whatever signal the receiver is tuned to. The Q of the Space Magnet is high enough so that is not a real problem at my Santa Monica location, but it could be a problem for those who live close to a transmitter. Close to a transmitter, the signal may get strong enough to impress itself on adjacent channels. Thus at some distance from KNX-1070 (for example), KNX will become so strong that it cross modulates onto 1060 and 1080 even though the antenna is tuned to 1060 or 1080. Even closer, 1050 and 1090 (what loss?) will also be taken out, etc. The deluxe version of the Space Magnet handles this by a local/distant switch which sacrifices some amplifier gain to get better cross-modulation performance. If you've had past problems with strong signal overload of your equipment at your location, I'd recommend the purchase of the deluxe version.

A second problem with the cross-modulation is that the DXer must be aware of it. It is fairly easy to imagine even an experienced DXer tuning to 720 on a Sunday evening, and inadvertently tuning the loop to semi-local (and very loud) XETRA-690. The result - a logging of a mystery Mexican on 720 with La Hora Nacional.

6. Another problem is not so much a defect as a peculiarity. Signal levels from such nuisances as external mixing products and TV local oscillator signals tend to vary widely in a relatively small area. The Space Magnet is small enough so that its performance may vary when moved a small distance. I discovered this the hard way, by placing the antenna on a workbench which had a power line running along its bottom side. The result was almost intolerable TV oscillator harmonics every 15 kc. Moving the antenna three feet cut the buzz level by 20 db.

CONCLUSIONS

The Space Magnet is a compact, attractive antenna suitable for serious DXing under winter nighttime conditions. It will certainly outperform long-wire antennas (with the exception of the Beverage) and loops without pre-amps. It can probably be expected to perform on a par with many loops utilizing pre-amps. It can not be expected to outperform large balanced loops utilizing FET pre-amps.

The Space Magnet - How good is it?

CONCLUSIONS (continued)

It should have a strong appeal to those with limited mechanical ability or inclination, and to those who are looking for a compact loop for use when traveling. Those who have had difficulty with strong signals from locals overloading their equipment, or those who are interested in very weak signal reception should consider paying an extra \$5 for the deluxe version of the antenna.

RECOMMENDATIONS TO SPACE MAGNET OWNERS

1. Keep the lead from the antenna to the receiver short.
2. Move it around some while trying it out. It may perform better in some parts of the room than in others.
3. Check the battery from time to time.
4. Make sure that the antenna ground wire (the outside of the shield) is connected to the receiver ground terminal.
5. Make sure that the antenna and the receiver are tuned to the same frequency.

--Don Kenney

P. O. Box 1668

Santa Monica, Calif. 90406

Publisher's Notes:

1. Plans for the construction of this loop are available free of charge to all DXers, in and out of the club. In addition, the theory article which preceded the construction plans will be available for a limited time (when depleted, the article may or may not be re-mimeographed). Send requests to me.
2. One additional article is on hand reviewing the loop. It will appear as soon a couple of points are discussed and worked out with its author.
3. A surprisingly large number of members of both BCB DX clubs have reported having purchased the loop or planning to do so soon. Those who have tried it out have been almost universal in their praise. Could we hear from some of those who, though not comparing it to an "ideal" loop, feel it does not match the guarantee or are otherwise dissatisfied?

-Don Erickson, 6059 Essex St., Riverside, Calif. 92504

MORE DETAILS ON FET-BCB LOOP Hate to disappoint some people, but this is not Gordon Nelson's FET Altaz loop. Couldn't begin to start on it for \$15. This loop is a very good performer; if it wasn't, I would never have put it in kit form. Specs: DCL--unbalanced, approx. 2' square sat on one corner, with altaz. Loop tuning range, approx. 530-1700. Pre-amp 1 FET, 1 PNP transistor. Here's what you get for \$20: frame, wire, pre-amp, base, cables for connecting pre-amp to rx, 6' long. Included: Labor, US postage, shipping container, and the brain. Send payment to: Ralph Sanserino, 8422 Crane Circle, Huntington Beach, CA 92646.

CAR RADIOS FOR
DXing

It's a well known fact that among consumer radios, car rx's tend to be of much higher quality than are radios designed to be used in the home. For this reason, many beginning DXers who cannot afford expensive communications rx's select car radios and many of these units yield excellent results. The purpose of this article is to provide some helpful hints to those who are contemplating the purchase of a car radio. I'll also provide some tips on how to achieve optimum enjoyment from your car radio once you obtain it.

There are three basic kinds of car radios: Having tested out many portable and car radios, I would warn against just going down to your local Olson store and buying the cheapest car radio you can find. In testing out several types and price ranges of car radios, they seem to fall into three categories. First, the \$12 to \$20 new radios which are made in Japan. Electronically, these are usually little more than metal-cased 5 to 6 transistor pocket radios and they perform about as well as a pocket radio. Audio output on these units is usually low, and audio distortion is high. These radios employ 455kc pocket radio IF cans and they generally lack good AGC and AVC action. Also, they pick up car ignition noise easily.

The second type of car radios are generally made in USA. These are designed as inexpensive substitutes or replacements for original factory equipment. These radios come in hundreds of models that match the mounting face of the original models. They are made by major companies such as Tenna and Automatic Radio. These are the radios sold by Olson for \$19 or so. They have the more selective 262kc IF stages. Audio output is more than adequate for car use. Sometimes the parts layout and circuits are exactly the same as the factory installed radios, however, the actual components used in the circuit are generally cheaper than those used in the factory-installed units. Frequently less precision IF cans are used, i.e., 80¢ cans instead of \$2 cans. These radios are fine for hi-fi listening and they have pretty good selectivity and sensitivity. Because AVC and AGC are quite active, weak signals sound almost as good as strong ones. The newer VW model Ranger brand car radios are pretty good.

The third type of car radio is the kind installed by the auto manufacturer at the factory. These are virtually always the best for purposes of DXing. They feature high-quality IF cans and are generally more ruggedly constructed. The only disadvantage of the factory radios is their tendency to have poor high frequency audio response, this because of the shaper IFs. This never has bothered the HQ-180 owner!

To summarize then, whether you are looking for an indoor DX radio or a radio that will fit into an existing car, the best thing to do is visit your local junkyards and pick up a factory installed unit. The best junkyards are those which specialize in wrecked late-model cars. Large cities generally have such a yard. Consult your yellow pages. Prices for a used factory-installed car radio generally range from \$15 to about \$35. When you figure what you're getting over an Olson or Tenna radio, it's well worth the extra few dollars. The factory-installed radio cost \$65 or more originally.

Before making your purchase, be sure to look for the label on the outside or inside of the radio to determine that it was in fact made by a major manufacturer such as Bendix(for Chrysler) or Delco(for GM) rather than Tenna, etc. Note that radios installed by dealers are usually of the Tenna replacement part type, i.e., Mopar brand radios for Chrysler Corp.

After your purchase: Remember that car radios are designed for short runs of coax fed to short whip antennas. If the ant. or coax is too long, the radio's ant. trimmer capacitor will not be able to peak the antenna properly. The solution is to change the value of the trimmer so as to bring the larger ant. into the trimmer's range. Better still, stick with the short whip. With a sensitive radio, it will be overloading anyway with anything larger than a standard auto setup.

Be certain to align your car radio every couple years. Bouncing in the car takes its toll. When you buy a new radio, align it. You will almost notice that it wasn't peaked exactly for maximum sensitivity. On a poor radio the max. sens. point will make a stns sidebands unsymmetrical. With good transformers(IF cans) and correctly designed radios, the max. sens. point will also net symmetrical sidebands.

Cont.

As final touches to your car radio, you can add a signal strength meter. This is simply a VOM or milliammeter with a .05 or .06milliamp movement connected to the radio's AVC line, i.e., volume control. Use two conductor shielded wiring to the meter for static suppression. The signal strength will appear somewhat logarithmic, depending on the AVC action of your radio. Note that one should not try to read the meter while you're driving the car. You'll no doubt run into a Chev. pick-up if you do--I know from experience!

Other add-ons to your car radio can include a diode noise limiter with on and off switch and a small scope run off an AC inverter to read the true modulation of strong stations. For diode noise limiter plans, consult PE and EI for plans designed for CB type units and adapt them for EOB use. The scope should be connected to the IF stage before the diode detector.

I might note that my experience has been mostly with post-1966 transistor radios. I've found Philco (Ford) radios lacking in hi-fi quality along with sens. and selectivity. GM radios vary widely in their performance. Radios in Chevs seem to be very lacking in selectivity. Tempest radios are top notch. Chrysler Corp. radios made by Bendix are consistently very sens. and selective. This is especially true of Bendix models with labels indicating that at least some of the radio was made in Canada. Remember though that within any one model of radio, performance will vary somewhat. This is mainly caused by differences in transistor gains, etc. Remember car radios only use one IF stage, so component values and such are extremely critical.

The older type "hybrid" radios are very good, but have to be evaluated on a radio by radio basis since so many different designs were used. The '55-'57 Chev. tube radios were pretty good. If possible, buy the radio and take it right home; then compare it with existing radios. If no improvement is noted, try to get your money back. This is the only way you can evaluate car radios inasmuch as manufacturers provide no specs on them. After a couple months, the stores in your area will know you pretty well!

 ---Would like to hear members' experiences with different types of car rx's.
 by-Bill Lipis, PO Box 325, El Cajon, CA 92022

 I would like to thank Bill Lipis for submitting the above
 ARTICLE which he graciously typed for me. Many thanks, Bill!!-HLH
 The following is from the 11/11/70 TORONTO GLOBE AND MAIL:

An organization largely staffed and supported by the Company of Young Canadians has sought approval for an experimental radio service to serve Indians in Northwestern Ontario. The station would serve Lake Helen, Mobert, McDiarmid, Longlac, Aroland, and perhaps Pays Plat. The non-profit groups is known as Kenomadiwin.

William John, president of Kenomadiwin and a supporting group, Thunder Bay Communications, said the radio would serve mainly the large Ojibway Indian populations in each of the six areas. He said he hoped that Kenomadiwin would be free of its CYC involvement at the end of three years, at which time it is hoped that the station can be staffed entirely by local residents.

Allan Angus, a CYC volunteer, said the company will provide \$28,000 to support the station its first year. Under projected plans for operation, each community would be visited by the mobile station once every two weeks for two day periods. The station will broadcast three hours a day, half English, half Ojibway. It is envisioned that the station will be more relevant than conventional media to the needs of the Indians and the agencies that serve them.

Gordon Thomas, a CRTC member, stated that he wished CYC would move into parts of Labrador. He stated that Eskimos there could get clear signals from Moscow and the BBC, but not from Canada!

-----submitted by C.M. Stanbury II

 My thanks to Bill and Stan for making this edition possible.

Editor: Father Jack Pejza, 3266 Nutmeg St. San Diego, Calif. 92104
 Telephones: 714-282-0076 or 714-282-2184. Deadlines: Fridays, eight days before publication. Use GMT (EST + 5 hours) in reports, one side of page, preferably typed in order of frequency.

Direction and Distance Finding

With an elementary knowledge of trigonometry, it is possible to compute the direction and distance of any place on earth from your location. This knowledge comes in quite handy on occasion. For instance, you can check the bearing of an unknown station as determined by the maximum null on a loop antenna with the computed direction of a suspected station. In some contests, you need to know the distance from the station. All that is required is the latitude and longitude of your location and the other city, plus a set of trigonometric tables, such as can be inexpensively purchased in the College Outline Series. Usually the longitude and latitude of a city can be determined from atlas maps of that area.

Two formulas are used:

$$I. \quad \cos D = \sin A \sin B + \cos A \cos B \cos L$$

$$II. \quad \sin C = \frac{\cos B \sin L}{\sin D}$$

A = your latitude in degrees.

B = the latitude of the other city in degrees (positive for north latitude; negative for south latitude).

L = longitude difference between the two locations.

C = the direction or bearing of the other city from you, in degrees east or west from north or south.

D = distance along the path in nautical miles (or degrees of arc). This can be converted to statute miles by multiplying by 1.15.

Example: Find the bearing and distance of Pyongyang, North Korea, from San Diego, Cal.

San Diego: $32^{\circ} 40' N$; $117^{\circ} 7.5' W$
 Pyongyang: $39^{\circ} 3' N$; $125^{\circ} 48' E$

Distance:

1. Compute L. If both locations have W longitude, simply subtract one from the other. If one is E, the other W, then add the two values together and subtract from 360° ; e.g., $117^{\circ} 7.5' + 125^{\circ} 48' = 242^{\circ} 55.5'$. $360^{\circ} - 242^{\circ} 55.5' = 117^{\circ} 4.5'$.

2. In the tables of trigonometric functions, look up $\sin A$, $\cos A$, $\sin B$, $\cos B$, $\cos L$. For angles between 90° and 180° , subtract L from 180° ; e.g., $180^{\circ} - 117^{\circ} 4.5' = 62^{\circ} 55.5'$. For such angles the cos will be negative.

3. Substitute the values into formula I:

$$\begin{aligned} \cos D &= (.5398)(.6300) + (.8419)(.7766)(-.4551) \\ &= .3401 - .2975 \\ &= .0426 \end{aligned}$$

(If this number had been negative, the angle would be larger than 90° ; see step 2 above.)

$$D = 87^{\circ} 33'$$

Since one degree of arc = 60 nautical miles, $87^{\circ} = 5220$ nautical miles

Since one minute of arc = 1 nautical mile, $33' = 33$ nautical miles

$$D = 5253 \text{ nautical miles.}$$

5253 nautical miles x 1.15 = 6041 statute miles

Direction or Bearing

Use formula II: $\sin C = \frac{\cos B \sin L}{\sin D}$

$$= \frac{(.7766)(.8904)}{(.9991)} = .6921$$

$$C = 43^{\circ} 48'$$

Since we know that Pyongyang is northwest of San Diego, we subtract this value from 360° to get the bearing: $360^{\circ} - 43^{\circ} 48' = 316^{\circ} 12'$
Bearings are indicated st that north is 360° or 0° , east is 90° , south is 180° , and west is 270° .

There are a number of commercial firms which will furnish you with tables of bearings and distances from your location; their ads usually appear in magazines such as 73 or CQ or other ham magazines. There also are several club members who have programmed computers to give such tables.

With a little practice, it becomes quite easy to do the computations. Since most trig tables are accurate to four decimal places, you can be very accurate in your computations. With a slide rule, you can get an answer which is accurate to about 30 miles and 30'; this is usually sufficiently accurate enough. Good luck!

Geomagnetic Indices

January 6- 12	3	0	0	0	5	6	2
13- 19	6	8	7	9	4	13	9

Report from Brazil new member Claudio R. Moraes, Rua Joao Gomes da Silva 148, Curitiba, Brazil (about 125 miles southwest of Sao Paulo)

- 740 KCBS U.S., San Francisco, Calif. good signal heard 12/22 and 12/24 after 0700 GMT. Ads for CBS and KCBS News.
- 1470 XE?? Mexico, Radio Fiesta with music and ads. Heard with Radio Inca, Lima (OEX4E- 1480) 12/24 at 0732 GMT with ID. (This is XESM, Mexico City.Ed)
- 1480 WHOM U.S., New York, N.Y. is one of the two US stations on this frequencies. The other could be Mobile (WABB), Augusta (WRDW), Charlotte (WAME), or Richmond (WLEE). Heard from 0500-0800 GMT MM.
- WMDD Puerto Rico, Fajardo with transmission in SS on morning of 12/24 with transmission de fiesta. Very strong.
- 1500 XERH Mexico, D.F. Radio Tricolor has been heard after 0600 to 0900 GMT with program of ballables, with some ads for Ron Bacardi, El Tipico Rum del Tropic, and mentions of strees Rio de la Loza, Aguire, and Zaragoza, and ads for Pepsi Cola.
- 1520 KOMA U.S., @klahoma City, Oka. new station heard and IDed after several tentative receptions. Formerly only WKBW, Buffalo, was heard. On 12/24, WKBW was weak, and KOMA heard 0600-0800.
- 1530 KFBK U.S., Sacramento, Calif. Usually heard under WCKY, Cincinnati, after 0600 GMT. WCKY presents a good music program with IS at 0630. KFBK is heard with several IDs at 0614, 0624, etc. 12/24. Third Californian here.
- 1550 WOKJ U.S., Jackson, Misss. Another new state heard 12/24 with Radio Fantasia, Bogota (HJZI) from 0649-0900 with telephone talk show, commentaries, and several news shows.
- 1560 KPNC U.S., Bakersfield, Calif. My first Californian on 12/22 and also on 12/24. The sound, very clear and regular, was best on 12/22 with ads for CBS, and good music.
- 1580 XEDM Mexico, Hermosillo, Son. very good reception 12/22 and 12/24 with ID as "DM" and ads for Muneca, P.O. Box 55, Nogales, envie 1.25 dolares. In passing, heard same ad 6/18/67, when XEDM first heard. In SS 0650-0900.
- 1590 XEVOZ Mexico, D.F. usually poor and under KYOK, Houston from 0400-0600. After 0600, usually KYOK is weak and XEVOZ can be heard with ads for Fiesta in Mexico 70, Cervaza, Cafe, etc., and heard until 0900 GMT. 12/22 and 12/24.

Hope to hear . from you again soon, Claudio.

Listeners' Loggings- East Coast

- 540 XEWA Mexico, San Luis Potosi, SLP, tentative. A SS station under CBEF 12/26 0340 and on, playing easy-listening Latin music. Is this XEWA? They are usually there all the time late at night. (TGH)(I would think so, Tom. XEWA is usually here till about 0600 or 0700 GMT. Ed)
- 590 CMW Cuba, Havana 12/28 0640-0700 //600 but weaker. (TGH)
- 600 CMKV Cuba, San German 0645 12/28 in loud. Can't hear semi-local WICC at night (30 miles away or less) due to Cuban. (TGH)
- 700 HJGU Colombia, Cali good under WLW at s/pff 12/31 0400. Heard again 1/3 0100. (DSS)
- 834 ... Belize, Belize 12/27 0243-0450 s/off. At 0256 played "Let It Snow". That's easy for them to say. (TGH)
- 872 ... U.S.S.R., Radio Moscow relay 12/30 2300-2345 in EE to NA and then in SS to LA. A harmonic feared. (JH)(WRTH'71 lists a 150 kW station in Moscow on 872, with SW relay. Ed)
- 1010 HIJP Dominican Republic, Santo Domingo, "Radio Comercial" heard with program for Coke 12/31 0330. (DSS)
- 1035 4VEF Haiti, Cap Haitien 1/7 0010 and on giving WBZ trouble with splash from WHO. Very loud. (TGH)
- 1080 ??? UnID with bilingual program EE/SS and SS music 1/13 0010; lost to WTIC right after. Man in EE, woman in SS. (DSS)(Most likely possibility might be WLEY, Ponce, P.R. Ed)
- 1540 ZNS Bahamas, Nassau in with an excellent signal 12/30 0927 with program of easy-listening music way over KXEL. (JH)
- 1562 CMGB Cuba, Varadero "Reloj Nacional" with usual ticks and news 1/3 0818. (DSS)
- 1570 XERF Mexico, Cd. Acuna in very poorly with a DJ sounding like Moms Mabley. CKLM covered pretty well. 0745 taped ID 12/30. Where do they DA?(JH) (I don't know what you mean by "DA", John, but their address is Galeana 130 Pt. altos, Ciudad Acuna, Coah., Mexico. Ed)

Midwest

- 655 ... North Korea, Pyongyang. Three pips on the tape at 1400 GMT, 1/12, and I presume the 4th pip was lost in the QRM. Seemed to be all voice the previous half-hour, but audio portions were deeply imbedded in the carrier swish. Having transmitter trouble, too, for the signal kept dropping off for second or two near 1350. Snatch of music followed by Oriental male voice right after 1400. Reached peak close to 1410. Through-out carrier was too strong for amount of audio being delivered. Similar good carrier on 725 kHz at 1415, six minutes before Denver sunrise. First time Korea was in this winter, and an hour later than I ever heard it before. YSS faded out before 1300. (GM)
- 665 ... Portugal, Lisbon. This ANer back Sat. and Sun. night before out local 10 PM or 0500 GMT, 1/10 and 1/11, in the welcome absence of TGRT.(GM)
- 720 CMGN Cuba, Colon, very good signal 1/5 0520-0545. Easy to separate from WGN. (JAM)
- 746 ??? Distinct carrier only from NE 0705-0715 SM 1/10. (GM)
- 750 HJDK Colombia, Medellin very good signals 0445 1/2. It's usual programming completely covering weak WSB. What time does YNX sign off? (JAM) (I'm not certain, Joe---about 0600 I think. Ed)
- 755 ... Portugal, Lisbon, some audio heard but not good during same time span as the 764 reception. (GM)
- 760 TGHS Guatemala, Guatemala, poor under WJR 12/28 0428. Guatemala mentioned occasionally. (JAM)
- 764 ... Senegal, Dakar heard Sat AM, SM, and MM, 1/9, 1/10, 1/11 right agter 0600 GMT. (GM)
- 800 PJB Netherlands Antilles, Bonaire poor with CKLW smothering them at times. Heard with language that sounds like Portuguese 0837 1/7. (JAM)(That is the language they broadcast in at that time. Ed)

ALL REPORTS ARE IN GMT IN DXWW. (EST + 5 HOURS).

- 820 HJED Colombia, Cali 1/2 fair under WBAP with news at 0510. (JAM)
 850 HJKC Colombia, Bogota, very poor under KOA 1/3, parallel to HJDK at 0647. (JAM)
 881 ??? Carrier from NE hitting WCBS as late as 0820 SM 1/10. (GM)
 1010 XEHL Mexico, Guadalajara believed to be the Mexican here over CBR with an ID at 0355, SS music, echo effects. 1/6. (JAM)
 1214 BBC Britain in and out with good volume on the peaks 0730-0820 SM 1/10. S Strange conditons, for BBC was not here in the previous hour, and London sunrise came at 0800. Carrier remained strong as late as 0830 but then disappeared. Taped 4 or 5 minutes music, announcements and news on the hour. BBC returned with even better volume next night at 0540 1/11, but soon vanished for good as the bottom dropped out of this TA opening. By 0630 all traces of TAs were gone, including Dakar. (GM)
 1586 ??? Carrier heard here on this German frequency 0534 1/11. Not heard before any time this DXing season. (GM)

West Coast

- 854 OAX4H Peru, Lima heard with "Radio Nacional del Peru" ID through XELO Splat-ter 1/11 0839. A big non-verifier, I've heard---true? (SK) (I believe so, Steve. Ee)
 970 KPUA Hawaii, Hilo weak under KREM with music 0955-0958 s/off 1/10. (SK)
 1210 YVMN Venezuela, Coro, Radio Coro with ID 1000 1/11' fair signal and all alone. (SK)

Verifications

- 830 KIKI Hawaii, Honolulu sent "Alan Roycroft v/q" in 20 days airmail. Roycroft's QRA for reports is: Alan Roycroft, Broadcast Service Inc., 2877 Kala-kaua Avenue, Honolulu, HI 96815. (SK)
 1090 XERB Mexico, Rosarito, Beach, B.C. v/q in 11 days! A new address was typed on the card: P.O. Box 2735, San Ysidro, Calif. (MN)
 1480 WMDD Puerto Rico, Fajardo sent v/q signed by G. Soto Perez for country #19 verified. (FJP)

Reporters

- TGH Tom Hartloff, Nyack, N.Y.
 JH John Howcroft, Norfolk, Va. (Please put name and address on report sheet, John)
 SK Steve Kamp, San Jose, Calif.
 JAM Joe Markewicz, Winnepeg, Man.
 GM Gene Martin, Denver, Colo.
 MN Mike Nickel, St. Louis, Mo.
 FJP Your editor
 DSS Dave Singer, Richmond, Va.

Far East Broadcasting Company As a backup for its Okinawa operation, FEBC is entering into a major project to increase effective voice to China with a 250 kw MW station on Cheju, an island off the southern coast of Korea (300 miles from Shanghai) and a 250 kw MW station on the west coast of Luzon in the Philippines to reach Canton and all of southern China. Target date for both is early 1972. Cost will be more than \$1,000,000. (WRB)

Cyprus Despite British pressure to prevent a Radio Monte Carlo relay station from being installed on Cyprus, Sometra has received permission to build there. The British claim that this relay station will interfere with their radar stations at Cave-Kilo and the broadcasting center at Cavo-Greco. An agreement has been signed between Radio Monte Carlo and the Cyprus broadcasting authorities. (WRB)

Japan The Post and Telecommunications Ministry recently declared new plans for increasing power. NHK 1 outlets in Tokyo (JOAK-590), Osaka (JOBK-670), Nagoya (JOCK-730), Hiroshima (JOFK-1070), and Fukuoka (JOLK-610), now 100 kw or 10 kw will go up to 300 or 500 kw. NHK 2 stations in Sapporo (JOIB-750) and Fukuoka (JOLB-860) will go from 100 kw to 300 or 500 kw. Private commercially owned stations in Tokyo, Osaka,

Nagoya, Sendai, Hiroshima, and Fukucka which have powers of 10, 20 or 50 kw, will increase up to 100 kw. If the station does not wish to increase its power, it can instead operate on FM. (WRB)

Russia The Russian daily newspaper "Izvestia" has mentioned the existence of Soviet pirate stations, which are quite numerous. In the town of Belaya Tserkow alone, 200 unauthorized transmitters have been discovered. One of the best equipped was Radio Parasite on 250 meters (1200 kHz); it could be heard for 180 km (about 110 miles). The Soviet press also reports clandestine stations in Kalauga called Radio Marguerite, The Neighbor, and Happy Boy. (WRB) (Sounds like our CB channels. Ed)

New Zealand (Jon E. Pearkins, Jr.)

Theo Donnelly is now the AN man at LXW. He shares a flat with Richard Ginbey, who is currently doing the traffic-hours shown. Ginbey formerly was from South Africa, and is quite well known in DXing circles. LXW, Radio Waikato is owned and operated by the Independent Broadcasting Co., Ltd. Frequency is 930 kHz, with 2000 watts into a 264 foot tower. Mailing address is P.O. Box 9300, Hamilton, N.Z. Both studios and transmitter are located at 169 London St., Hamilton. Format is MoR (easy-listening) with commercials, except on Sunday, Christmas Day, Good Friday, and Anzac Day, when there will be no commercials. Radio Plains (LXP) will begin broadcasting on 1020 kHz as a relay of LXW with 1 kw within 36 weeks of the opening of LXW (11/1/70). Another relay, LXX, will open within 36 weeks after LXP opens, to serve the Northern King Country basin. LXX, "Radio Waitomo", will be on 1170 kHz and will be in Te Kuiti. LXP will be in Thames.

WRTH'71 The 25th edition of World Radio TV Handbook has just arrived here. In appearance it is almost identical with WRTH'70. The information inside is, of course, essential for any foreign DXer. The MW summary in the back has been compiled by the Arctic Radio Club (and NRC for the US and Canada and Mexico). My only complaint is that the listings don't include the Mexican FM stations, since several can be received here in San Diego.

You can't afford to pass it by--that is, the opportunity to attend the upcoming convention which, hopefully, will be in California's First City, San Diego, from August 27 to the 29th. We've tried to scale prices to attract a large number of DXers. For instance, a hotel room (4 in a room) will only cost you four bucks a night each. You can't beat that. Our banquet will cost only \$3.55 each, including tax and tips. The Fabulous Inns are offering us a fabulous deal (I think wearing a Roman collar while talking to hotel sales managers helped). When you think it over, you'll have to agree that San Diego is the only logical place to have the convention this summer. We expect to get an overwhelming majority of the votes on a convention site.

Speaking of hotel sales managers, Don Kaskey has been elevated from that job to the position of general manager of the El Rancho, Sacramento, home of ERBA. I understand the ERBA session over New Year's in Sacramento surpassed all previous ones.

Rumor of the week--is it true that Randy Seaver has ordered a Joe Worcester ferrite loop? Can we look forward to his return to the ranks of the clan? Tune in next week and see.

Last minute flash!! San Jose has withdrawn its bid as a convention site in favor of San Diego.. The bandwagon has begun to roll.

CONVENTION BIDS It has just been learned by your publisher that Toledo, Ohio, will be bidding for the IRCA 1971 Convention. This information from IRCA CPC Chairman Dan Myers. Toledo has a fairly good sized group of IRCA members and few states have more DXers.

FET-BCB Loops One more reminder that Ralph Sanserino is taking orders for his kit to build an FET altazimuth loop. Brief details appear on page 26. Or you can write directly to Ralph Sanserino, 8422 Crane Circle, Huntington Beach, California 92646, for details and prices on various components of the loop kits.

Broadcasting Information (as compiled by Mike Worst) - Dec. 21 issue

new	1010	500w-D	Garyville, Louisiana	granted WKQT
KLAV	1230	250w	Las Vegas, Nevada	to lkw-D, 250w-N
KADS	1240	250w	Elk City, Oklahoma	to lkw-D, 250w-N
KSOX	1240	250w	Raymondville, Texas	to lkw-D, 250w-N
KKGF	1310	5kw	Great Falls, Montana	to 5kw-D, lkw-N, ND
KQIL	1340	250w	Grand Junction, Colo.	to lkw-D, 250w-N
KSly	1400	250w	San Luis Obispo, Calif.	to lkw-D, 250w-N
WBMA	1400	250w	Beaufort, N.C.	to lkw-D, 250w-N
KGMV	1450	250w	Missoula, Montana	to lkw-D, 250w-N
WSYL	1490	250w-SH	Sylvania, Georgia	to lkw-D, 250w-N
WVIM	1490	250w	Vicksburg, Miss.	to lkw-D, 250w-N
KNEL	1490	250w-SH	Brady, Texas	to lkw-D, 250w-N
new	1540	10kw	Honolulu, Hawaii	CP

PSAs The following stations have been granted Presunrise Service Authorizations with the power shown in the right-hand column. All present powers are daytime only powers.

<u>730</u>				<u>1090</u>			
KSUD	250w	West Memphis, Ark.	108w	WKSP	500w	Kingston, S.C.	6.7w
KLOE	1kw	Goodland, Kansas	20w	<u>1150</u>			
WACE	5kw	Chicopee, Mass.	86w	WYNE	1kw	Appleton, Wisconsin	200w
WDOS	1kw	Oneonta, N.Y.	73w	<u>1220</u>			
WFMC	1kw	Goldsboro, N.C.	376w	WCDQ	1kw	Hamden, Connecticut	500w
WPIT	5kw	Pittsburgh, Pa.	225w	WLPO	1kw	LaSalle, Illinois	215w
WLIL	1kw	Lenoir City, Tenn.	199w	VKRS	1kw	Waukegan, Illinois	500w
<u>800</u>				WBCH	250w	Hastings, Michigan	250w
WHOS	1kw	Decatur, Alabama	250w	KBHM	1kw	Branson, Missouri	59w
KVOM	250w	Morrilton, Ark.	87w	KZYM	250w	Cape Girardeau, Mo.	163w
KUZZ	250w	Bakersfield, Calif.	14w	WGNV	5kw	Newburgh, New York	500w
WLAD	1kw	Danbury, Conn.	433w	WREV	1kw	Reidsville, N.C.	500w
WKZI	250w	Casey, Ill.	250w	<u>1260</u>			
KREI	1kw	Farmington, Missouri	302w	WUFE	5kw	Baxley, Georgia	500w
KPDQ	1kw	Portland, Oregon	491w	<u>1380</u>			
WEAB	250w	Greer, S.C.	250w	WWCM	500w	Brazil, Indiana	15w
WDUX	5kw	Waupaca, Wisconsin	500w	<u>1570</u>			
<u>900</u>				KBRI	250w	Brinkley, Arkansas	102w
WOZK	1kw	Ozark, Alabama	100w	WILO	250w	Frankfort, Indiana	250w
WJWL	1kw	Georgetown, Delaware	274w	WPEP	1kw	Taunton, Mass.	350w
WATC	1kw	Gaylord, Michigan	174w	WFUR	1kw	Grand Rapids, Mich.	500w
KTIS	1kw	Minneapolis, Minn.	350w	WKOL	1kw	Amsterdam, New York	277w
WAYN	1kw	Rockingham, N.C.	500w	WFLR	1kw	Dundee, New York	195w
KFNW	1kw	Fargo, N.D.	425w	WPTW	250w	Piqua, Ohio	250w
WNYN	500w	Canton, Ohio	106w	KVLG	250w	La Grange, Texas	32w
WFLN	1kw	Philadelphia, Pa.	124w	WAPL	1kw	Appleton, Wisconsin	500w
<u>1050</u>							
WTCA	250w	Plymouth, Ind.	250w				
WNES	500w	Central City, Kentucky	250w				
WMSG	500w	Oakland, Maryland	500w				
KLOH	1kw	Pipestone, Minn.	258w				
WSCV	1kw	Peterborough, N.H.	500w				
KCCO	250w	Lawton, Oklahoma	13.5w				
KFMJ	1kw	Tulsa, Oklahoma	52w				
WBUT	250w	Butler, Pennsylvania	250w				
KBLE	5kw	Seattle, Washington	337w				
WOKL	1kw	Eau Claire, Wisconsin	500w				

Do you wish to see Broadcasting Information continued in its present format?

Would you prefer a different format or less space devoted to this feature?

Do you have suggestions for additions or ideas for making the information more accurate or up-to-date?

Let Mike Worst know! -5903 Greenwood North, Seattle, Washington 98103