



DX MONITOR

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THE INTERNATIONAL RADIO CLUB OF AMERICA

December 19, 1970

OUR SIXTH YEAR

VOLUME EIGHT, NUMBER 13

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

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Publisher: (All material for the bulletin except that intended for section ed's + requests for samples or reprints) Don Erickson, 6059 Essex St., Riverside, Calif. 92504. 714-687-5910, 6-12 PM and 4-8 AM PST.

Membership Dues: (U.S. funds) \$9.50, \$6.50, and \$14 (1st class, 3rd class, Air Mail). Third class mail is not recommended because of unreliable service. Please mail dues to Mike at Box 1122 only and make funds payable to "IRCA".

Bulletin schedule: Weekly, dated Saturdays. We do not skip any holidays so please report regularly throughout the coming weeks. Issues will be dated Dec. 26; Jan. 2, 9, 16, 23, and 30. Mailing is around 4 AM Wed. or Thurs.

Editors' and Publisher's Deadlines: Editors should list their deadlines every week. Last minute DXM info can be phoned to DEE Mon. nights; sometimes Tues. nights.

This Issue At present, the issue has not been completely arranged but will be mailed no later than 5 AM PST Thurs. Last issue, mailed 24 hours earlier, did not reach Seattle, Denver, or Boston until Monday; therefore, no special attempt was made to rush this issue. The post office takes two days to deliver Bob's stencils to a PO Box; similar for FJP and Grant. Marc's, with AIR MAIL in red three times on front and once on back were marked "NOT IN AIR MAIL". If you are mailing CPC info please send it air mail; surface takes 4 to 5 days from Seattle, Toronto, New York, ad nauseum.

Colored Address Slips Many members living in the '0' and '1' ZIP code regions will find addresses on small colored slips of paper. Explanation is elsewhere. Check your envelope carefully for these.

NEW MEMBERS!!!

Robert E. Joyce - 2242 N. 107th St. - Wauwatosa, Wisc. 53226 (WBAP)
Steve Simonsen - 1512 Amber Court - Ontario, Calif. 91762 (KOMO, KSWs, KGYN, WBAP, KFAB and Bill Powers)

RENEWALS

Dan Adams - 199 Valley View Avenue - San Jose, Calif. 95127 (1-18-69)
Jerry K. Conrad - P. O. Box 952 - Haines City, Florida 33844 (12-16-67)
Andy Lisowski - 2034 Fair Park Avenue - Los Angeles, Calif. 90041 (1-4-69)
Douglas Nyholm - 1106 W. Clarendon - Phoenix, Arizona 85013 (1-10-70)

CHANGES OF ADDRESS

Robert Berger - Room A 304, Langmuir Coll. - SUNY at Stony Brook - Stony Brook, LI,
Florence M. Cohen - Box 328 - Golden's Bridge, N.Y. 10526 NY 11426
Ken Horne - 2150 W. 20th Avenue - Vancouver 8, B.C. CANADA (correction)
Frank Merrill, Jr. - 2501 Auburn St. - Toledo, Ohio 43606

CHANGES Members have been so good about sending mbn changes that your publisher has not had to pay for a single change in over a month! Because Mike will be out of town 12/24 - 1/3, deadline for 1/2 and 1/9 issues is 12/23 at Box 1122.

EST

DX CALENDAR

December 19, 1970

Date	Time	Call	Freq	Location	Power	Notes
Sat. Dec. 19	0000-0200	WNAK	730	Nanticoke, Pa.	1kw	NRC/Cliff Reno
Sun. 20	0000-0400	WGOE	1590	Richmond, Virginia	5kw	IRCA/NNRC/JRTHSRC
Mon. 21	0000-0400	WINR	680	Binghamton, N.Y.	500w	NRC/Boyd & Krieger
	0230-0330	WIZS	1450	Henderson, N.C.	1kw/250w	NNRC/Vonderembse
	0400-0500	WAZY	1410	Lafayette, Ind.	1kw	IRCA/McCormack-Taaffe
Mon. 28	0100-0200	WEEB	990	Southern Pines, N.C.	5kw/250w	NRC/Joe Kureth
	0200-0330	KCGO	1590	Cheyenne, Wyo.	1kw	IRCA/Bruce Haines
	0400-0500	KRAE	1480	Cheyenne, Wyo.	1kw	IRCA/Bruce Haines
Fri. Jan. 1	0225-0240	KORN	1490	Mitchell, S.D.	250w	IRCA/Neil Bartlett
Sun. 3	0430-0500	WKLX	1350	Portsmouth, Va.	5kw	NRC
Mon. 4	0200-0230	WJRL	1530	Calhoun City, Miss.	250w	NRC/IRCA-Roger Winsor
Mon. 11	0100-0300	WTLB	1310	Utica, New York	1kw/500w	NNRC
	0300-0400	WMBS	590	Uniontown, Pa.	1kw	NRC/Dave Schmidt
	0415-0450	WASK	1450	Lafayette, Ind.	1kw	IRCA/McCormack-Taaffe
Mon. 18	0415-0445/ /0300-0400	WBAA KAST	920 1370	West Lafayette, Ind. Astoria, Oregon	5kw 1kw	IRCA/McCormack-Taaffe IRCA/Pat Martin
Sat. 23	0200+	WMNC	1430	Morganton, N.C.	1kw	NNRC
Mon. Feb. 15	0230-0300	WSTP	1490	Salisbury, N.C.	250w	NNRC
	0400-0500	WDEL	1150	Wilmington, Del.	5kw	NRC/IRCA-Lombardo
Sat. 20	0110+	WKKE	1380	Asheville, N.C.	5kw	NNRC
Mon. Mar. 15	0200-	WJMX	970	Florence, S.C.	1kw	NNRC
Mon. Apr. 26	0200-	WGBG	1400	Greensboro, N.C.	250w	NNRC

ALL-NIGHT FRENCH-CANADIAN PROGRAMMING The annual tip about watching for French-speaking Canadian stations AN with midnight mass on Christmas eve was sent in by John Oldfield this year. Oldtimers probably are aware of this; newcomers are advised to check the FF Canucks on the AM of 12/25.

XETRA SP MM Mike Hardester reports XETRA off MM 12/14 at 0516 s/off until 0830 s/on, EST. At s/off, they said it was for "our maintenance period" suggesting it might be regular, good news to anyone on the WC. Mike says cx were horrible that MM. Pub. heartily agrees; horrible except for those who like snow (in Riverside for about 5 min's) and brilliant displays of lightning. Ugh.

DX MEETING This is not expected to reach anyone in time but, in case it does, Gordon Hanson will be hosting a Sun. 12/20 meeting at his house. 5224 Fauntleroy Way SW, 98116. Home of the Seattlites. Info can be obtained by phone from any Seattle member and cards have been sent to others.

Write-ups for CPC Programs This DXC features a multitude of changes and quite a potential for errors. CPC men, please check things carefully of notify of any errors. Also, all CPC members of all clubs are requested to obtain postage-free air mail reply envelopes from pub hdq, DEE. Those in Canada, ignore this. Please include power that will be used on the program when sending in info. Too many forget this...also, CPCers should send all info to: Ernest R. Cooper, 438 East 21st, Route 2623, Brooklyn, NY 11226.

Last Week's Programs Elsewhere, probably page 4, is info on KREL's pgm, as broadcast. HCJB was on the air and was heard at least somewhere, according to preliminary info. No details yet on WKIX and WILM. Members are invited/requested to obtain postage free air mail postcards for use in notifying pub hdq of which pgms were heard. Just drop DEE a card.

WNAK info in last issue. Reports to: Mr. Robert Neilson, CE, WNAK, 40 E. Main St., Nanticoke, Pa. 18634. Programming was to be music and many IDs. -NRC/Cliff Reno
WGOE info was in two issues ago. Music, not C&W, probably R&R, with IDs, and code phrases for verifications purposes will be featured. Reports to: Mr. Jim Grainger, CE, WGOE, 159 E. Belt Blvd., Richmond, Virginia 23224. Arranged for IRCA, NNRC, and the J. R. Tucker High School Radio Club by Dave Singer. -Dave Singer, Richmond.
WINR was switched from 12/7 to 12/21; reports to: Mr. Kevin VanDerbeck, WINR, 70 Henry St., Binghamton, NY 13901. This annual program will be put on by the Boy Scouts. Arranged by Wes Boyd and Stef Krieger; info from Jerry Starr. -NRC/Starr

--continued on page three--

DX Program Write-ups

WIZS will use 250w 0230-0300 and 1kw 0300-0330. IDs, music and tones of varying pitch will be featured. Reports should be sent to: Walter M. Luce, Director of Engineering, WIZS, P. O. Box 1299, Henderson, N.C. 27536. -NNRC/Gene Vonderembse

WAZY will use 1000 cycle tone, ID every 3 min's, and code #'s for verie purposes. Recorded jingles will also be used. Reports to: Mr. Larry Hitz, CE, WAZY, Box 1410, Lafayette, Ind. 47902. -IRCA/Tom McCormack and Steve Taaffe

WEEB is last-minute flash from DX NEWS. It will be annual Proof of Performance done by NRCer Joseph Kureth. A variety of music, varying tones, and IDs will be used; reports should be sent to: Joseph Kureth, WEEB, Box 572, Southern Pines, N.C. 28387 and NOT to the stn. Taped reports would be preferable and a card or note is requested if you hear the stn, even if you already have a verie. WIBG, WNOX, and CBW should be off the air. Both 5kw and 250w will be used. -NRC/DX NEWS

KCGO reports, according to last-minute phone call from Bruce, should be sent to Bruce and not to the stn, those the latter will be forwarded to Bruce. Bruce's address is Salina Star Route, Boulder, Colo. 80302. The power for both KCGO and KRAE should be 1kw, not 250w, an error on your pub's part. -IRCA/Bruce Haines

KRAE reports, as above; power is 1kw, not 250w. -IRCA/Bruce Haines

KORN is still tent. for this date. 1000 cycle tone and ID every 3 min's; reports to Mr. Arnold Monday, CE, KORN, Box 908, Mitchell, S.D. 57301. -IRCA/Neil Bartlett

WKLX info from Ernie Cooper, NRC. There will be mention of NRC and dedications to various members. Golden oldies and R&R music will be used. WKLX is ex-WCVU.

Reports to: Craig Kincaid, CE, WKLX, 801 Middle St., Portsmouth, VA 23705. -NRC/ERC

WJRL will presumably program C&W mx. Reports to: Mr. Robbie Roberts, Manager, WJRL, P. O. Box 605, Calhoun City, Miss. 38916. Mr. Roberts will be expecting all reports to contain RP; let's don't let him down. -NRC/IRCA-Roger Winsor

WTLB reports to: Mr. David E. Doughty, CE, WTLB, Utica, N.Y. 13503. -NNRC

WMBS will use music and lots of IDs. Reports to: Mr. William Henzly, CE, WMBS, 82 W. Lafayette St., Uniontown, Penna. 15401. Arr. by Dave Schmidt. Info: -NRC/Starr

WASK will use music 0415-0430 w/frequent IDs; 1000 cycle tone and very few IDs will be used 0430-0450. 1kw ND daytime pattern will be used. Reports should be sent to Tom McCormack, 275 Littleton St., West Lafayette, Ind. 47906. -IRCA/McCormack & Taaffe

KAST will use R&R and MoR mx; phone calls (PREPAID) will be accepted at 503-325-2911. Reports to: KAST, P. O. Box 445, Astoria, Ore. 97103. -IRCA/Pat Martin

WBAA is changing from 1/11 to 1/18; correct power is 5kw, ND pattern. Reports to: WBAA, Purdue University, West Lafayette, Ind. 47907. -IRCA/McCormack & Taaffe

WMNC reports to: Mrs. Madelyn Y. Patton, PD, WMNC, P. O. Box 969, Morganton, N.C. 28655. Info from John T. Tweedie, NNRC.

WSTP reports to: Fred J. Ostwalt Jr., CE, WSTP, Box 157, Salisbury, N.C. 28144.-NNRC

WDEL will do a DX for NRC/IRCA with mx, cycle tone, and a surprise! Reports to: Mr. Joseph W. Jones, WDEL, P. O. Box 1269, Wilmington, Del. 19899. Joe is a member of NRC himself and has conducted similar programs in years past. -John Lombardo

WKKE, WJMX, and WGBG info in future issues.

Address Slips Many members whose ZIP code starts with 0 or 1 will find between one and five pieces of paper with typed names and addresses. These are the names and addresses of DXers who have either written IRCA for a sample bulletin or have sent a report to anyone of several stations. Most are not more than 4 mo's old; some are much older. It is hoped you'll contact a few of these DXers and invite them to invite a radio club, whether it be IRCA, NNRC, or another club. Names will be distributed to the remaining ZIP areas in future issues. If you would like more names or did not get any, drop a post card to IRCA membership committee chairman DEE; there are hundreds on hand for all areas. Please indicate what ZIP code range you would like and how many. The same name is being sent to as many as five people so it might be preferable to write rather than have someone get several phone calls about the same thing. And if you're not interested in contacting local DXers, just ignore the labels (slips); there is no record of who got what names so if you want more, indicate what names you already have. This should be a good way to get to know other DXers in your area and a fine way to interest more DXers in joining a radio club. -Don Erickson, 6059 Essex St., Riverside, Calif. 92504

December 19, 1970

Broadcasting Information (as compiled by Mike Worst) 11/16 and 11/23 issues

new	570	1kw-D	500w-N	Kodiak, Alaska	CP
WMSJ	680	1kw-D	250w-N	Sylva, N.C.	PSA 500w
WBCI	740	500w-D		Williamsburg, Va.	requests WMBG
KKID	850	500w-D		Thousand Oaks, Calif.	granted KGOE
WTRS	920	500w-D		Dunnellon, Fla.	PSA 500w
KBRE	940	10kw-D		Cedar City, Utah	PSA 500w
KOTD	1000	250w-D		Plattsmouth, Nebr.	PSA 60w
WKOK	1070	10kw-D	1kw-N	Sunbury, Pa.	from DA-D to ND-D
WALT	1110	10kw-D		Tampa, Fla.	granted WQYK
WELX	1110	250w-D		Xenia, Ohio	change DA pattern
WCBX	1130	1kw-D		Eden, N.C.	PSA 22.8w
KOAD	1240	250w		Lemoore, Calif.	to 1kw-D, 250w-N
WKOY	1330	500w-D		Wellston, Ohio	start operation and PSA 500w
WIZO	1380	1kw-D		Franklin, Tenn.	from DA to ND
WASR	1420	1kw-D		Wolfeboro, N.H.	PSA 500w
KEYS	1440	1kw-D	500w-N	Corpus Christi, Tex.	to 1kw-U
WLAJ	1450	1kw-D	250w-N	La Follette, Tenn.	from SH to U
KCONY	1470	250w-D		San Marcos, Tex.	PSA 250w
WAAN	1480	1kw-D		Waynesboro, Tenn.	PSA 500w
WKVI	1520	250w-D		Knox, Ind.	start operation
WLGB	1530	1kw-D	250w-CH	Moulton, Ala.	requests WHIY
KNBI	1530	1kw-D		Norton, Kansas	PSA 50w from 100w
KREK	1550	500w-D		Sapulpa, Okla.	requests KXOJ
WPJD	1550	250w-D		Daisy, Tenn.	PSA 152w
KVLG	1570	250w-D		La Grange, Tex.	change DA pattern

-----Mike Worst, 5903 Greenwood N., Seattle, Wash. 98103

CBXQ-540 revisited Repeating last issue's item, CBXQ-540, according to verie, will increase power from 40 watts to 50 watts, per Steve Kamp. The correct spelling is Ucluelet, not with E; your pub's mistake entirely.

KREL 'Results' KREL did air the DX program until about 0730 EST, starting at 0300 EST. The program was pre-recorded on cartridges except for live news and some comments. 500w night pattern was used. Program was definitely received in Seattle by Chuck Albertson (per phone comparison of programming) but very poorly. Not heard by Mike 'DOC' Hardester in Modesto. Conditions were as poor as could be possible with bursts of thunder every so many minutes, something unusual in SoCal. And Pub Hdq was pelted with semi-snow. Request for phone calls to stn at about 0430 EST was without results; later collect calls were requested; results same. Reports are wanted whether you desire a verie or not; the stn would also like to know if KEEN was on the air. There is a chance the program will be conducted once again when conditions are better. Program was done by Beautiful Bob "The Boob" Brulte (chief announcer and soon-to-be IRCA member), Steve "Sadistic" Simonsen (who prepared segments on DX in each of the 3 IRCA regions), James R. "Periquito Rojo" Miller (responsible for SS IDs & CE) and Bill G. "Billy Boss-Jock" Powers (who taped a 15-minute article on sending reception reports). Everyone at the station had fun; a successful program even if no one heard it. Pobre Guillermo! -CENSORED

Ready Verifiers List As announced in 12/5 issue, Ken Lyon is now editor of the RVL, a long-stalled project to provide material on which stations do verify and in what manner. The list will be done on a regular basis but will not be a verie signer's list; it will contain an indication that the stn verified with a QSL, a v/c (unprinted card, typed or written), letter, v/f (form letter), v/r (on report), etc. Ken will probably have an announcement soon on what he desires to receive from the membership and the form in which it should be prepared. In the mean time, you might send him a list, by frequency, with call, location, type of verie, and how long (in days or weeks) it took to arrive. Please use one side of the paper only, preferably 8½ X 11 paper, until Ken advises otherwise. All mail concerning this should be sent to: Ready Verifiers List, Ken Lyon, 9415 Goodrich Road, Clarence Center, New York 14032.

- *****
- 540 WDAK GA, Columbus all alone 11/30 0413 w/up-tempo MoR mx. Rapidly pulsating signal. (DF)
WGTO FLA, Cypress Gardens good w/mx til s/off @ 1730 11/14. (TY)
- 550 CFNB NB, Frederickton poor w/nx & wx 0005 11/28. (RAB)
- 560 WQAM FLA, Miami in o/WFIL w/rr mx at 0040 11/28. (RAB)
- 590 WPLO GA, Atlanta in the clear 1724 11/27 w/C&W mx; GA was very good that night. (DF)
- 610 WIOD FLA, Miami hrd 11/29 2130 w/nx, sports, & wx; then Monitor Beacon Show. (BB)
WDAF MO, Kansas City w/mx o/u CKTB 0143 11/23. (DSS)
CKTB ONT, Ste-Catherines w/sports 0150 11/23. (DSS)
- 660 WESC SC, Greenville u/WNBC w/ID 1628 11/29. (DF)
- 680 WRKO MASS, Boston probably my most wanted stn finally hrd 0034 12/6 w/rr. Good o/WPTF & CHFI. I guess persistence pays off! (JJ) Most wanted eh? They're my most unwanted! -MD
- 730 WACE MASS, Chicopee vy strong w/CBS pgmmg til 1617 s/off 12/3. (JJ)
WPIT PA, Pittsburgh good w/religion until 1634 tune-out 12/3. (JJ)
- 740 WBAM ALA, Birmingham local-like level on ET-rr/tt 0111 12/6. CBL had just signed off. ET lasted until way after 0200. (JJ)
KRMG OKLA, Tulsa; thought I hrd someone signing off way u/WBAM ET 0200. Close observation of recording reveals KRMG calls very clearly. It would be nice if they have a DA away from here. Do they? (JJ) According to Big George, they are directional East/West with nulls protecting KTRH & CBL; so I guess they do. - MD
- 750 WPDX WVA, Clarksburg local level with a thousand spots infrequently interspaced w/C&W 1609 12/2. CBL slop. (JJ)
- 780 WBBM ILL, Chicago amazing signal 1400 11/28, louder than WABC! (QB)
- 850 KOA COLO, Denver w/nx preceded by soft mx at 0400 11/30. (RAB)
WEEU PA, Reading w/AIR nx at 1730 11/29. (RAB)
WYDE ALA, Birmingham good at 1734 until power cut @ 1744 11/27. (JPL)
- 860 WLBG SC, Laurens good s/off 1730 11/27; CJBC usually impenetrable at SSS. (DF)
- 870 WFLO VA, Farmville faded in @ 1653 while listening to WHCU; s/off at 1659 on 11/28. (JPL)
- 910 KAMD ARK, Camden in w/C&W 0724 11/28. (DF)
- 920 CKNX ONT, Wingham vy good w/MoR til 1644 power/pattern change 12/3. Some CKCY QRM & WBEN-930 slop. (JJ)
- 930 WCNR PA, Bloomsburg s/on ID 0600 11/30, then fade into mess. (DF)
WSLI MISS, Jackson ID 1800 11/26 "WSLI AM & FM, Jackson." (DF)
WLLL VA, Lynchburg ABC nx 1600 11/21. (QKB)
WFMD MD, Frederick w/FB, ads o/WLLL 1610-1630 11/21. (QKB)
- 940 WMAZ GA, Macon vy good 1727 11/28 w/up-tempo MoR. (DF)
WINZ FLA, Miami xlnt w/rr 11/30 0440. (DF)
KIOA IOWA, Des Moines fair w/MoR & rr 0136-0200 s/off 11/30. (JJ)
- 950 WXGI VA, Richmond hrd w/QRM from WPEN weak at 1645 11/30. (JPL)
- 960 KFVS MO, Cape Girardeau xlnt w/r/c-tt 0100- 0115 12/4; QRM from CKWS & WFIR (til 0102 s/off). (JJ)
CFAC ALTA, Calgary atop 0230 12/5 w/"The Twelve Thirty Alberta News" It was 18 below in Calgary! C&W after nx. (MD)
- 970 CKCH QUE, Hull in good w/mx at 0335 11/29. (RAB)
- 980 CHEX/CKGM Ont/Que both in at the same time & only the 2nd time hrd for each; each stn must protect each other & being equi-distant from each, they're rare. (QKB)
- 990 WNRV VA, Narrows fair at s/off 1730 11/28. (DSS)
WANT VA, Richmond good w/nx 1645-47, then lost, 11/30. (DF)

- 1020 WCIL ILL, Carbondale w/WPEO/KDKA 1705 11/28 end of nx. (DF)
 1060 WNOE LA, New Orleans w/mx til power cut 1755 11/11. (TY)
 1070 WNCT NC, Greencille w/nx fair at 1650 11/11. (TY) Hrd w/ET at
 0017-0025 11/23. (JPL)
 CHOK ONT, Sarnia in strong at 1645 w/instr mx & IDs 12/5. (KL)
 1080 WEEP PA, Pittsburgh hrd 12/5 1658 w/C&W; s/off 1700, strong over
 WTIC. (KL)
 1090 CHRS QUE, St Jean 0705 11/30; listed in BYB under freq's, but not
 under cities. Canadian DXers: pse supply more info on this
 stn & CJRC. (DF)
 1110 KFAB NEBR, Omaha hrd most nights u/WBT when cx are fair to the
 west; hrd well 12/5 w/WBT at 0000. (JPL) 11/30 2128 w/ID
 u/WBT after mx. (BB)
 1130 KWKH LA, Shreveport 11/26 1735; still don't have the nearest one
 (aside from WCAR) which is WISN. (DF)
 1140 CBI NS, Sydney 11/30 2130 w/ID u/WRVA which was quite strong. (BB)
 1150 CJRC ONT, Ottawa in FF, same problem as CHRS; hrd 11/30 0531 vy
 good; QKB: more info needed. (DF)
 1160 KSL UTAH, Salt Lake City 2341 11/28 rough u/WWVA splash w/hockey
 game. (BB)
 1210 WAVI OHIO, Dayton #55 from Ohio, 11/30 0659, MoR, C&W, etc. (DF)
 1220 CKSM QUE, Shawinigan Falls s/off 0100 o/u WGAR 11/28. (RAB)
 1260 WCHV VA, Charlottesville vy poor w/Avis. ad 1710 11/28, then sports
 nx until buried u/WNDR at 1715. (JJ)
 1270 WHLD NY, Niagara Falls s/off at 1700 o/WADO slop 11/29. (RAB)
 CJCB NS, Sydney, LMA: tnx for tip, 0457 11/30 u/WXYZ OC. (DF)
 1280 WHVR PA, Hanover fair u/o WADO & WLEE spur 11/29 1805. (DSS)
 1290 WHIO OHIO, Dayton 12/1 2032 w/BKB, rarely hrd. (BB)
 1320 WHIE GA, Griffin hrd w/PoP test 0047- 0120 w/phone calls on 11/28.
 (JPL)
 1330 WMLT GA, Dublin hrd but poor @ 1843 11/11. (TY)
 1340 WHAT PA, Philadelphia a complete surprise well atop w/ad for auto
 show 12/1 1950. (DSS)
 1350 CKLB ONT, Oshawa hrd fair @ 1616 on 12/4. (JPL)
 1360 WBAY WISC, Green Bay fair 1727 w/MoR to 1734 fade out. (JJ)
 1380 CKLC ONT, Kingston AN now with "nightcap." This is the Canadian
 stn that has CBS nx! (QKB)
 WLCY FLA, St Pete good w/Jesus Christ Superstar album 0000-0100
 s/off. (DSS)
 1390 ???? S/off w/Oh Canada 0000 11/30; CHOO? (DSS)
 WEOK NY, Poughkeepsie s/on fair 0400 11/21. (TJY)
 1420 WBSM MASS, New Bedford w/ID o/mess 0025 11/30. (DSS)
 1430 WHER TENN, Memphis at 1800 11/30 s/off w/WIRE nulled. (FDP)
 1440 KDNT TEX, Denton at 1815 11/18 w/WHIS nulled. (FDP)
 KPUR TEX, Amarillo hrd well w/r/c on 11/23 @ 0118-0120. (JPL)
 WHIS WVA, Bluefield weak at s/off o/u WAAB 0006 11/30. (RAB)
 WHHY ALA, Montgomery in fairly well w/mx 0315 11/30. (RAB)
 1470 WBIG NC, Greensboro HI fair 0055 11/27. (RAB)
 WNAU MISS, New Albany at 1830 11/25 in briefly o/WOHO/WMBD. (FDP)
 1480 WTLO KY, Somerset at 1735 11/26 w/local WCIN nulled. (FDP)
 WMQM TENN, Memphis at 1750 11/26 w/local WCIN nulled. (FDP)
 WLEE VA, Richmond w/mx pretty good 0325 11/28. (RAB)
 WAME NC, Charlotte w/C&W mx fair @ 1915 11/11. (TY)
 1500 KSTP MINN, Minneapolis in strong at 1715 on 11/30 w/ad for Sears.
 (KL)
 1550 WSHN MICH, Fremont hrd 12/5 at 0115-0130 w/f/c-tt per list. Xlnt
 strength, gave time w/IDs. (KL) R/c hrd 0121-0130 s/off
 12/5; lengthy IDs. (MD)
 WSER MD, Elkton good w/s/off 1645 11/28. WKBA QRM. (JJ)

- 1550 WKBA VA, Vinton good w/religious C&W 1655 11/28. (JJ)
 WNTN MASS, Newton nrd vy well w/ET @ 0051 on 11/30. (JPL)
 KGMO MO, Cape Girardeau hrd w/r/c on 11/30 w/hvy QRM from WNTN ET
 & CBE until their s/off. Hrd @ 0101 to ? weak. (JPL)
 WOKJ MISS, Jackson w/mx fair @ 0130 11/1. (TY)
 KKJO MO, St Joseph good til s/off @ 0200 11/1. (TY)
 WSAO MISS, Senatobia r/c per list vy poor u/WPTR slop 0207 11/27.
 (Robert Berger, N.Y.)
- 1560 KWCO OKLA, Chikasha at 1820 11/25 on top of freq for 10 min.(FDP)
- 1570 WCRL ALA, Oneonta at 1740 11/23. (FDP)
- 1580 WILA VA, Danville at 0700 11/30 s/on. (FDP)
 WCRV NJ, Washington DX TEST vy weak 0031 11/27. (RAB) DX TEST
 weak w/QRM from CBJ. Test consisted of march mx & TTs.
 Hrd here much better in the day. (JPL) After telling the
 CE I'd never be able to hear WCRV if it wasn't for the DX,
 what comes in the very next day? WCRV! Poor 1632 o/u WPGC
 & CBJ 11/28. (JJ) Hrd on DX TEST 11/27 0001 w/stn address,
 fairly weak. (DF) Fair to good on DX o/WLEE spur w/IDs,
 march mx, TT, code phrase. Good test. (DSS)
- WPGC MD, Morningside fair w/WPGC Sound-Off 1632 11/28. (JJ)
- 1590 WTBY CONN, Waterbury fair o/WAKR 11/29 2130. When did they change
 their call from WBRY? (DSS) I believe Sept. 1967. - MD
- WWUN MISS, Jackson at 1810 11/24 finally hrd after trying for
 several years. (FDP)
- WGOE VA, Richmond hrd w/ET @ 0046 to 0115 on 11/23, a 4th MM. I
 also hrd them testing the 4th MM of Sept. (JPL)
- KYOK TEXAS, Houston marked the end of good Texas cx, 1825 11/25
 w/rr-R&B type pgmmng. Wiped out WAKR. (DF)

CONTRIBUTORS:

- (BB) Bruce Bennett - 82 Norman Lane - Levittown, N.Y. 11756
 (RAB) Robert Berger, Langmuir College, Rm A304, SUNY, Stony Brook, N.Y.
 (QKB) Quentin K. Brown - 59 Kenilworth St. - Ottawa 3, Ontario
 (DF) Dave Faulkner - 1430 Pine Grove Ave - Port Huron, Mich. 48060
 (JJ) Jim Jankowski - 11 Meadowbrook Terrace - Corfu, New York 14036
 (JPL) John P. Lombardo - 23 Grove Terrace - Irvington, N.J. 07111
 (KL) Ken Lyon - 9415 Goodrich Rd. - Clarence Center, N.Y. 14032
 (FDP) Fred D. Precht1 - 6128 Glade Ave. - Cincinnati, Ohio 45230
 (DSS) David Singer - 5501 Old Richmond Ave - Richmond, Virginia 23226
 (TY) Thomas J. Yingling - 221 Pinewood Rd. - Baltimore, Md. 21222

Jim Jankowski - Corfu, New York 14036

The TRF is definitely showing its merits and actually proves to be a great receiver. While comparing one rx to the other on stations such as WPDx-750, which was local-like on the TRF, was only fair on the GE. The same with WKBA-1550 & WBAM-740. Other tests show that stns in with fair strength on the TRF are either vy poor or inaudible on the GE. Still, more tests need to be run. Is KRMG a common catch on the EC? (During good cx, yes. - MD) The KOAM test was not hrd 12/6. They must have been using their DA. Recent varies: v/f WCRV-DX, WBRC-960 v/1 WSAO-1550, WMNS-1360 WKAZ-950, WCAZ-990, WLEE-1480, WVOV-1000, & WPGC-1580 which sent half of Washington and wasted their own postage. Along with the v/1, they sent an AM & FM CM, personality profiles of their DJs, a reprint from Broadcasting, Pulse ratings, and more. No wonder they call themselves the "Good Guys." Also, v/r WGNy-1220. (Thanks very much for the WMMB details & congrats on a great catch! -MD)

 Please note that IRCA will mail an issue each and every week; no holidays taken. So it is important you report regularly; let's not have "Holiday Blues". -DEE

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

EGAD! Now Have 691 stns, 367 of which came this year. MD- remember back when Brh had gotten 60 stns in 3 mos & asked you if this was good, fair, or poor. Well, I got 59 stns in the month of November alone. Is this good, fair, or poor? (I'd say that's excellent. - MD) Latest foreign: HJBI-840 11/30 0402 all alone. Should have had long ago. Two lucky breaks netted me two new stns, WATH & WSLI (see DXR) & I almost had three, 11/30, 1714 when CKJD went off the air during pattern change trouble. I'm 99% sure I hrd WXOX w/C&W but since I didn't get an ID I won't count them. I do know, however, that it signed off at 1715, right when WXOX is supposed to sign off. WSMA-1590 has been signing off at 1700, 15 minutes before it has to, which has led to much interest in the high 1500s. Oh by the way, Nov., with its 59 stns, is now my biggest month ever. It is also the month during which I have spent the most time DXing, w/SS being prime time. 73s.

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

I, too, must add my endorsement to PSL for stand-by publisher. I feel that with his obvious concern for the welfare of the club, he would be perfect for the job, and I hope that he volunteers soon. Now to DX: cx have been fairly good, if you ignore the thunderstorms on Sunday, hi! My Realistic TRF keeps pulling them in; details in DXR. My only complaint is that it can't separate the splits. Veries: XELO & WILA v/q; v/f WKLX. Every time WKLX (ex-WCVU ex-WAVY) changes its call, it gets stronger to get, hi! Do the following verify: XEVIP WSGA WAUG KSYL WRNG WRFD? They've all been out better than 1 month. I would appreciate it if other Va members would check 1250 and 1545 for spurs; there is a distorted signal of theirs on both frequencies, which they deny putting out, of course. 73, Richmond in '71, & GO SQUIRES!

John P. Lombardo - 23 Grove Terrace - Irvington, New Jersey 07111

Most interesting DX catch here of late was the WHIE PoP test on 11/28. There signal was on the weak side w/hvy QRM from WVOJ in Fla and others. They were asking for reports and non collect phone calls. I couldn't hear the names of some of the others that called in because the signal was too weak. They confirmed my report and said I was the farthest one to call that night. I have swapped locals with DA Cunningham with cassettes and I have found it to be very interesting. If anyone would like to correspond or swap locals by cassettes, please do so. Recent veries are WMMW WBAY WIP WGTO WIBC KPUR WFIL & WHIE. WIP sent a very nice v/q. I guess that's it so 73s and MERRY CHRISTMAS!!!

Tom McCormack - 275 Littleton St. - West Lafayette, Ind. 47906

Greetings, 357 points now in the Domestic DXC & only a small 64 points in CL's DXC. Here is my most recent DX here: (rpts sent) WSIP-1490 KULF-790 WDEV-550 (will be my 50th state vfd), WMGO-1370 WAMB-1190 (#96 logged from Tennessee, my best state), WISK-1390 WSRF-1580 KFDI-1070 KKDA-730 KBAT-680 KILT-610 WCBI-550 KTER-1570 KMAC-630 KNED-1150 KTLW-920 WDMG-860 WDDT-900 KJLT-970 KNDY-1570 KUSH-1600 WBAB-1440 WAXU-1580 WFVL-1220 WDIA-1070 KSUD-730 WYGO-1330 WWOD-1390 WOLD-1330 WPIK-730 WFMW-730 CFRN-1260 & WJEM-1150. 704 veries here, and rpts are going out as fast as I can type them up. Here are my most recent veries: v/f KXLF-1370 (6th Montana verie), & WLOF-950 (#32 from Fla). v/q WRIT-1340 (1966 IRCA convention card), & KBIG-740; v/1 KROC-1340 KBBB-1600 KOVO-960 KBRL-1300 KNOP-1410 (20th Nebraska verie), WLAQ-1410 KALE-960 WESY-1580 WRAD-1460 KKIS-990 KNEA-970 WJBO-1150 WDAL-1330 KGPC-1340 & KLOE-730. Also, WING QSL, wow. 73s & good DX from Hoosierland. (To Tom & everyone else: please do not submit long lists of stns under "reports sent to" as I feel it is an irrelevant category. If you get a verie, OK. But listing stns merely because you have sent reports to them is pointless, aside from its ego-tripping value - MD)

Ron Coleman - 24 Prince Phillip Dr. - Virginia Beach, Va. 23452

Now I can settle down to some DXing. I just got out of the Navy after over four years, and it feels funny to be a civilian. I want to add my support for DEE for the great job he has done over the years. I have known Don since 64, and I don't think anyone can match all the work and time he has put into the club. Recent veries are: v/1 WCCR WBTS WFTR WGAI WBML WVOJ WKYB WAFI KRMG WBSC WSAR CJNR WGOK WADO WNAK v/c WBIR WPUV WFBR WIFE WVKO WMAK WYRE WILK. Also WGEZ WMPM WRAK WCEP WANN WHMC WAYE WLEX WFAX WTVR WSAI WBOC WESR WRGM WCFL WWGP. My rx is an old military type receiver RBM 200-2000 kHz in 4 bands, and I have a 50' longwire running almost east to west. I better wish everyone a Merry Christmas and a Happy New Year now, 73s & San Diego in 71.

Raymond Arruda - 6 Wilbur Avenue - No. Dartmouth, Mass.

The new kick here is collecting foreign beer bottles. CBX was recently logged here for Province #8. Veries are in from CBI & WVLC. WVLC sent a bumper sticker along with a card and letter, which was quite nice of them since I only asked for a card. Still waiting to hear from WAIT & WOSU. Have sent them reports twice in the past two years and received nothing. I have one rpt out to local WSAR. 73 & a Happy New Year of better DX than the year before.

Thomas J. Yingling - 221 Pinewood Rd. - Baltimore, MD 21222

Hi all. DX is getting to be too much, with at least one new one a night. Veries: WMAZ WLIX WYDE WNOE WOSU WHIO WKNR WCED WOKJ KKJO WIRE WSER WBAM KRMG WLOF WRAA WKLX WABC & VOA on 964kHz. I just joined WLFDA because of my TV DX. I'm glad to see Maryland is getting new members, my friend will join soon too, so watch out. I just finally got my 200th verie on BCB after two years at the thing, with alot more to hear. I missed the KOAM DX TEST, I forgot all about it. CU later.

Fred Prechtl - 6128 Glade Ave - Cincinnati, Ohio 45230

Perhaps I griped a little too soon in my last rpt. about not getting any verie returns, because the next day 3 of them came back. WADA WMNC & KXLW. The following veries also came in later: KELI KDNT & KNED, all ppc's. Totals now 1124/704. States 43/41, Canada 66/43, provinces 7/6, countries 11/5. 73s.

Quentin K. Brown - 59 Kenilworth St. - Ottawa 3, Ontario

Greetings: That horizontal antenna note in the DXWW is interesting, would make an awful lot of sense for gystns. Two veries this week: XERPM-660, a very nice card & WKER-1500 a green card signed by Don Lawshe, CE. Keeps my 100% return from New Jersey intact, now 8 for 8. The pattern maps sound like an excellent idea! Points in the DXC: 190; in the call contest: 25. 73's.

Robert Friedrich, 163-35 19th Ave, Whitestone, N.Y. 11357

DX has been picking up lately. I hrd my first TA on Nov 16. It was the BBC, they were coming in with a beautiful signal on 1088. Latest catches are: WHSC-1450, WKLX-1350, WNOX-990, WNJH-1580 r/c, WGNE-1480, also on r/c; I called them up but I don't think they believed I was calling from N.Y. WELA-1530, is this a new stn? (Yes. - MD) WDAK-540, WCMS-1050 r/c, XEX-730, WwDC-1260, WAMO-860 E/T, WHDH-850, WAMB-1190 Donnelson, Tenn; this is a new stn not on RS but conducting E/T. Latest veries: WNJH WPRW v/ppc, WELI WKBN WMAK v/q. Also hrd WSAO-1550 Miss on their r/c for the second time. I called them up and the CE said he will gladly verify rpts. For anyone who needs this state this should be an easy catch, as they always come in with a good signal up here. To Steve Howe, Neil Bartlett, DEE, Gary Munn, I have your letters and will be answering soon; sorry for the long delay. 73.

Marc DeLorenzo - Boston, Mass.

Effective the 1/2/71 issue, all reports should be sent to me at: 35 Sylvan Drive, Hyannis, Mass. 02601. Why? Well, it's a long & scandalous story. For details, write to Efram Glotz in Madawan.

Editor: Richard C. Evans

Deadline: Thursdays.

P. O. Box 2146, Chicago Avenue Station, East Chicago, Indiana 46312

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540 KWMT IA Fort Dodge, good w/nx & s/off anmt no SSB 1745 12/4

550 KFYZ ND Bismarck, strong 2345 12/4 w/RR, K-Fire ID's //(AWO)
in KSD null. No sign of WSAU, usually around at this
time. (GDD)

570 WAAX AL Gadsden, good w/RR & slop from WIND, 0035 11/28 (AWO)
Fair w/RR mx 2253 11/7, WIND slop (SM)

WFAA TX Dallas, fair w/RR 0150 11/26 (AWO)

580 WCHS WV Charleston, fair w/MoR mx, 0608 11/28. What is sked?
(SM) 1968 NRC log says "U-2, 0500-0215". 1970 log
doesn't say at all--rce

590 WRTH IL Wood River, fair w/editorial 1745 12/2 (AWO)

WJMS MI Ironwood, good w/Jim Mafio & RR 1740 12/2 (AWO)

600 KSJB ND Jamestown, Acid rock, promos for Million \$ week-end
2350 12/4, many SID's. WMT on but barely audible (GDD)

WREC TN Memphis, poor u/WMT 2040 12/1 (AWO)

620 WSUN FL St. Petersburg, good w/,oR mx 0408 11/26, reg. here (SM)

630 WLAP KY Lexington, fair w/RR mx 2235 11/17, no KXOK (SM)

KDWB MN S. St. Paul, fair w/RR SRS 0545, dominant sigs o/CKRC
& KHOW. WTMJ off (GDD)

KXOK MO St. Louis, 0049 11/30 good w/POP mx (RK)

640 WOI IA Ames, good w/classical mx 1520 11/29 (AWO)

680 WPTF NC Raleigh, good w/sports 1844 11/26 (AWO) (AWO)*

710 WDSM WI Superior, good but fady w/NBC nx & sports 1707 11/29*

750 KMMJ NE Grand Island, good even at 2000. It's best around 1700
12/4 (JAM)

810 CHQR ABTA Calgary, good KBHB, which is hrd here all day. NX at
1100 w/spot for Junior Safeway. In here til around
1200. Local SR here 0744 CST 11/6 (JAM)

820 WAIT IL Chicago, exceptionally good at 1745 w/MoR mixing later
w/WBAP & another unid stn 12/3 (JAM)

830 KBOA MO Kennett, good w/mx, The Space Story at 1735 s/off 1745
No SSB 11/30 (JAM)

870 WKAR MI East Lansing, good; ending the 6th lecture in "Common
Sense in Politics", s/off 1700 no SSB 12/2 (JAM)

880 WRFD OH Worthington, fair, w/mx, nx, wx 1652 11/30 (JAM)

900 CHML ONT Hamilton, good w/spot 0135 11/30 (AWO)

910 KLCN AR Blytheville, good just heard last part of s/off anmt
1800 12/2 w/SSB (JAM)

WSUI IA Iowa City, good w/MoR, nx 1800 12/3 "Voice of State
U. of Iowa" ID's, hence calls. No sign of usually
dominant KCMD (GDD)

940 KIOA IA Des Moines, fair w/RR 0235 11/27 (AWO)

960 KMA IA Shenandoah, good w/spot 1750 12/2 (AWO)

KLTF MN Little Falls, again hrd on SSS 1710 12/7 but poor
sig u/WSBT MoR pgmmng; v/l, CM rcvd (GDD)

970 KSYL LA Alexandria, f/c hrd 11/23 0107-0120 w/TT, not last
of month as on f/c list (SM)

KAKC OK Tulsa, weak w/RR mx, 0151 11/23 (SM)

1050 WHN NY New York, fair w/MoR 0239 11/29 (AWO)

1120**WWOL**NY Buffalo, good w/IRCA special w/traces of KMOX ET
0302 12/7 (AWO) Excellent w/special, good music, very
clear, although echo chamber effect noted at times,
mentioned phone calls from S.C. and Denver as well
as mine from the Chicago area (rce)

1130 WISN WI Milwaukee, 1432 12/1 exc. w/mx (RK)

1140 KSOO SD Sioux Falls, good w/MoR 1727 12/6 (AWO)

PLEASE NOTE MY NEW ADDRESS AND USE IT. THE MAN SOUNDED AS THOUGH THE
PHRASE "CHICAGO AVENUE STATION" MUST BE INCLUDED WHEN WRITING. EAST
CHICAGO ONLY HAS ONE ZIP CODE, BUT THREE P.O. BRANCHES!

EDITOR: RICHARD C. EVANS

DEADLINES: THURSDAYS.

P. O. BOX 2146, CHICAGO AVENUE STATION, EAST CHICAGO, INDIANA 46312

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- 1150 CKX MAN Brandon, fair w/RR 0212 12/7 (AWO) Good w/MoR, wx, 2315 12/4 dominant, vy strong for lkw power. Promo for new % of Canadian mx played; barely a trace of WIMA. Reported (GDD)
- 1240 WKDA TN Nashville, good u/Chicago 0231 12/7 w/C&W mx (AWO)
- 1310 WDOD TN Chattanooga, fair w/C&W.mx 11/24 2010 (AWO)
- 1320 WKAN IL Kankakee, 1403 11/30 fair w/nx (RK)
- 1330 WFBC SC Greenville, weak s/on w/SSB 0501 11/26 (SM)
- 1340 ???? ?? Unid, s/off 1900 w/SSB. Call letters begin w/K. Annchr mentioned Nebraska 11/29 (JAM)
- 1360 KFFA AR Helena, good w/ftbl 2131 11/14 (SM)
- KRY5 TX Corpus Christi, weak 0438 w/RR mx 11/26 (SM)
- WBAY WI Green Bay, poor w/C&W mx 0016 11/28 (AWO)
- 1370 KWRT MO Booneville, good w/sports 1746 11/24 (AWO)
- 1400 WDUZ WI Green Bay, briefly in w/ID, spots for Green Bay area, 0555 12/6, o/many others, Fair sigs (GDD)
- 1410 KCLO KS Leavenworth, good w/s/off anmt. No SSB 1800 12/5 (AWO)
- 1420 KXOW AR Hot Springs, good w/sports 1807 11/24 (AWO)
- 1430 KELI OK Tulsa, weak w/RR mx 0158 11/26 WIRE QRM (SM) good w/RR 0115 11/26 (AWO)
- 1440 WBCM MI Bay City, good w/MoR 2007 12/1 (AWO)
- 1480 WJBN IL Jerseyville, believed the one w/ s/on 0600 12/6 fair in WGSB ull; mentioned FM affiliate and Jerseyville
- WHBC OH Canton, fair w/nx 0005 11/28 (AWO) //(GDD)
- 1500 WAKE IN Valparaiso, poor w/RR 1731 11/27 (AWO)
- 1508 ???? ?? Unid Acid rocker good u/WLAC 2020 12/1 CJRS?(AWO) more likely WMEX--rce
- 1510 KGA WA Spokane, fair o/KDKO for 16 minutes, ABC nx 0900. Tnx to Eric Tibbatts for telling me about it 12/2 (JAM)
- 1540 WSMI IL Litchfield, good w/Plymouth spot 1741 11/26 (AWO)
- 1550 WAAY AL Huntsville fair w/RR 0220 11/26 (AWO)
- **WMOL**IN Robertsdale, good w/ET 0204-0230 12/5 (AWO)
- KRG0 UT Salt Lake City, good, noted as early as 1700, s/off at 1930 No SSB 11/27 (JAM)
- 1560 KRCB IA Council Bluffs, real good signal for this time of day just made it over the static 1630 11/29 (JAM) Fair w.nx, sports, wx, 1725 12/6 just after s/off of my local stations (rce)
- WCNW OH Fairfield, good w/C&W mx 1720 11/26 (AWO)
- 1580 WCRV NJ Washington, poor to fair w/IRCA special 0015 11/27(AWO)
- 1600 WARU IN Peru, s/on 0600 SM 12/6, non-vocal SSE. Very strong, way o/WWRL and other assorted 0600 s/ons (GDD)
- WWRL NY New York, very good w/RR, local spots for NYC area, 0558 12/6, dominant until WARU s/on at 0600 (GDD)
- **????*?? Unid TT 0217-0223 12/7, could it be KVIO r/c (AWO)

REGULAR CHECKS PER IRCA F/C LIST:

- 1st TUE: KWRF- 860 AR (AWO) 2nd SAT: WCCR-1580 IL (SM)
- KVOL-1330 LA (AWO) KBRB-1400 NE (JAM)
- 1st SAT: WSHN-1550 MI (AWO) 4th FRI: WSAO-1550 MS (SM)(AWO)
- WIRV-1550 KY (AWO) KGVL-1400 TX (AWO)
- 1st SUN: KCII-1380 IA (AWO) 4th SAT: WPTN-1550 TN (SM)
- 2nd MON: WELI- 960 CT (SM) WABD-1370 KY (SM)
- 4th THU: WCMT-1410 TN (SM) KWEW-1480 NM (SM)
- 30th of the Month: KGMO-1550 MO (AWO)
- UPCOMING DEADLINES: 12/17 12/23 (WED) 12/31

EDITOR: RICHARD C. EVANS

DEADLINES: Thursdays.

P. O. Box 2146, Chicago Avenue Station, East Chicago, Indiana 46312

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A TIP OF THE HAT THIS WEEK TO:

GDD - GARY D. DeBOCK, AdCom, NTC, Great Lakes, Illinois 60088
 rce - RICK EVANS, Box 2146, Chicago Ave. Stn., East Chicago, Ind 46312
 RK - ROBERT KRAMER, 3406 W. Pierce, Chicago, Illinois 60651
 JAM - JOE A. MARKEWICZ, 1394 Elgin Avenue W., Winnipeg 3, Manitoba
 SM - STEPHEN MILLAY, 550 Swain Avenue, Elmhurst, Illinois 60126
 AWO - ALLEN W. OGRIZOVICH, 2429 Schrage, Whiting, Indiana 46394

Rick Evans - 4940 Baring Ave., East Chicago, Ind. (no mail here)

Should be moving on 12/12 with the help of my parents. A check of the map shows I am going northwest some 28,000 feet, about five miles. No need then to start the logs over again. Will be interesting to see if a second floor apartment makes a difference over a basement pad. It does at my Dad's place. v/l WKCT WCRV v/r WJFC v/c WCBM KNBR WELO WING. Totals here now 1129/610. Time for bed, so DEE, don't say I never leave you enough space! See you in seven days. 73-----

NEW RADIO NETWORK As earlier predicted by radio tradepeople, a new "underground" or "alternative" radio network will soon be a reality. The FIFTH ESTATE RADIO NETWORK will provide sixteen newscasts a day for contemporary and underground stations, beginning early next year. Feb. 1, when operations begin, 12 Calif. stns will be on the line. Full national operation should commence by Sept. Programs will consist of hard news, interspersed with topical satire and music. Anchormen will include former ABC-TV host Les Crane. FIFTH ESTATE's network studios are located in Los Angeles. -via Dave Alpert, source unknown.

PRIVATE CANADIAN RADIO NET OKAYED The Canadian R-TV Commission has okayed formation of the first privately owned radio network in Canada. Though there are many private stns, only the public-owned CBC is permitted to operate networks--FF and EE language ones. It has TV opposition, though, in independent CTV. The license won't be granted, however, till the US-controlled Famous Players Canadian (51% owned by Gulf and Western-controlled Paramount Pictures) has sold all but 20% of its 50% slice of Television de Quebec, which plans the new network. It will have only three stations at first---but they'll include one in Montreal and another in Quebec City; the third is in fair-sized Chicoutimi, Quebec.
Variety via Dave Alpert

RADIO BEAM HEATS SKY HIGH OVER COLORADO San Francisco (UPI) - A high power radio beam aimed at the Colo. sky has heated up a portion of the upper atmosphere 185 miles above the earth, a government scientist reported 11/30. Dr. William F. Utlaut, deputy director of the Commerce Dept's Inst. of Telecommunication Sciences at Boulder, Colo., said the 2 million watt beam raised temp's by 30% over 2700 square miles of the ionosphere. He said the skywarming experiments, started last April, caused some odd changes in the upper sky. The heated zone expanded like a 60-mile wide bubble and emitted more infrared light than usual while radio echoes from the bubble became unusually fuzzy. The ionosphere is a region of spare, electrically charged air molecules which begins 30 miles above the earth and merges indefinitely with space. At 185m, radiation from the sun strips electrons from the sparsely scattered air molecules. The resulting ionized gases form a thin shell around the earth that reflect low-frequency radio waves and make round-the-world communications possible. Utlaut said the effects of heating the ionosphere quickly dissipate after the transmitter north of Boulder is turned off. It is used only for brief intervals, he said.

-Rocky Mountain News 12/6/70, via Larry B. Godwin

REMEMBER TO ALWAYS INCLUDE RETURN POSTAGE WITH RECEPTION REPORTS. IT'S A COURTESY IN ALL CASES AND A MUST IN MANY.

GLENN HAUSER - 1312 West Oak Avenue - Enid, Oklahoma 73701

Yup, no more reports from Thailand; Uncle Sam has decided to ship me to Georgia. Meanwhile my home address is in effect. Once settled I hope to contribute to the anemic east coast section of DXWW. I'm with Ron Shatz on collecting QSLs being pretty much a waste of time--it certainly isn't necessary to write for veries to be a "true DXer" as Credo Bisquera self-effacingly alleges in WCDXF 14/11.... Indeed a case can be made for not sending reports and consequently having more time to devote to DX listening itself. QSLs can be nice things to collect--certainly more worthwhile than SCs, etc.,--but in my experience that really good verie showing all details, enthusiasm for the report, and an understanding of basic propagation is too rare to justify sending reports. As for "proof"--nothing can beat a tape recording. Since I'm about to move into ECDXF territory, I'd like to bring up a point I'm surprised not to have seen raised before: DXF editors using pica type (bigger than LDB's which is elite), cannot possibly get as much information into 15 lines as with elite. To be fair, the limit should be 17 lines of pica type! The guidelines should adjust for this. 73 de Glenn.

GARY D. DeBOCK - AdCom, NTC - Great Lakes, Illinois 60088

Greetings. SSS DX has been extremely ludicrous lately, with daytime patterns hrd from West Virginia to Colorado. A couple of excerpts from recent SSS veries: WJRD-1150..."Your programming details are correct in every way. It is always gratifying for a former DXer like myself to respond to a letter such as yours; you do an invaluable service to the broadcasting industry". (CE Bill Folts) And from WKAZ-950: "With the signal that WKAZ puts out, we are accustomed to receiving reception reports from all over the U. S.; however, rarely do we receive one in depth, as in the case of yours". (GM H. Guenther) Such veries are good for the ego, hi. Domestic contest pts at 247, with rpts out to KWAT-950 KLTF-960 & KLMR-920. Totals 370/62, 40/25 states, 11/1 cty. Best verie so far is KTAR-620, most wanted stn is KJR-950. 73's.

ERNEST J. WESOLOWSKI - 1416 Pasadena Avenue - Omaha, Nebraska 68107

11/26/70---I want to correct a statement concerning my Forum Report issue 8, 11/21/70. Sometime last spring I made a trip including a visit around the Holdrege & Lexington, Nebr. area. I was told by two unknown area people about KRVN moving to 880 kcs, etc. Although I was in error by waiting so long to pass this along to the club, I now learn that my hear-say information is INCORRECT. I do not know the true status of any committment, if any; the change in frequency, the 50kw transmitter, or money. (Signed) Ernest J. Wesolowski.

RAY NEMEC - 1631 Carol Street - Owners Grove, Illinois 60515

The Nov. 21 issue of MWDXF contained some news by Ernest wesolowski stating that KRVN Lexington, Nebr., is for sale. I wrote to Max Brown, the General Manager, since this is one of my favorite stations. Mr. Brown thought that perhaps some confusion came about because KRVN is selling KEYR Terrytown-Scottsbluff. Mr. Brown said, "...KRVN is not for sale, is not in trouble and we moved our 50 kw transmitter from the old transmitter building to the new one on Monday. We're operating our 1010 operation with a 10kw transmitter". Heard here, KLYR-1360 Clarksville, Ark. signing on at 0700 11/15. Also KCRG-1600 (under WMCW) at 10:25 to 10:30 on same date.

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

I have not much to say this week, so I will make it short. I talked to AO for awhile on 12/7. Reports out this week to KXOK & CKOC. v/q WABC v/l WKAN. See you in Hammond.

LYNN D. BROOKS - Box 253 - Ponca City, Oklahoma 74601

The MWDXF section is short this issue as I am having to hold some reports back. I have just returned home from a two week business trip to Los Angeles and Lake Charles, La. Sorry about missing the last issue's section but couldn't do the typing while in L.A. I thought I would be home in time to type a full section but was called by my boss, just 15 min. before leaving motel to go to L.A. Int'l Airport and return home, and told to change flights & go to Lake Charles. So got home late Fri. 12/11 and am typing these on Sat. 12/12. But problem is that I have an abscessed tooth and dentist won't get back to town before Monday. So am in so much pain that I can't type these stencils this weekend. Have to keep an ice pack on jaw almost constantly to relieve pain. Sorry, but things back to normal next issue, I hope. 73

620 CKCK SASK Regina w/poor sig on MM 12-7 0518 w/RR, local spots, and live ID's. (DOC)
660 KPAR ALASKA Fairbanks fair to nothing in fades w/nx and RR 0303-0306 11-30. (RLN)
690 CBU BC Vancouver w/final nx and s/off on 12-6 0314-0319, Vry poor sig u/XETRA. (DOC)
740 KTRH TEX Houston s/on 0600 11-16 into SSB. Nx followed. (BP)
790 KSPD IDAHO Boise ex-KEST w/RR 0940 11-19. (BP)
KGHL MONT Billings on w/f-c 12-7 0245-0300/IRCA list. Good sigs. (DOC)
WPIC PA Sharon vry vry tent log 0417-0423 on 12-7 w/DX test Only one record and it's title hrd. (DOC)
WAKY KY Louisville hrd several calls 0629, 11-30. (RLN)
800 CHAB SASK Moose Jaw hrd briefly 12/7 @0740-0747 w/local wx and a couple of ID's and a TC. Poor sig. w/static and deep fades. (DOC) w/mx and nx hrd 12/7 @0705 (GM)
???? UnID w/TT on 12/7 @0315-0405 w/no break in sig. Solid sig. o/u PJB. Emergency Broadcast Station? (DOC)
860 KSHA ORE Medford, 12/7 0306-0310, f/c NOT on F/C list. TT thru XEMO and CFPR stated power as 1000w (DGC)
900 CHML ONT Hamilton riding unid S-9 OC 11/30 0529 (RLN)
910 KNEW CAL Oakland powerhouse w/ MoR o/KISN 0700 11/16. Local KIXI off for third time in 4 years. (BP)
920 CKWL BC Williams Lake hrd w/ID as "Caribou Radio" 11/3 2025 (BP)
940 KBRE UTAH Cedar City, good sig before KFRE s/on; Happy Day Radio (RLN)
950 WSPA SC Spartanburg, 11/30 @ 0530 w/Breakfast Club nx (RLN)
KATN ID Boise hrd w/Idaho Road Report at 1908 and s/off at 1916 on 12/5. (BB)
970 CJYR ALTA Edson s/off 0300 12/5 sounding more like a tourist promo than a s/ off. And 0800 s/on. (BP)
980 KINS CAL Eureka now a regular. RS is MoR. (BP)
1000 WCFL ILL Chicago s/on w/SSB then into rock, fair, KOMO off! 0600 11/30 (RLN)
1130 CKWX BC Vancouver w/a quite deceptive program on 12/7 @ 0542 0600. Hawaiian mx and announcements of the program coming from Hawaii. Poor sig and fades had me thinking KLEI, tho' NRC Log says KLEI would be off then (DOC)
1230 CJNL BC Merritt, atop w/ID as "The Big NL" 1910 12/2. (BP)
CKQR BC Castlegar atop w/spot for theatre in Trail, 2013 11/3. (BP)
KOCS ORE Coos Bay atop w/local spots 2047 10/28. (BP)
1310 KKGF MT Great Falls w/TT on 12/6 @0355-0418 & ID @ 0415. Strong sig o/u KDIA. (DOC)
KDIA CA Oakland w/MoR mx and 12/6 @0412-0426. (DOC)
1340 KAIN ID Nampa dominant 0130 12/6 w/"Mx till Midnight" Hrd often after s/on but never at this time. (BP)
1350 KRNT IOWA Dis Moines w/MoR atop 9710 11/1 then lost. (BP)
KTOH HAWAII Lihue hrd w/ID "This is Hawaii 13-5-0 KTOH Lihue" @ 0358 followed by news and weather than into rr on 12/6. (BB)
1360 KUIK ORE Hillsboro had an ET most of the AM of 12/6. (BB)
1380 KEZE WASH Spokane w/soft MoR. s/off 1915 w/no stn info, just -its time to "switch the switch" to KEZE FM. (BP)
1370 WWKE FLA Ocala @0650 on 12/7 w/sID & RR (Then KGB started up and splashed ruined the sig. (GM)

1400 ???? UnID Chorale SSB through partly nulled KTNT 0125 12/6. BP
 1420 KTOE MINN Mankatoe apparently AN 12/7 w/MoR & PSA's. (BP)
 1450 KSOL CA San Francisco for log, prior to call change on 12/5
 @ 1620-1641 w/MoR mx. Fair sig. (DOC)
 1470 CFRW MAN Winnipeg potent w/Drake RR 0500 12/7 apparently now
 NSP. (BP)
 1510 ???? UnID w/TT and France's NA on 12/7 @0640-715, but no voice
 announ. or morse code IDs. Strong sig at times, but
 fades--not tone decrease tho'. All types of TT, but
 only one record. (DOC)
 1570 CHLO ONT St. Thomas w.rr 0108-0200 12/3. (BP) hrd w/nx and wx
 then RR at 2358 and way on top of CHUB on 12/4. (BB)
 1580 ???? IND hrd UnID Indiana station w/ET and CW mx at 0132 on
 12/5. Anyone? Ideas? (BB)
 WCLS GA Columbus poor to nothing. 0355 on 11/30. Always
 rock. (RLN)

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THANKS TO:

BB Bill Block, 1036 N.E. 80th, Portland, Oregon 97213
 DGC Dave Christensen, 3434 39th West, Seattle, Wash. 98199
 DOC Mike Hardester, 401 Birchwood Court, Medesto CA 95350
 GM Your Editor
 RLN Robert L. Neal Jr., PO Box 135, Forbestown, CA 95941
 BP Bruce Portzer, 14056 5th Ave. South, Seattle, Wash. 98168

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Gene Allen - 134 Bret Harte Way - Vallejo, CA 94590

Recent daytime DX good with both KSL-1160 and KOA-850 in S-6 at 2:45 PM EST on 11/25. KNGS-620 difficult thru KFRC-610 splatter at 2:40 PM on 11/30. Other loggings of recent date are Colombians on 810, 820. KEWI-1440 @ 0530 on 11/20. 4QD-1550 hrd best ever at 0344 11/23. Have ordered a wave magnet from Joe Worcesto and will get rid of the 4' sq. loop as it's too bulky. Rpts out to KNUI-1310, PJA6-925, HJED-820, HJGY-810 & CJIC-1050 at total cost of \$1.67 (probably down the drain!). Only recent veri in from KHLO-850. Just returned from a seven week auto trip thru the south and "muggy air" Florida to Key West. Didn't do any DXing, but Cuba comes in easy in daytime at Key West on my 8 band Allied portable. 73 and Good DX to all.

Phillip Pytheway - 6635 57th N.E. - Seattle, WA 98115

Hi. It's about time that I made my debut into DXF, along with an intro. I'm a Senior at Roosevelt High School here in Seattle and have been DXing since late 1968. I haven't been doing much DX lately so my totals are rather old. Totals are 172/88 stns, 21/20 states, 3/3 provs. I'm running a Lloyd's 8 band rx with about 130 feet of longwire antenna strung around my house. I also use a loop. Reception has been great lately. Finally broke Hawaii about a month ago. KORL came in beautifully. Sent me a v/l. 73's

Chris Hambly - 47 Chessell St - Box Hill Nth. - Victoria-- Australia 3129

DX has been fair in the last three months since I last reported with two new wountries heard with very good signals (Noume and Singapore). Just a reminder to anyone who might be interested, I swap TV Guides and if anyone would like one from my area pse write. Best of DX to all. 73s

ZIZ

Per last issue flash tip from Alan Merriman (see also this issue for Alan's report of ZIZ in DXWW), ZIZ has moved, at least temporarily, to 585 kHz from 570. And, as of Monday, Dec. 14, they were still on 585 kHz where they were heard by Phil Sullivan in Mass.

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

Bill Hein - 5539 Pattilar Ave. - Woodland Hills, CA 91364

Greetings. I was at the big ERBA/SCECFOSDDX/IRCA/ASWLC meeting in San Diego and it was great! When I first saw Grant Manning's rx I wasn't quite sure what it was. But it sure does work! I saw everybody's fat logbooks and veri collections. I met a lot of very nice people too. I read the famous IRCA "scandal". John Kolb and his ASWLC friends talked me into joining the ASWLC. Verics lately have been: JOBE (v/q), KREX (v/l+CM). The KREX v/l said in part "We are always interested in where our signal is received: those with your hobby have always provided us with accurate and understandable reports." I don't use RFs anymore because I think radio stns are apt to be more responsive towards personal, neat letters. Results prove they are. My letters are longer in length, more friendly, and are worth to me. My offer still stands: my 100+ RFs for your 100 LHs. SCers pse write. I reply fast. Gud DX & HAVE FUN.

Mike "DOC" Hardester - 401 Birchwood Court - Modesto, CA 95350

Only recent verie is from XERF-1570, v/q, with the wrong date--more like the date mailed. Anyone interested who has a BC-221 freq meter, I've found a source for an AC to DC power supply. Will also work for a TS-175 freq meter. Drop me a card if interested. Tnx to QKB for info on my 530 unID--rpt sent. In DXM on 12/5 Richard Eddie rntd an unID on 720 and thought it might be KIQX. One hour and \$3.00 later I found out that it wasn't. In the space of one hr, I called the FCC in San Francisco and Los Angeles, the Las Vegas Chamber of Commerce, and the Las Vegas City Licensing Board. The only productive info found was 1) an application for an AM stn in Las Vegas was filed by a Mr. James B. Francis and Quality Broadcasting Corp., but has not been acted on yet; 2) no freq or call letters have been assigned; 3) no application has been made to the Las Vegas CLB for construction of any studio, xmtr building, or tower by either applicant & there's a three week wait before an application is acted on; and 4) I checked long distance info & city directories for cities LV & LV itself, but there's no listing for either applicant. Veery interesting. 73

Steve Kamp - 6149 Monteverde - San Jose, CA 95120

Thanks to Richard Wood, Don Kenney, and Art Peterson for helping on the Jap(s) on 780. Veries in here: v/q CBXQ-540 Ucluelet, BC; KYAK-650 Anchorage; & KGIL on 1260 in San Fernando. v/l KOAC-550 Corvallis, Oregon. v/r KFAK-660 Fairbank; KAVL-610 Lancaster; KNAK-1280 Salt Lake City. According to my v/q, CBXQ-540 has increased its power to 50 watts from its original 40. New stns here: KDXU-1450, KQIK-1230, KICY-850, JOHC/JOQC-1390, Hamhung, N. Korea-1005, WACO on 1460, KSO-1460. All these hrd MM 12/7. Also took a log on JOBE-830 w/EE lesson that AM. KENO-1460 was off MM 12/7, but KLOK-1170 was on. Had my tape on JOLB returned by NHK--no verie yet tho. Well, 73s, TEXAS#1.

Chuck Albertson - 103 Cedar Crest Ln - Bellvue, WA 98004

Greetings all. DX here has been a real bummer lately. Too much noise (from unknown source) in the evenings, too little time in the morning. Have been trying like crazy to log TGRT, no luck. If Art Peterson's comments on the ferrite loop are accurate, then it is destined to make all other antennas obsolete. But anyone with a box loop, don't worry: BP sez they make spiffy tie racks. Veries have really been slow, so my total points in the contest are 59. To improve my reporting habits, I would appreciate it if some of you dudes could send me a copy of one of your rpts. Seems that I always pick up something new when I look at another DXer's rpts. Latest project is an electronic siren connected to a huge array of speakers; to be sounded whenever an inflation alert is issued. Peace and 73.

Randy Cook - 6433 Don Julio - Long Beach, CA 90815 (4312657)

Greetings. DX picking up lately. I recently picked up a spotless HQ-129X. Anybody who knows any good tips on using it, pse write. I made a 3' version on the NBC loop, w/many changes. I first made it square, but tnx to a tip from Ralph Sanserino, I tilted it into a diamond shape, and Zap! Decent catches include WGY-810, KIKI-830, WKY-930, KMBZ-980, CHML-900, CHUM-1050, CJIC-1050, WVA-1140, WREN-1250, & WKYC-1100. Tnx to Ralph for ride to Grant's bash. I had a great time. Only problem was that everyone was sober. Well, almost everybody! Needless to say, I didn't DX much Saturday nite. Tnx to Grant and John Kolb. How about a column on hints and suggestions. Gud DX!

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), and submit reports on one side of page, preferably typed in order of frequency.

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Listeners' Loggings- East Coast

- 585 ZIZ St. Kitts, Basseterre is now here, logged 12/5 0140-0300 s/off
 Mostly calypso with few announcements, some dedications. BBC World Service news relayed at 0200. Clear ID as ZIZ Radio at 0200 and again at 0255. Good signal at times. A new country for me and very welcome! (AM)
- 625 ??? ?? UnID EE announced on for experimental program; heard 12/5 0620-0628 GMT s/off. Religious program and SS QTH. Address in Portsmouth, Va. given. TT on 625 heard earlier in week. TIRICA with new format? (KGS)
- 1506 1/4 ... Anguilla, Radio Anguilla logged from 0135 GMT tune in 11/30. (CMS)

MidWest

- 575 ??? UnID. My new rectangular loop (47 1/2 x 22 1/2 inches) yielded this SS station for the first time for me, near 0830 GMT 12/7. Presume Costa Rica. (GM)
- 664 TGRT Guatemala, Guatemala still here every night until 0600 s/off. Suspect change from 670 is permanent move to get away from HRN. (GM)
- 724 ??? UnID, soft music station, weak, SE bearing, no announcements between tunes, and doesn't sound especially Latin. 0720-0740 12/8. (GM) (Same as above? Ed)
- 750 HJDK Colombia, Medellin running all over a very weak WSB TM 12/8, near 0800. Another SS station in background must have been Caracas. (GM)
- 764 ... Senegal, Dakar, semi-reliable this fall, has been poor at s/on time 0600. All the TAs much superior a year ago, and early October this year far superior to early December. (GM)
- 765 YSKL El Salvador, San Salvador. The s/off nightly at 0600 uses call-letters, Juh-essie-kah-elly, and is surrounded by a very familiar American-authored "Spanish" type instrumental tune, popular about 30-40 years ago. Can any other listeners recall that song title for me? (GM)
- 820 HJED Colombia, Cali enough volume to drive you right out of the house on MM 12/7 soon after WBAP s/off at 0600. (GM)
- 875 ??? UnID carrier from SE which yields audio only occasionally has been here for weeks at night. Has anyone IDed it? (GM)
- 910 XEAO Mexico, Mexicali, B.C. Only reason I'm listing this is because I first heard it arriving right through our local KPOF on this frequency near 0200 in early November. Announcement is "Nueve A O" and it has become a regular w with KPOF nulled. (GM)
- 1030 ... Solomon Islands, Honiara finally heard MM 12/7 0856-0950. Heard Hawaiian music off and on. At 0900 the announcem said "This is the Solomon Islands Broadcasting Service" then what appeared to be news. No QRN with XEQR looped out; some splash from WHO. Reported. (LBG)
- 1072 ??? UnID on SE bearing between 0130-0200, 12/8, very weak but separate from the Costa Rican at 1075. (GM)
- 1105 XERB Mexico, Tijuana, B.C. noted with distorted signal with religious program and ID 0700 12/7; 1090 was clear. Later noted back on 1090. (LBG)
- 1115 ??? UnID SS noted 0800 MM 12/7. think I heard Colombia mentioned at 0800. This one wasn't AN, though. (LBG)
- 1178 VOA Ryukyu Islands, Okinawa good strength on het which appeared at 1330 12/4. Oriental language heard at 1347, but the het against 1180 seemed to disappear at 1400. This coincided with the arrival of more local images here, so can't judge whether VOA has a unfavorable antenna change at 1400. (GM)
- 1205 ... Sierra Leone, Freetown. Flute notes appear distinctly on two minutes of tape recorded at 0556 12/3. The subsequent announcement at 0558 is unreadable, but the voice is either a male tenor or a female contralto. Not new. (GM)

Randy Seaver agrees wholeheartedly with Frank Waldron's comments in the 12/12 DXM.

1214 ??? Have decided my mystery heard here 20 minutes after London sunrise on 12/1 is not the BBC. But something is here from the NE just before 0800 GMT. Heard it again on 12/3, and I'm sure it signed-off at 0800. (GM)

West Coast

650 KYAK Alaska, Anchorage fair signal over KORL 11/23 0909-0918 with PSA, ID and CW music until 0918 when faded to KORL. (SK)

663 TGRT Guatemala, Guatemala, "La Fabulosa" with MOR music 12/5 0240. Fair signal, much KNBR slop. (SK)

720 ??? UnID SS with talking for a few minutes over WGN, then faded at 0932 12/3. (MCC) (Probably the Cuban, Melville. Ed)

750 ??? UnID SS mixing with WSB and a weak EE station at 0503; at 0505 possible ID, but WSB too strong; at 0506 into a song. 12/3. (MCC) (Probably HJDK and KFQD. Ed)

820 HJED Colombia, Cali heard at 0518 way on top of WBAP on 12/6. (BB)

830 JOBB Japan, Osaka, finally took a log on their EE lesson, 12/7 0922-0954. Strong signal with WCCO looped, but overriding WCCO at times. (SK)

835 ... China Nanchang just a loud het against Belike-834 12/7 1204. (SK)

850 KICY Alaska, Nome mixing with powerful CJJC, with HJKC nulled, 12/7 0830-0900. Had ID, into "Hour of Decision". (SK)

HJKC Colombia, Bogota, "Emisora Nuevo Mundo" dominant over, KICY/CJJC, 12/7 0918 with "CARACOL en la Nueva." Wasx going to take a log, but KTAC ET wiped it out. (SK)

940 HLCR South Korea, Andong 12/7 1115 in KK. Mixed with UnID. (GMA)

942 ??? UnID OC 1033 12/7 MM. (GMA) (From XEGM? Ed)

970 KPUA Hawaii, Hilo. Somehow this one always was overlooked before. Heard with mention of Big Island and TC 0955 12/10 under KCHV and another. (FJP)

1005 ... North Korea, Hamhung weak with OM in KK 12/7 1008. (SK)

1035 4VEF Haiti, Cap Haitien 0153 organ music, weekly program, didn't get the name of program as I thought it was WHO. 0158 EE ID, program might have been on SW as they gave their call letters and frequencies from the 19M band on down to 4VEF, and then possible s/off as not heard anymore. 11/29. (MCC)

1040 ??? UnID SS with songs, weak at 0206 11/29, where was WHO? (MCC) (Probably HJAI. WHO off on MMs now, I think. Ed) (Or is it WWL that's off?)

1108 XERB Mexico, Rosarita, B.C. not audible at all on 1090; only a distorted carrier there 0655 12/7. Back on frequency by 0709. (FJP)

1130 KLEI Hawaii, Honolulu. CKWX was broadcasting a program 12/7 1140-1200, consisting of Hawaiian songs and announcements mentioning that the program was coming from Hawaii. Poor signal and fading had been believing that I had KLEI, tho' NRC log says KLEI off at that time. (DOC) (Could the program have been "Hawaii Calls"? Ed)

1150 XERM Mexico, Mexicali, B.C. blasting in every evening over KIIS with Radio Mexicana IDs and call IDs. e.g., 12/7 0712. Seems to be right on frequency, though, Dan Sheedy. (FJP)

1376 ... Asiatic RSFSR, Vladivostok probably the weak het 12/7 1003. (SK)

1378??? UnID SS with play 1145 12/7. (GMA) (TIMAR? Ed)

1390 JO.. Japan NHK2 synchros //JOB-830 with EE lesson. Weak 12/7 0952. (SK)

1462 HJZU Colombia, Pastos 1127 with LA music and strong het with OC on 1460/ (GMA)

1475 ... Asiatic RSFSR, Khabarovsk strongest ever; like gangbusters 1102 12/7. with presumed opening of KK program. (GMA)

1525 ??? UnID with opera music 1055 12/7. (GMA) (Couple of possibilities--Urumchi, China, or HIJC. Ed)

Verifications

650 KYAK Alaska, Anchorage v/q and folder CM/rate card in 11 days surface. (SK)

660 KPAR Alaska, Fairbanks v/r in 14 days, surface. (SK)

780 ZBVI British Virgin Islands, sent back by prepared card in 3 weeks by airmail. Needed 58¢ postage, not 20¢ which DX Stamp Service gives for V.I. (BH)

870 JOLB JapanNHK returned my tape on 12/7, but no verie in yet. (SK)
 1540 ZNS1 Bahamas, Nassau sent personal letter via air for a registered r/r. Took 84 days. Used my enclosed SASE also, V/s Samuel J. Hepburn, Acting Chief Engineer. P.O. Box 1347.

Reporters

BB Bill Block, Portland, Ore.
 MCC Melville Coffin, P.O. Box 882, Mission City, B.C., Canada
 LBG Larry Godwin, Englewood, Colo.
 BH Bruce Haines, Boulder, Colo.
 DOC Mike Hardester, Modesto, Calif.
 SK Steve Kamp, San Jose, Calif.
 GMa Grant Manning, San Diego, Calif.
 GM Gehe Martin, Denver, Colo.
 AM Alan Merriman, Fairfax, Va.
 FJP Your editor
 KGS Gray Scrimgeour, Toronto, Ont., via land-line from Randy Seaver
 CMS C.M. Stanbury II, Crystal Beach, Ont.

Angola Radio Clube de Ulge has moved from 1115 kHa to 1294 kHz. (DXN/SA via Dave Alpert)

Ceylon Ceylon BC; 640 RHz is 50 kw at Maho; 600 kHz is 50 kW at Weeraketiya; Senkadagala is 10 kW, frequency unknown. All other transmitters are ate Diyagama. (EDXB, via Dave Alpert)

Dominican Republic, La Voz de Fuerzas Armadas has a station at Muca on 1330 kHz with 5 kW. (DXN/SA via Dave Alpert)

Haiti, Radio Nouveau Monde, La Voz d'Haiti, is a new station operating on 910 kHz. (NRX via Dave Alpert)

Mozambique Radio Clube de Mozanbique is on the air daily from 1500-1900 GMT on 872 kHz; power unknown; parallel to 4935 kHz. DXN/SA via Dave Alpert)

Spain Recent frequency changes: La Voz de Leon is now on 1172 kHz. La Voz de Mancha is no on 1550 kHz and Radio Gredos has returned to 1133 kHz. (EBU, via Dave Alpert)

Switzerland SBC Beromunster, 529 kHz is now 250 kW day, 600 kW night. Monte Cener, 557 kHz is now 100 kW, formerly 50. Sottens, 764 kHz is now 250 kW, formerly 150. (EBU, via Dave Alpert)

Oman In the event anyone is confused by the rules governing the new Electronics Illustrated DX Club Tropic of Cancer Award, EI has designated as one area the countries known as "Muscat and Oman" (which includes Masirah Island), and "Federation of Trucial States" (Sharjah, Dubai, etc.). This is partly due to the confused political situation in the area, while another reason is the uncertainty regarding the present and/or past location(s) of Voice of the Coast (Sawt es-Sahil). All of the major evidence regarding this latter station has previously appeared in DXWW, but two recent developments are (1) according to the German ADXN, reports addressed simply to Sawt es-Sahil, Sharjah are being verified by letter, and (2) I note that in the 11/21 issue of DX News, the NRC is now listing Voice of the Coast's location as Dubai rather than Sharjah. (C.M. Stanbury II)

These stencils are being typed on Thursday, 12/10, so that I can get away tomorrow for a meeting in Los Angeles. In case I don't get a chance later, what with the rail strike, I want to wish everyone a Merry Christmas, with plenty of good DX over the Christmas vacation. Temperature today--70° and sunny. By next week I should have a 500' long-wire in operation; hopefully it will bring some good DX. FJP.

SPECIAL FEATURES

Editor: Harry Helms, Jr., Box 111, Clark Howell Hall, University of Georgia,
Athens, Georgia 30601

THE DRAKE MODEL SPR-4 COMMUNICATIONS RECEIVER

--By Percy R. Kesteven

As this receiver is very new (having only been out for about a year) this review of it will be quite extensive.

MANUFACTURER: R.L. Drake Company, 540 Richard Street, Miamisburg, Ohio 45342

PRICE: \$449.00 U.S. for the receiver, \$65.00 for the optional noise blanker, about \$20.00 for the crystal calibrator, \$5.00 for each additional crystal, \$5.00 for the DC Power Cord (for running the rx off the car battery). Other options include a loop antenna, transceive adaptor, and speaker.

CIRCUITRY: All solid state with single and dual gate FET's used throughout the signal path.

FREQUENCY COVERAGE: 150 to 500 kHz and .5 to 30 MHz (latter in 500 kHz bands). One crystal is used for each tuning range.

MODES OF OPERATION: AM, CW, SSB (upper and lower) A product detector is used on SSB, making the tuning of that particular mode easy.

SELECTIVITY: AM - 4.8 kHz @ 6 db, 10 kHz @ 60 db
SSB - 2.4 kHz @ 6 db, 7.2 kHz @ 60 db
CW - .4 kHz @ 6 db, 2.7 kHz @ 60 db
The selectivity is automatically selected for the operator when the mode of operation has been chosen.

INTERMEDIATE FREQUENCIES: Dual conversion on all bands. 1st IF 5645 kHz four pole crystal lattice filter, 2nd IF 50 kHz four pole Hi-Q Ferrite LC filter

FREQUENCY STABILITY: At room temperature, drift for all causes (including $\pm 10\%$ change in line voltage) is less than ± 100 Hz.

SENSITIVITY: SSB and CW: .25 microvolt gives 10 db S+N/N
AM: .5 microvolt with 30% modulation gives 10 db S/N

AUTOMATIC VOLUME CONTROL: AVC on all modes. The attack and decay times are preset for optimum efficiency on each mode and are switched in automatically upon choice of modes. There is no way to cancel the AVC to MVC. Audio output is held constant to 6 db over a 100 db range of input signals

CALIBRATION: Dial is accurate to better than ± 1 kHz when calibrated to nearest 100 kHz calibration point

HUM AND NOISE: More than 60 db below rated output.

Those are the basic specs (as supplied by the manufacturer). With regard to my personal opinion on the performance of this machine, I can only say excellent. Of late I have been using it with the Worcester ferrite loop antenna (see below for review of that) and the results have been outstanding. Although somewhat confusing at first, the dial (consisting of two concentric transparent plastic discs which rotate at different speeds) gives extremely accurate readings. Each kHz is marked out and there is a distance of 1/8" between each marking. This means that to tune from one domestic channel to another (say 660 to 670) you must rotate the dial a good 1/4"! Needless to say, tuning is simplicity itself and there is no need for a bandspread. The dial is linear, which means that the distance between one kHz at any particular point on any band is always the same. The frequency one is tuned to is read by adding the frequency on the Crystal Selector switch (a form of bandswitch) to the sum of the numbers on the two concentric dials. This takes getting used to at first, but after a few days at the receiver one is quickly "spoiled" and unhappy with any other arrangement which does not give direct frequency readings. It is possible to read in half-kHz too, as I recently logged an

unID SS on 1208.5, right next to KGYM-1210, Guymon, OK! This dial accuracy is accomplished by the use of crystals for each band. Drake supplies you with 10 tuning ranges with the rx, including LW, all MW, and 7 SW bands. Although this is not a SW review, SW signals every 5 kHz are noted often on "open" bands. The stability of the rx is amazing--even when tuned to a critical SSB signal, banging on the top and dropping the rx a couple of inches has no effect on the signal. Also, warm-up drift is negligible. I have never heard any hum whatsoever on the SPR-4, with or without an antenna connected, due to the well-designed power supply. The AVC is mandatory--you cannot get rid of it. In almost all instances this is a good thing, with the exception of strong locals. There is an RF gain control but it appears to have no effect whatsoever on the rx's operation. Reducing the RF gain makes no change in the signal until about 50% RF gain has been reached, then the signal quickly dies. No doubt this is due to the AVC. The AVC is absolutely fantastic in its performance. When one has selected a mode of operation, the AVC setting for that mode is switched in. During the summer I often listened despite the high noise levels. However, not once did a loud burst of static intrude upon my tender ear drums--the AVC cut in, reduced the static to the exact level the signal had been before (with a corresponding drop in signal strength, of course), then slowly allowed the signal to fade in again. The noise blanker, while very expensive, is a must for the BCB DXer. Unfortunately, I received mine after the T-storm season, so I can't evaluate it's effect on that type of static. On random atmospheric noise, the blanker has no effect whatsoever. However, on all power line noises such as clicks from light switches, furnaces, etc., it is 100% effective. I leave it on all the time--the blanker cuts out the noise completely. On antenna noise of the pulse type variety, it is also very effective. Many kinds of buzzes (and, on the higher bands, ignition noise) are severely reduced or completely eliminated. In all cases, there is no effect whatsoever on the intelligibility of the signal. Selectivity is very good, mainly due to the type of circuitry and the frequency of the IF stages. The SPR-4 features a notch filter--this filter is used to remove a certain narrow band of audio, such as the frequencies immediately around 2000 Hz. It is continuously tuneable and will remove any band of frequencies. It can be used as a kind of tone control, but its main function is the disposal of hets. Many a het has been eliminated (with only the split DX signal remaining, along with a bit of sideband splatter from the domestic channel). The rx has a built in preselector which serves to set up the correct tuned frequencies--no antenna trimmer is needed. Sensitivity is excellent, and I must sing praises (as did CQ Magazine in its review of the rx in November 1970 issue) of the Drake's signal handling capabilities. These include a high resistance to cross-modulation, r.f. intermodulation, desensitization of a weak signal by a strong one, overloading of the set by strong signals, and blocking. CQ didn't mention which receivers were tested, but it claimed that the SPR-4 equals or out-performs the signal-handling characteristics of the two vacuum-tube sets which had previously set the standard. The crystal calibrator option is not really necessary for the BCB DXer as he has so many stations to calibrate the dial. It is handy, though, for SW. Rarely will you find the dial calibration out by more than one kHz over an entire band. Resetting is easy. Nothing is perfect, and the Drake rx is no exception. I must criticize the lack of control over RF gain and AVC (as explained earlier). The S-meter is the most stubborn one in my experience. It seems to be heavily muted (by the way, it is served by a special PC board complete with IC) and strong signals move it not. With the Worcester loop higher readings are had, but above about an S-5 the meter responds to the audio or modulated part of the signal. I cannot understand why Drake ever let this particular flaw pass inspection as its disadvantages are obvious. The headphone jack, located on the front panel, is located between two controls, making access to these controls awkward unless a 90° phone jack is used. Judging from my experience, I would certainly not recommend purchase of the Drake loop antenna for use with the set. Basically it consists of a single turn of wire on a frame 18" by about 30". The loop is untuned and plugs into a special socket in the top of the receiver. Although it hooks into a special loop amp, I found many many dead channels on my set when using it. All that I logged were locals and very strong semi-locals. Graveyarder DX?--forget it! So either build a box loop of your own or buy the Worcester loop or use a long wire--the loop is not recommended. You will find the DC power cord very handy if you want to take

both car and rx out from under the locals to get some new stuff.

Well, I hope that this report has given you an accurate run-down on the set. I trust that it was technical enough for advanced DXers and simple enough for beginning ones. As you have gathered, it is my opinion that this machine has to be one of the hottest sets on the market today. Maintenance has been minimal--my local dealer gave me a replacement pilot light for one which flickered, hi. Please write me (address below) if you have any questions about the set.

THE WORCESTER FERRITE LOOP

--By Percy R. Kesteven

The Worcester Ferrite Loop Antenna is an idea conceived by Joe A. Worcester, R.D. 1, Frankfort, NY 13340. I gather from talking to Joe by LD that he was once a design engineer for GE. In a February 1970 DXM Joe laid out plans for building and experimenting with a 12" ferrite bar available for \$5.00 plus postage from him. Joe has another article on how to build a complete loop and amplifier on tap at pub. HQ--it will be printed soon. I purchased a complete loop, assembled and ready to go, from Joe. The cost was \$29.50 plus postage. (Joe also has an illustrated sheet on the loop available on request.) Loops are available (from Joe) to anyone.

With regard to workmanship and layout of the loop, an excellent job has been done. You can get the loop complete with a base, but I had a tapered piece of wood made on a lathe. This piece fits into a standard mike holder on a mike stand and leaves the loop at just the right height. It's easy to rotate it when sitting down. The loop itself consists of a ferrite bar 12" long and $\frac{1}{2}$ " in diameter. The bar rests on a cork cushion along its length and the whole thing is secured by means of nylon cord to a phenolic base. An aluminum shield covers the other sides. Total dimensions are 12" x 3" x 3". The bar is wound, with the windings going to a two transistor amplifier mounted inside the box (which is open at each end). The amp is shielded. Outside the box is a battery holder (for a standard 9V battery), a vernier tuning dial, and two switches. One turns the loop on and the other cuts the amp in.

What about performance? Well, with the SPR-4 any antenna's output is fully utilized. The Worcester loop (I hope Joe doesn't mind me calling it this, hi) has sharp peaks and deep nulls. The vernier tuning ratio is needed as each frequency requires separate tuning. Nulls on some clear channels are so deep that only atmospheric noise remains. On regionals it is easy to null one or the other of two stations at 90° and, with a little more effort, one can read three stations on such a frequency by getting rid of the others. The high-Q means that it's very easy to copy stations right next to locals (i.e. 10 kHz away). Splits are also easy--Belize-834 is in every night like a ton of bricks, despite a good signal from WHAS-840 and a very strong one from WCCO-830.

Speaking comparatively, does the Worcester loop equal or beat other antennas? Here is a comparative rating. LW is long wire, 300' in length and in a triangular shape making it omni-directional. DCL is a direct coupled loop (as designed by Fish). WL is the Worcester loop without the amp on, and WLA is the Worcester loop with the amp on. All readings are in S-units.

CKVN-1410 Vancouver, B.C.	KFBK-1530 Sacramento, CA	KUUU-1590 Seattle, WA
LW 4.0	LW 2.5	LW 3.0
DCL 4.5	DCL 3.5	DCL 2.5
WL 4.5	WL 3.0	WL 2.5
WSA 8.0	WLA 5.0	WLA 4.0

Taking a typical signal such as the Belize one, we find that the LW picks up every click, buzz, and scratch available and has a poor signal to noise ratio. The DCL does better, but the WL outshines them all with very quiet reception and a susceptibility only to the most local QRN.

Do you need a Drake SPR-4 to get full use out of the Worcester Loop? Not at all! I have a Philips (U.S. name is Norelco) standard table radio (an All-American Five) which has an antenna and ground connection. With the WL it picks up a signal on nearly every channel. These radios are not noted for selectivity, yet it picked up 1250-CKOM Saskatoon, Saskatchewan, in null of local CFRM-1260, 50 kw, (tower 2 miles away). It also logged CJIB-940, Vernon, B.C., in null of local CJCA-930, 5 kw.

What can I say in conclusion? Just that the Worcester loop looks like a very hot item--should be interesting for someone to compare it with GPN's FET Altazimuth Air Loop. Let me second Art Peterson's comments in a recent DXM. The Worcester loop, compact, directional, hot! (Percy R. Kesteven, 13112-134 Street, Edmonton 44, Alberta. I'll be glad to answer any questions you may have.) -end 12/19/70 DXM.