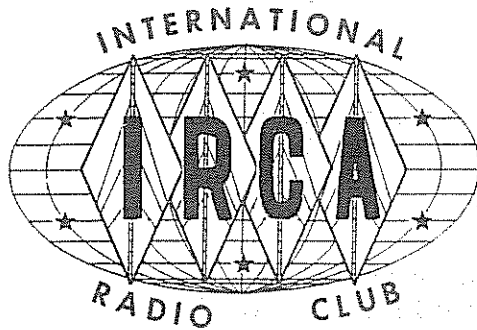


Please see the bottom of Page 9 for late DX Program information from Dan Myers!!!



★ ★ DX MONITOR ★ ★

PUBLISHED BY
THE INTERNATIONAL RADIO CLUB OF AMERICA
P.O. Box 605, Beaverton, Oregon 97005

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 ALL TIMES IN DXM: Eastern Standard Time. Add 5 hours for Greenwich Mean Time (GMT).

DX CALENDAR

Sun. Feb. 1	KLCB	1230	Libby, Montana	1kw	0200-0500 EST	PoP/IRCA
Mon. 2	CBAB	1300	Moncton, N.B.	5kw	0100-???? EST	NNRC
	WAVA	780	Arlington, Virginia	1kw	0100-0200 EST	RLA
	KPIN	1260	Casa Grande, Arizona	1kw	0200-0300 EST	IRCA
	WCIR	1070	Beckley, W. Va.	10kw	0300-???? EST	IRCA
	KOFO	1220	Ottawa, Kansas	250w	0300-0330 EST	IRCA
Mon. 9	WCVR	1320	Randolph, Vermont	1kw	0100-0200 EST	RLA
	KOFO	1220	Ottawa, Kansas	250w	0100-0300 EST	ALL CLUBS/PoP
Sun. 15	WSNO	1450	Barre, Vermont	1kw	0100-???? EST	NNRC
Mon. 16	WHBC	1480	Canton, Ohio	5kw	0200-???? EST	NNRC
	WKRC	550	Cincinnati, Ohio	5kw	0200-???? EST	NNRC
	KFRE	940	Fresno, California	50kw	0300-0400 EST	IRCA/ASWLC
Mon. 23	WCVR	1320	Randolph, Vermont	1kw	0100-0200 EST	RLA
	CFFB	1200	Frobisher Bay, N.W.T.	250w	0001-0700 EST	NNRC
	KFIR	1370	Sweet Home, Oregon	1kw/500w	0330-0530 EST	NNRC/IRCA

From Sheldon Swartz comes this very interesting information: WALE-1400 Fall River, Mass. tests with 1kw every MM from 0100 on with a continuous ID cartridge for Radio Listeners of America, RLA. Also, WVLC-1170 Orleans, Mass. should be on any day now. Reports should go to: Ralph Hunter, Monument Road, Orleans, Mass. WVLC is 1kw directional east, daytime. WVLC will likely be conducting an RLA test shortly.

Broadcasting Information (as compiled by Mike Worst) Jan. 5 & 12 issues

new	920	500w	Dunnellon, Florida	CP
new	1000	250w-D	Heath, Ohio	requests WHTH
WKYB	1000	5kw-D	Hemingway, So. Car.	to 10kw-D
KPAR	1190	1kw-D	Albuquerque, N. Mex.	start operation
WMLC	1270	1kw-D	Monticello, Miss.	start operation
WBLF	1330	500w-D	Bellefonte, Penna.	to 970 kc/s
KONE	1450	250w	Reno, Nevada	to 1kw-D, 250w-N
new	1500	250w-D	Berea, Kentucky	requests WDLS
WJBK	1500	50kw-D 5kw-N	Detroit, Michigan	granted WDEE
WCIK	1560	5kw-D 1kw-CH	Gordon, Georgia	granted WKOG
KLOV	1570	250w-D	Loveland, Colorado	to 1kw-D

Please see page 2 for complete write-ups of all DX Programs. A real hot Calendar!

DX Program Write-Ups

KLCB is a last-minute flash by phone which won't reach most but well worth trying for if it does reach you. While the date is tentative, it is fairly certain. A series of 30 - 7500 cps tones and KLCB IDs every 10 minutes will be featured. Reports should be sent to: Mr. Larry E. Jaines, CE, KLCB, P. O. Box 730, Libby, Montana 59923. -IRCA/Percy R. Kesteven, via phone

CBAF reports should not be sent to the station but should be mailed to: Mr. Bob Beaulieu, Info Services, P. O. Box 950, Moncton, New Brunswick, CANADA. This info from: -NNRC/John T. Tweedie

WAVA program contents are unknown. Reports to: Mr. Bill Ashley, WAVA, 1901 ort Meyer Dr., Arlington, Virginia 22209. -RLA/John Robertson

KPIN program will probably be Middle-of-the-Road (MoR) music and frequent IDs.

Reports to: Mr. George Tunning, CE, KPIN, Casa Grande, Arizona. -Paul S. Lotsof

WCIR will test for IRCA again and reports should be sent to: Mr. Roger L. Fox, CE, WCIR, P. O. Box 1063, Beckley, West Virginia 25801.

KOFO will air an half hour recording by IRCA member and KOFO CE Bob Davis. Bob would appreciate tapes and will return all of them. Don't confuse this with the KOFO Proof of Performance a week later and at a different time! For a verie, send your reports to: Mr. Bob Davis, 1641 S Main, Ottawa, Kansas 66067. Bob will accept prepaid phone calls at 913-242-1220. (Cost is only 35¢ for 1 minute out-of-state, direct-dialed call! -DEE).

WCVR will test for RLA on the 9th and 23rd of Feb. Tests will be similar to previous ones. Info from: -RLA/Sheldon Swartz

KOFO will present a Proof of Performance for the third consecutive February; already a total of 60 reports have been received for 68 and 69. Modulation will be frequent IDs and tones necessary to make adjustments. Taped reports will be appreciated and all will be returned if desired. Recording one direction at 7½ ips is preferable but all formats including cassette are OK. Please do not send reports to the station. They will be answered more promptly if mailed to: Robert Davis, 1641 South Main, Ottawa, Kansas 66067.

WSNO reports to: CE, WSNO, Box 1, Barre, Vermont 05641. -NNRC (This is thought to be correct date, despite mention of alternate date in DX NEWS. This was, according to John Tweedie, a change from some other date).

WHBC will use frequent IDs, cycle tone (1000 cps), Polka music, and more IDs! Reports to: Mr. John Schen, CE, WHBC Inc., 550 Market Street, South, Canton, Ohio 44702. -NNRC/John T. Tweedie

WKRC reports to: Mr. John Patton, Program Director, WKRC, 1906 Highland Ave., Cincinnati, Ohio 45219. -NNRC/Eugene Vonderembse

KFRE program will consist of MoR mx, like their RS, 1000 cps tone every 5 minutes and plenty of IDs. Reports to: CE, KFRE, T. W. Patterson Bldg, Fresno, Calif. 93721. -ASWLC & IRCA/Chuck Sadoian

KFIR will broadcast a series of tones with station ID every 5 minutes. A portion of the test will be 500w and announced as such. Power will probably be changed every ten minutes and reports would be appreciated on both powers. Please send reports to: Mr. Kenton E. Sturdevant, CE, KFIR, Box 611, Sweet Home, Oregon 97386.

CFFB will intersperse regular programming with 1000 cycle tone. Information on this really special Special comes via Larry Godwin, was hinted at earlier by John Oldfield, and is being reprinted from the February 1970 NNRC bulletin. This program was arranged for NNRC by Pat Taylor of Nutley, New Jersey. Reports should be sent to: Mr. R. M. Stanley, CFFB, P. O. Box 490, Frobisher Bay, North West Territories, CANADA. -NNRC/Pat Taylor

DX PROGRAMS When arranging DX programs, out of courtesy to fellow DXers in other clubs and to the stations conducting these programs, please be certain to inform as many other clubs as possible and as promptly as possible. While last-minute information can't make it to the membership of clubs publishing monthly, it is always a good idea to notify them that the test has been arranged. The addresses for this purpose have been published several times in the past. -DEE

IRCA CPC RESULTS!!!

KVWO 1370 Mr. Lee Close, CE and Manager, was "thrilled with the number of reports.

I received 27 reports from Arizona, California, Indiana, Missouri, Nebraska, Oregon, Utah, Wash., Alberta, B.C., and Saskatchewan. The reports were all very good, and complete. I have answered all of them with a verification and coverage map. I hope your members find my verification in order. As you know, this is the first time KVWO, as far as I know, has run such a test, and I hope it is not the last. I decided the day of the test to come out and do the program myself (it was originally sked to be done by someone else---PRK). I found it great fun. I received a call from a DXer in Calif. and we talked for some time." This is certainly the best kind of Public Relations for the IRCA! Notice the part about "good reports". Sure helps our image---thanks for your support gang! -Percy Kesteven

Reports to KVWO were from:

John T. Arthur, San Jose, California
 J. Dayton, Hallam, Nebraska
 Gary D. DeBock, Puyallup, Washington
 Rick Evans, Gary, Indiana
 Dave Fischer, Lincoln, Nebraska
 Clarence H. Freeman, Auburn, California
 Terry W. Jarvis, Kirksville, Missouri
 Robert Karchevski, Daly City, Calif.
 Percy R. Kesteven, Edmonton, Alberta
 Bill Lipis, El Cajon, California
 Patrick Martin, Warrenton, Oregon
 Randy Miltier, Campbell, California
 Lance Muller, San Diego, California
 Robert L. Neal, Jr., Forbestown, Calif.

Dave Osborn, Omaha, Nebraska
 Jon E. Pearkins, Jr., Burnaby, B.C.
 Father Jack Pejza, Ojai, California
 Robert Pietsch, San Rafael, California
 Dennis J. Pimper, Brigham City, Utah
 Joseph Plonka, Chaplin, Saskatchewan
 Bruce Portzer, Seattle, Washington
 Eddy Powell, Lincoln, Nebraska
 Chuck Sadoian, Dinuba, California
 Kevin L. Slater, Salem, Oregon
 George W. Tanner, Scottsdale, Ariz.
 Brian Williams, Vancouver, B.C.
 Greg Zimmerman, Omaha, Nebraska

KMER 950 KMER seemed quite pleased about the response to their long-awaited test.

Here are the names of those who reported: Rev. John P. Pejza, Roger W. Winsor, Chuck Sadoian, Richard Wood, Joe Plonka, Bob Hostettler, Raleigh Biss, Kevin Slater, Eugene S. Allen, Richard T. Eddie, Rob Kenney, Mike Hardester, Richard C. Evans, Greg Zimmerman, Robert Karchevski, Robert L. Neal, Jr., and Percy Kesteven. (Locations deleted as they match above KVWO reports quite closely. Info from PRK!)

KAST 1370 KAST received phone calls from Len Lockwood, John Oldfield, Mike Hardester,

Don Erickson, Jim Sorenson (Richland, Wash. - not a DXer), and Bill Block. Reports were received from: Marv Garber (with tape), Albert Lehr, Bill Lipis, George Tanner, Jim Critchett, Bill Lemak, Ron Torres (San Jose), Dan Adams, Ken Stanton, Ben Veic, Bob Karchevski, Dick Van Praag (Pasadena), Richard Wood, Mike Hardester, Robert Neal Jr., Mike Sullivan, Gary DeBock, Roger Horie, Kevin Slater, and Bill Block. -Patrick Martin

KGAY 1430 Al Gordon (who aired program) and Les Manning, General Manager, were both pleased with the results of both IRCA programs. Reports for Test I on Dec. 8, 1969 were from: Bruce Portzer, Dan Adams, Andy Lagomarsino, Mike Hardester, Chuck Sadoian, Father Jack Pejza, Robert L. Neal, Jr., Larry Killock, Raleigh Biss, Patrick Martin, Bill Nittler, Robert Pietsch, Randy Miltier, George Tanner, and Percy Kesteven. Reports for Test II on Dec. 22, 1969 were from: Dennis Pimper, PRK, Bart Cronin (Seattle, Wash.), Kevin Slater, Roger Horie, Bill Lipis, John Richards, Jr., Bill Lemak, Bob Karchevski.

 What may be a good source of plastic page protectors is Freestyle Sales Co., 1427 North Western Avenue, Hollywood, California 90027. They are \$4.95 per 100 + shipping at 6 lbs per 100. A catalog can be obtained of Freestyle merchandise (film and other photographic items) by sending along 25¢ in coin and mentioning IRCA.
 -Don Erickson (who handled butchery of names on this page)

KFI SILENT PERIOD!!!

Mike Hardester sends along the contents of a letter dated 1/20/70 from C. W. Mason, Vice President - Engineering, of KFI, and long their verie signer. "KFI is a key station for the National Defense Emergency Authority (NDEA) and as a Clear Channel station, has its signals monitored by many stations and others interested in the Emergency Broadcast System (EBS). KFI's freq. is not duplicated at night within the USA; however, the Cuban on 640 kHz makes reception difficult on the east coast. We have recently inaugurated a time with no program on the air on the last Monday morning of the month for approximately an hour. (Underlining mine--DOC). This is to do any maintenance on the antenna and make audio frequency and distortion tests on the complete transmitter and studio equipment. Would you please convey to the IRCA that listing musical numbers in a request for a QSL card does not mean a thing to me as I, nor others, cannot go through the log to see that they are correct. What I look for is the name of the program, name of the D.J. or announcer and if a sporting event, the name of the teams. Very truly," (C. W. Mason, Vice President - Engineering, KFI).

TWO NOTES:

- 1 - From Father Jack by phone comes word that, despite KFI's statement the SP is the last MM, it is possibly the first MM, Don Kenney having heard them off at this time. You might make notice MM Feb. 2 if you get this in time.
- 2 - As Mr. Mason notes, musical titles mean little or nothing in reception rpts except as 'filler' between the real meat of the report - IDs word-for-word, spots, PSAs, and the like. Many stns (most!) not only can't check their logs but don't record such info in the logs.

A TALE OF IRCA CO-OPERATION

The following is reprinted from the bulletin of the DURWARD ERWIN FAN CLUB, Mrs. C. W. 'Sue' Erwin, President. Sue is an IRCA member and a good friend of IRCAn Jerry Robinson at KOMW. "We had a nice visit with Jerry Robinson recently over the telephone line. He called to tell us he had been running equipment tests at KOMW (in Omak, Washington) which always brings in letters from distant listeners. He was pleasantly surprised to receive three from our immediate area and asked that we tune in on one of these tests. Although we anxiously awaited this opportunity, we just were not equipped to receive the broadcast. However, thanks to the boys from IRCA (International Radio Club of America) they let me listen to their taped segment of Jerry's broadcast and from all appearances, Jerry has won himself some friends from IRCA..." (Mrs. Sue Erwin, 3259 Vernice Avenue, San Jose, Calif. 95127). (Pub. note: IRCA members Randy Miltier and Bruce Bacon co-operated with Sue in making available the tape of KOMW's IRCA test.)

OUTLINE MAPS

Cliff Reno writes that he has $1\frac{1}{2}$ dozen outline maps of South America free for SASE. The maps show country borders but have absolutely no writing on them. Cliff notes they are useful for marking S.A. station records and/or call areas. Include legal-size SASE and write him at: 75 Parish Road, New Canaan, Conn. 06840. These are probably part of the outline series of maps distributed by A. B. Dick on mimeo stencils. IRCA is building a collection of these for use with State of the Month and Province of the Month and copies may later be provided to those interested, at cost. The maps include each state, Canada, and half a dozen other geographic areas and can be mimeographed on any color or weight of mimeo paper.

ADDRESS CHANGES

Lately a few address changes have been sent to pub. hq. without going to mbn in Beaverton. While this permits a prompt change of address, it will never get made in the official records unless/until you let like know; this makes for extra work every week and such a change can easily be overlooked. If you want to get a change through real quickly, do let me know, but first be sure and write mbn. Thanks.

This page typed at pub. headquarters by DEE.

January 31, 1970

EAST COAST DX ROUNDUP

Page 5

Editor: Marc DeLorenzo - 132 Beacon Street - Boston, Mass. 02116

Deadline: Thursday. Please list all items in frequency order.

- 540 CBT NFLD, Grand Falls very good 1700-2002 1/10 w/CBC, local ID's & TC's, EST + 1½ hrs. Prov #8. (QKB)
CBK SASK, Regina faded in 2230 1/10 O/XEWA/CBT. (QKB)
KNOE LA, Monroe 1/6 @ 1810 good w/pop & C/W mx before cut/pattern change, rptd. (JJ)
WDAK GA, Columbus weak w/rr, ads 1725 1/12. (RSR)
WRIC VA, Richlands on for emergency broadcast because of flooding @ 0218 on 12/31. (TM)
- 550 KFYZ ND, Bismarck L&C w/rr 0212 w/S9 on 1/11. (TM)
KTSA TEX, San Antonio fair IDing u/"Kay-Fire" 0502 1/11. WKRC off SM. (TM)
CFNB NB, Frederickton GH: hrd w/rr 2000 1/12. (QKB)
- 560 WMIK KY, Middlesboro OK @ s/off w/My Old Ky Home 1/4 1745. (BPK)
570 WKYX KY, Paducah v/ poor w/C&W mx 1814 1/4. (BPK)
580 CHLC QUE, Hauterive atop w/FF sports rpt, mx, 0012-0020 1/5. (FW)
CKWW ONT, Windsor on from 0215-0330 w/mixed tones & mx testing for IRCA, NRC, & RLA on 12/29. (GHB)
- 600 WPDQ FLA, Jacksonville w/rr 0445 on 1/11, 4 rpts & no answer. (TM)
KROD TEX, El Paso giving spots & ID 0456 1/11. (TM)
- 610 WDAF MO, Kansas City fair w/MoR 0315 on 1/12. (BPK)
620 WATE TENN, Knoxville good s/on w/SSB 0500 1/12. (TM)
WVMT VT, Burlington L&C s/on 0502 on 1/12, 1st Vt ever, they will be state #48 if they verify. (TM)
WATE TENN, Knoxville 1/10 2315 good o/WTMJ w/mx. (JJ)
- 630 CKRC MAN, Winnipeg fair w/nx @ 0230 on 1/11. (TM) Hrd 1/8 @ 1835 w/rr, very strong o/WMAL. (KL) Quite a distance for SSS reception! - MD
- 640 KFI CALIF, Los Angeles 1/9 & 1/10 good o/CMQ w/mx; many ID's. (JJ) Please list the time w/each station, Jim. - MD Finally hrd w/sports & wx 2332-2337 1/10, no CMQ. (QKB)
- 660 KOZN NEBR, Omaha very tough thru WNBC w/C&W to nx 1730 1/12. (RSR)
- 690 XETRA MEXICO, Tijuana usually good 1/10 w/Extra Music, occasionally dominant when latter faded. (FW)
???? Semi-classical mx 0255 on MM 1/5; (Not CMBC WAPE WTIK). CBU? (TM)
- 710 WDSM WISC, Superior hrd 1/8 @ 1730 w/MoR o/WOR til disappearance at 1747 probable pattern switch. (KL)
CKVM QUE, Ville-Marie poor but strong at times o/WOR w/FF nx 1805 1/5. Does anybody know where Ville-Marie is? (RSR)
- 730 CJNR ONT, Blind River hrd 1/3 @ 2325 w/rr mixed w/ORM, CHIR, CKAC. (KL) IDs @ 0615 on 12/29. (TM)
WJMW ALA, Athens s/off 1800 1/13 poor. (TM)
KWOA MINN, Worthington s/off good 1815 1/10. (TM)
WDOS NY, Oneonta good 0215 on for 12/28 emergency conditions because of snow. Nice v/l rec'd. (TM)
- 740 WPAQ NC, Mt. Airy very strong on E/T-OC/mx. ID 0320 1/7, KRMG hrd u/OC. (FW)
- 770 KUOM MINN, Minneapolis hrd 1/8 @ 1756 w/c1 mx, s/off 1759 mentioned Univ of Minn "University Radio." (KL)
- 780 WJAG NEBR, Norfolk weak w/DX TEST ID. (RSR)
- 790 WGRA GA, Cairo fair w/CKLW slop w/r/c-tt (no mx) hrd 0140-0145 1/7. (BR)
WTNC NC, Thomasville fair w/s/off 1732 1/10. (RSR)
- 840 WMOB ALA, Mobile s/off w/SSB 1815 on 1/9. (TM)
- 850 WHDH MASS, Boston finally hrd w/mx 1/11 0200 strong u/WJW, o/KOA, o/CKVL. (JJ)
- 860 WAMI ALA, Opp poor w/nx to s/off 1800 1/12. (RSR)

- *****
- 900 WLSI KY, Pikeville good 0331-0344 w/r/c-tt 1/2. (BR)
 WGOK ALA, Mobile fair 0450-0501 w/r/c-tt 1/2. (BR) Good @ 1816
 s/off on 1/13. 3 rpts out, no verie. Mobile stations will
 not reply! (TM) Xlnt w/f/c 0445 1/2. (BPK)
- 910 KIXI WASH, Seattle briefly w/20-20 nx @ 0220 12/18. (TM)
- 920 WJAR RI, Providence fair w/MoR @ 0250 u/CKCY on 12/18 (my 1st
 R.I. and no answer to 2 rpts). (TM)
- 940 KIOA IOWA, Des Moines xlnt w/ET-TT 0230 on 1/12. (BPK)
- 950 WRYT MASS, Boston good w/NRC DX @ 0320 on 12/29. (TM) L&C on DX
 12/29 0140-0520 w/WPEN nulled. (FL)
- 960 KFLN MONT, Baker ETing w/TT S-9 @ 0230 on 12/24, v/q. (TM)
 CHNS NS, Halifax battling w/nx 0431 on 1/12; my first N.S. ever
 hrd, do they verify? (TM) Yes, v/q. - MD
 KFVS MO, Cape Girardeau xlnt w/r/c @ 0100 on 1/2. (BPK) Xlnt 0113
 to 0116 w/r/c-tt 1/2, vfd. (BR)
- 980 KMBZ MO, Kansas City way u/WONE @ 0300 on 1/12. (BPK)
- 990 WCAZ ILL, Carthage not so hot w/f/c (IDs 0120 0125) 1/12. (BPK)
 Good w/r/c-tt 0125-0129 1/12. (BR)
 WFAB FLA, South Miami a surprise weak w/SSB s/off 0001 1/12
 w/CBW looped, right after WIBG WNOX s/off's. (FW)
- 1000 KXRB SD, Sioux Falls DX poor @ 0150 on 12/22. (TM)
 WVOV ALA, Huntsville hrd 1/6 @ 1734 quite wrll u/WCFL till 1759
 s/off. (KL)
- 1010 WCSI IND, Columbus fair w/s/off 1745 1/5. (RSR)
- 1050 KMIS MO, Portageville good w/C&W, ads 1735 1/8. (RSR)
- 1070 KNX CALIF, Los Angeles good occasionally o/WFLI w/local nx @
 0156, U.S. nx @ 0200 on 1/12. (BPK)
 WFLI TENN, Lookout Mountain xlnt but w/KNX QRM @ 0155 1/12. (BPK)
- 1090 WCRA ILL, Effingham poor w/many ID's & FM info - most likely
 s/off 1750 1/10. (RSR)
- 1110 WJML MICH, Petoskey poor w/ID 1715 1/9. (RSR)
 KFAB NEBR, Omaha fair w/nx 0031 1/5, WET off, SS looped, 1st time
 hrd on nite pattern. (FW)
- 1140 KSOO SD, Sioux Falls hrd 1/7 at 1803 ABC nx u/WRVA. (KL)
- 1150 WDEL DEL, Wilmington hrd 1/4 @ 0116 w/MoR o/u CKOC. (KL)
- 1090*WWSO FLA, Monticello great on RLA DX 0406 12/29. (TM)
- 1180 KOFI MONT, Kalispell fair w/nx @ 1905 1/9. (TM)
- 1190 ???? W/two-way talk pgm on DXing @ 0330 MM 11/24. Vy weak. (TM)
- 1200 ???? Had a weak EE nx-cast u/Cuban which faded out 0106 1/12,
 and up faded AFRTS P.R. ending rr song, caught last few
 bars of GSQ 0114, not really enough for a tentative to
 CFFB. (FW)
- 1220oCJOC ALA, Lethbridge S-7 @ 0230 on 1/10, 3 rpts & no verie, do
 they verify? (TM)
- 1230 KISD SD, Sioux Falls L&C w/rr 0152 12/11. (TM)
 WSOK GA, Savannah many times atop w/R&B, crummy @ 0102 s/off
 1/5. (FW)
- 1240 WKDA TENN, Nashville good w/rr & Bob Mitchell 0200 1/8. (RSR)
- 1250 KBRF MINN, Fergus Falls good 0200 s/off on 1/5. (TM)
- 1260 WGWR NC, Asheboro s/on poor u/WFBM/WNDR 0529 12/29. (TM)
 WNXT OHIO, Portsmouth DX in fair u/CFRN/WNDR/WFBM OC @ 0203 on
 1/12. (Bet it didn't get out far, hi.) (TM) Poor in mess
 on DX TEST 0209 1/12. (BR)
- 1270 KFJZ TEX, Fort Worth good w/nx 0100-0105, then rr 1/12. (BPK)
- 1290 WIRL ILL, Peoria fair w/EDITORIAL @ 0134 on 1/10. (BPK)
 WHKY NC, Hickory xlnt on 1/2; kiddie records @ 0420!? This MUST
 have been an E/T. (BPK)
- 1300 WLOT WISC, Marinette on ET w/C&W mx 0125 1/10. (TM)
- 1310 WHEP ALA, Floey r/c-dt 0335 on 1/7. (TM)

- *****
- 1310 KNOX ND, Grand Forks hrd 1/5 @ 0117-0120 w/f/c-tt per list. (KL)
- 1320 KWHN ARK, Fort Smith good o/mess w/rr on 1/8 @ 0032. (BPK)
- 1330 WJPS IND, Evansville fair w/TT ending 0150, then request for comments on programming on 1/3. (BPK)
- WEAW ILL, Evanston good w/ET @ 0245 on 1/2, also hrd w/ET 12/6 @ 0125. (BPK) ETing w/MoR @ 0230 on 1/14. (TM)
- 1340 KIJV SD, Huron fair r/c-tt @ 0112 on 1/12. (TM)
- 1370 WGHM MICH, Grand Haven hrd 1/5 0019-0028 w/f/c-tt per list. (KL)
- KXLF MONT, Butte has been a regular here w/rr for the past month, try between 0100-0200. (TM)
- KFJM ND, Grand Forks poor thru WSPD w/f/c-tt 0215 1/9. (RSR)
- 1380 WWKY KY, Winchester poor w/s/off-SSB 1745 1/8. (TM)
- 1390 WFMJ OHIO, Youngstown xlt w/tests @ 0125 on 1/2. (BPK)
- 1400 WALE MASS, Fall River perfect w/yearly Pop test w/continuous ID's @ 0340 on 12/29; do they verify? (TM)
- 1410 KGRN IA, Grinnell good s/off @ 1745 on 12/20. (TM)
- KQV PA, Pittsburgh L&C w/two-way radio @ 0219 1/5 o/WING. (TM)
- 1420 WOC IOWA, Davenport 0119-0125 w/fine signal; religious pgm to 0125 s/off. (FL)
- 1440 WEZJ KY, Williamsburg good 0414-0417 w/r/c-tt 1/3. (BR)
- WSEL MISS, Pontotoc good w/f/c-dt 0240 1/9. (RSR)
- WIOK ILL, Normal fair w/f/c-tt, ID's every 15 sec, 0235 1/11. (RSR)
- 1450 WLAF TENN, La Follette s/on @ 0525 on 12/22. (TM)
- 1460 WXOK LA, Baton Rouge w/soul mx good @ 1802 on 1/3. (TM)
- KRNY NEBR, Kearney s/off fair @ 1830 on 1/10. (TM)
- 1470 WRBD FLA, Pompano Beach s/on @ 0600 on 500w PSA 12/12. (TM)
- WVOL TENN, Nashville fair IDing @ 0400 on 1/11. (TM)
- 1480 WAAD NC, Charlotte a most-wanted hrd barely @ 0618 on 1/5. (TM)
- WTHI IND, Terre Haute in mess w/rr @ 0001 on 1/2. (BPK)
- WIOS MICH, Tawas City poor w/f/c-tt; not WAFT as per list, 0050 1/6. (Richard S. Ryrholm)
- 1490 KXRA MINN, Alexandria poor w/f/c-tt, long ID 0145 1/12. (RSR)
- KRIB IOWA, Mason City AN w/rr on 1/10 @ 0304 hrd. (TM)
- WSIP KY, Paintsville hrd 1/10 @ 0402-0415 w/f/c-tt per list. Very tough but pulled out ID @ 0414. (KL) Nice. - MD
- 1500 WJBK MICH, Detroit "Big B" good w/C&W mx on 1/3 @ 2345. (BPK)
- The ID you hrd must've been "Big D", Bill, as WJBK switched calls to WDEE about a month ago. - MD
- WGMF NY, Watkins Glen fair w/f/c-tt ending, then ET 0015 1/12. WDEE & KSTP QRM. (RSR)
- 1510 KIRV CALIF, Fresno IRCA-DX great for 500w @ 0450 on 12/22. (TM)
- KANS KAN, Larned ETing @ 0455 o/KIRV on 12/22. (TM)
- KPBC LA, Port Sulphur fair s/off w/Dixie 1815 1/13. (TM)
- 1520 WRIA PUERTO RICO, San Juan L&C w/SS @ 0252 on 12/1. (TM)
- WSLT NJ, Ocean City hrd w/r/c w/WKBW partially nulled @ 0020 on 1/2. (BPK)
- 1540 WBFJ TENN, Woodbury r/c-dt @ 0235 on 1/11. (TM)
- 1550 WYNX GA, Smyrna L&C ETing @ 0220 w/C&W mx on 1/3. (TM) W/super signal on ET-rr 0203 1/3, f/c @ 0120 not hrd. (BPK) Vy good w/ET-TT-mx 0217-0236 1/3. (BR)
- WSHN MICH, Fremont poor o/WAAY 0116-0130 w/r/c-tt 1/3; no sign of WYNX r/c at this time. (BR)
- WIRV KY, Irvine good w/ET-TT-mx (not r/c) 0240-0315 1/3. (BR)
- 1550 KKJO MISSOURI, St. Josephs copied for a rpt w/rr to s/off 0200 1/10. (Frank Waldron)
- 1560 XEVIP No, my WYSE 12/30 0059 s/off indeed was not WYSE, but rather was XEVIP (all unaccented EE, too), I beg your pardon for my inadvertent assertions, fellow IRCAers. (FW) Calm down
- KRBB OKLA, Sallisaw w/f/c-tt L&C @ 0105 on 1/12. (TM)

January 31, 1970

EAST COAST DX ROUNDUP

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- *****
- 1560 WAFI KY, Middlesboro on because of flood @ 0152 12/31. (TM)
WKDO KY, Liberty fair w/r/c-tt 0425-0430 1/3, no mx hrd. (BR)
- 1570 WSWV VA, Pennington Gap u/CKLM w/r/c-tt 0330-0335 1/3, vfd. (BR)
KZOL TEX, Farwell L&C til 1845 s/off. Do they verify? (TM)
KVRA SD, Vermillion poor w/ad, MoR 1810 1/10. (RSR)
- 1580 KFDF ARK, Van Buren fair w/"closing hymn" to s/off 1830 1/12. (RSR)
KTGR MO, Columbia fair w/s/off 1820 1/9. "Tiger Radio." (RSR)
WAMY MISS, Amory fair w/r/c-tt 0503-0515 1/2. (BR) Hrd same tx. (BPK)
WCCR ILL, Urbana w/r/c-tt 0120-0130 1/10. (BR) Good but under
WCLS w/r/c @ 0115 on 1/10. (BPK)
WCRV NJ, Washington hrd 1/3 @ 1645-1658 s/off. (KL)
- 1590 WCBG PA, Chambersburg fair w/r/c o/u WETT 0100 1/2. (BPK)
- 1600 WRBN GA, Warner Robins OK w/r/c @ 0315 on 1/2. (BPK)
KYAL TEX, McKinney very strong @ 1845 s/off on 1/11. (TM)

CONTRIBUTORS:

- (QKB) Quentin K. Brown - 59 Kenilworth Street - Ottawa 3, Ontario
(GHB) George H. Bryson - 8762 Hosmer - Detroit, Michigan 48214
(JJ) Jim Jankowski - Box 45 - Corfu, New York 14036
(FL) Frank LaBelle - 319 Beaubien East - Montreal 326, Canada
(KL) Ken Lyon - 9415 Goodrich Road - Clarence Center, N.Y. 14032
(TM) Tom McCormack - 275 Littleton Street - West Lafayette, Ind. 47906
(BPK) Bill Peek - 801 Elm Ave. SW - Roanoke, Virginia 24016
(BR) Bill Ritzel - 1833 Dunmere Rd. - Baltimore, Maryland
(RSR) Richard S. Ryrholm - 100 Merryhill St. - Marietta, Ohio 45750
(FW) Frank Waldron - 65 Lakeridge Drive - Matawan, New Jersey 07747
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EAST COAST DX FORUM

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

Hi. The "Flamboyant 4" had its 3rd DX bash 12/28-29. The gathering netted me one new province and about 20 new stations. The tests were coming in well this week, in sharp contrast to last week. Reports out: KIFN KOA WMEN WWSO WBAA KFH WRYT WPOW KVOO KXRB KSL CKBW Radio Belize. No veries in. Totals: 379/20 40/17 5/1 10/2. The rx is temporarily out, so I don't expect to do any more DX for a while. Have been using an IRCA spiral loop w/a Crosley CR-65 rcvr & find it excellent. Tnx to RLA for the 2 "DX Marathons", how about some more? DEE, MD, and the other editors, you've been doing a fine job, keep it up! 73, good DX, and Richmond in '71. (THANKS, David. - MD)

Gray Scrimgeour - 227 Hanna Road - Toronto 350, Ontario

Happy New Year, everyone! Reception has often been good, but TA's rather rare. Western Europe only, even on the good evenings. I did manage to find time to report the BBC-881 and Murcia-854 for MM reception on 12/22. Poland-1502 in 12/23 fpr a new country, but not enough to report. With my tape recorder in being repaired and tuned up, I've been doing some domestic DXing. Recent veries from CBT-540 and CBN-640 for a new province, CJTT-1230 WGSB-1480 WELI-960 CHNS-960 for only #2 from N.S., WSOC-930 WCVR-1320 & WRFC-960. Graveyarders gave a few nice ones last weekend. Rare to hear them so nicely! Glenn Hauser: I use to hear the jammer on 1200 kHz from La Jolla, fading in from west about 0330 EST. I once hrd an unid station in what I believed then was Chinese with an ID @ 0400 in EE as the Voice of the West, with some Aaron Copeland mx for a theme (believe it was from 'Rodeo'). I'd be interested to find out if you get anything similar, from Taiwan - they denied it was they at the time (possibly Brazil in JJ, as loop direction would be similar). Nice job on the f/c list, Larry!

Ken Lyon - 9415 Goodrich Road - Clarence Center, N.Y. 14032

No listening done last MM, but WNLC looked good. Maybe next year. Received a sample RLA bulletin, they sure schedule some good tests, but I don't believe I'll join. One new verie this week, WAMY finally sent a card, no answer for report last year. CJBR sent a very colorful CM, but no mention of a verie, so no count. CU later.

Frank Howell - Route 2 Box 245 - Tennille, Georgia 31089

It's been a long time since I reported so maybe a re-intro is in order: I'm 17, a high school student, and have been DXing 'bout a year on BCB. Joined IRCA last year after reading PE Communications Handbook. I use a Halli-S-108 (two of 'em!) with a 75 foot lw and a newly constructed 2 foot box loop per plans from DEE, who, by the way, is a great guy. A few new catches in: KFI (1st WC), WMID CHSC KOA. I didn't enter the contests this year, too lazy I guess. Would like to welcome Tom Sundstrom to the IRCA. His magazine (S-9) has a great DX Korner and an excellent VHF column. That's all for now. P.S? You might have seen my 10-20 in the nx lately. Write and I'll fill ya in! (Sorry, Frank, but I don't know off-hand of anyone with a good rx for sale. - MD)

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

Hi. Up til 1/1/70 my equipment was a Halli S-120 w/a one foot square box loop. No gain but good at nulling stations. However, even with parallel gang connections, capacitor only covered above 680. So built a temporary 6 foot square loop in about an hour. Resulted in good low band DX. Veries: v/1 CFOX CKGM, v/q KOIL WIRL, v/CM WMID. Totals up to 414 hrd, most at sunset. 73's.

Tom McCormack - 275 Littleton Street - West Lafayette, Ind.

Hi. I just got reports out to WJAR & WVMT; they will be states #47 and #48 if they verify. Recent veries in from: v/1 WOMT WAMO WPAC ZFB-960 WJEJ WYXI WMGR WLSH KRCB WHHO-DX KTOE KWPC WDOS KGRN WGMS WGIG & KFIL. V/q WACT KTAR CBA (1st N.B.), KUPK KSCJ KCBS & KFLN. California remains to be the best verifying state with 16 veries out of 18 stations sent to. (KUDU & KIRV still out). WGIG's v/s is now Randal M. Smith (they are E-W directional). All IRCA members are welcome here. 73's from Hoosierland.

FLASH!!

FLASH!!!

FLASH!!!

Here is some very last minute flash info from Dan Myers, taken over the phone late Wed. night, Jan. 28. Two DX programs plus one tentative.

Mon. Feb. 9 WCSR 1340 Hillsdale, Michigan 500w/250w 0000-0100 EST NRC/IRCA

Mon. March 13 WMVO Mount Vernon, Ohio 1300 kc/s 1kw 0300-???? EST NRC/IRCA

tent. March 9 WCWC-1600 for a couple of hours. More details when they become known.

This issue Should go out around 5 AM PST on Thursday morning. Connections aren't too hot at that time of morning and 3-oz. bulletins are never good news when it comes to speed.

Last issue Things went as smoothly as could be expected last issue but during the final hours, we ran into very, very heavy fog which delayed getting the bulletins to the Post Office; most flights were delayed or cancelled that early AM and air mail dispatch naturally wasn't at its best.

Renewals and FIRST CLASS MAIL Due chiefly to our ever-increasing membership (no, LdB, it isn't just chance that we're gaining; membership recruitment is a big job in any club and no club gains members without effort), third class mail service is less reliable than it was a year or so ago. It is hoped a large percentage of you will spend the extra \$3 for assurance of weekend reading material---your DXM! And early renewals are always a blessing to mbn, LBG, and DEE!

EDITOR: Lynn D. Brooks - Box 253 - Ponca City, Okla. 74601

DEADLINE: Friday, eight days before publication date of Saturday.

- 540 CBT NFID, Grand Falls no sign of them on DX 1/11 & 1/12! Just XEWA/CBK/WVON (spur). (bw)
- WDAK GA, Columbus good 0330 w/rr; waited a long time for this one; a new radio did the trick; heard on 1/4. (DO)
- 550 KFYR ND, Bismarck fair to good w/rr 0144 1/11. (MD)
- WKRC O, Cincinnati poor w/NX 0332 1/10. (MD)
- 560 WGAM FLA, Miami in w/talk show 1/12; not enuf for report though. (CW)
- WHBQ TENN, Memphis w/rr 1/12 0206. Fair signal w/many unID always u/WIND. (bw)
- CJKL ONT, Kirkland Lake "CJ-radio" in w/sports & into rr/mx. In very strong @ 2313 1/2. (DB)
- 570 WKBN O, Youngstown in 12/22 0314 w/much more cw mx. (CW)
- **KGRIT**NM, Las Cruces in good 0225 w/rr ET. Sends nice v/l 1/17. (DO)
- WBAP TEX, Fort Worth poor 1/3 w/cw 2103. Lot of WMAX interference. (DO)
- WKYX KY, Paducah 1/19 0100 s/off w/SSB. Only WKBN-QRM. (JWH)
- 580 CKY MAN, Winnipeg in way under WIBW 0325 w/rr. With old radio I couldn't en-
en get this freq, because of a bad KBOM image. Hrd 1/4. (DO)
- CKPR ONT, Thunder Bay w/rr & road reports 0210 1/2. (DB)
- WILL ILL, Urbana with WX & mx 1628 1/9. (GN)
- 590 KBHS ARK, Hot Springs good 0749 w/religious garbage. 1st domestic on channel besides local WOWJ 1/11. (DO)
- 600 KSJB ND, Jamestown loud & out on 1/4 0158 w/NX & s/off. (DW)
- 640 WHLO O, Akron in very good 1940 w/rr; surprized I hadn't heard this before 1/
10. (DO)
- 650 KORL HAW, Honolulu in with a very strong signal 0404 w/MoR mx on 12/29; state #39. (DO)
- 670 KBOI ID, Boise in fair 1900 on 12/6 w/CBS NX; state #37. (DO)
- 690 KUSD SD, Vermillion fair to poor w/NX & WX 1710 12/30. (MD)
- 710 WOR NY, New York blew my transistors 12/22 0225 w/unoriginal talk show. WHB was off. Quick v/q. (CW)
- WGBS Time should have been 0200. (GN)
- 730 CHIR ONT, Leamington v/good for awhile then faded out w/horrible Lawrence Welk type mx & Holiday Inn Radio 0046 1/18. (MD)
- CKAC QUE, Montreal a surprise while looking for CHIR 1/10 0455 w/FF mx, fair signal, & some WGN slop. (bw)
- KDAZ NM, Albuquerque in fair w/cw mx 1855 1/12. (DO)
- 740 KVFC COLO, Cortez in very poor 1900 w/ID 1/12. (DO)
- KCBS CAL, San Francisco in very good 0202 w/NX 12/29(Cal. #5). (DO) At 0224 1/4 w/AA mx til dwan. 2nd rpt but NO verie yet. Do they?? (CW)
- **KBAD**NM, Carlsbad in poorly on r/c 12/29. (DO)
- KSSS COLO, Colorado Springs in very good 0120 w/WX 12/29. (DO)
- WBAM ALA, Montgomery in very good on Special DX Test 1/1. Took phone calls from DXers, & got one from Omaha, but I missed the guys name. Did anybody else hear it??? Hrd 0245. (DO)
- 750 ???? In w/Johnny Nash vocal. Out when it was over. Hrd 12/21 0216. No WSB. Cud this be KFQD??? (CW)
- 770 WABC NY, New York fair to good w/rr 0034 1/11 most wanted. (MD)
- 780 WJAG NEB, Norfolk hrd on Test w/TT - WBBM also testing for awhile 1/12. (GN) DID NOT HEAR THEIR TEST ON 1/12. Tried for every 1/2 hour. Did they make it? (CW) (Yes, Chuck, they sure did. Heard easily here, can't imagine why you didn't hear it! -LDB) Weakly u/WBBM OC w/varied TT, & gud ID 0238 1/12 during DX/POP test. Anncd power as being reduced to 500w. WBBM s/on to test 3 mins. after s/off 0100. WBBM also used TT. (bw) Weak u/WBBM OC but clear on special 1/12. (RCE)*
- 790 KTHH TEX, Austin good w/NX 0242 1/17. (MD)
- KGHL MONT, Billings hrd 1/18 0129 w/NX & MoR. No sign of KABC. (RSH)
- 800 CHAB SASK, Moose Jaw NX at 1800 fair to good 1/14. (MD)
- 810 WGY NY, Schenectady w/MX 12/22 w/WFAA-WBAP off. Just got there v/c. (CW)
- 900 CJVI BC, Victoria in very good 0523 w/rr for prov. #6. Hrd 1/11. (DO)

- 900 CKDR ONT, Dryden in very well 1900 1/17 w/rr. (DO)
 KWAM TENN, Memphis in poorly with 1745 s/off 12/17. (DO)
- 910 CKLY ONT, Lindsey finally heard with instrumental music 0620 1/11. (GN)
 CJDV ALTA, Drumheller in fair 1/11 with MoR mx 0545. (DO)
 KLSI KAN, Salina good 0850 Chief's record offer & WX 1/12. (MD)
- 920 WBAA IND, Lafayette in excellent on DX with mentions of RIA. Fantastic signal
 w/no interference at 0417. (DO)
 KELP TEX, El Paso fair 0332 w/rr mx 1/17. (MD)
- 940 KFRE CAL, Fresno w/CBS Capital Cloakroom 0230 fairly strong 1/12. (RCE)
 CBM QUE, Montreal do believe this was the one w/NX on the hour mentioning
 Canada many times. Sent tentative report. (CW)
- 950 KJR WASH, Seattle think I heard them, but not sure 1/10 at 0025 w/ID & "Now
 the Seattle..."???? Was it them? (CW)
 WSPA SC, Spartanburg hrd 0500 s/on 12/22 & then 2340 1/16 for state #38. By
 far the best bet for S.C. (DO)
- **WXGI**VA, Richmond real hoedown - corn pickin' cw mx that rocked thehouse on
 a test 0215-0240 tune-out. Only one ID noted at 0230 - but a real
 powerhouse 1/19. (JWH)
- 960 WSBT IND, South Bend pumping in on 1/10 0101 w/NX, WX, & s/off. State hrd
 #35, veried #32. Nice v/l full of details. +CM. (CW)
 KWYK NM, Farmington thanks a million on the tip about the Navajo language
 broadcast on this stn. Now I have them verified, too. 12/7 0820.(DO)
 KABL CAL, Oakland in fair w/WX for Calif. & San Francisco 0230 1/17. (DO)
 KOOL ARIZ, Phoenix fair 0257 w/NX on 1/17. (MD)
 WFIR VA, Roanoke (ex-WDBJ) with regular program 0627 1/11. (GN)
- 970**KDCE**NM, Espanola good w/ f/c & ID said monthly f/c at 0210 1/10. (MD)
- 980 KSGM ILL, Chester in fair 1730 12/18 w/Mutual Sports. (DO)
 KFVB CAL, Los Angeles from the city of angels NX in strong 12/7 0207. Back
 with v/f. Also got my postage back as PO failed to cancel stamp!(CW)
- 990 WNOX TENN, Knoxville very poor u/CBW w/rr mx 0012 1/16. (MD)
- 1010 KCMJ CAL, Palm Springs very weak on DX test 1/19 0320 tune-in much QTM from
 KGBS, 1020. (RSH) On DX test for IRCA with ease. (BN)
 KLRAARK, Little Rock testing with both mx & TT during KCMJ test. (BN) Fair
 to good w/ID 1800 12/30. (MD)
- 1070 KHMO MO, Hannibal in fair with farm reports 1745 12/29. (DO)
 KNX CAL, Los Angeles in fair 0140 12/22 with News. (DO)
 CBA Sackville 1/19 DX Special not on - only Columbian/KNX noted. (JWH)
 KHMO MO, Hannibal poor-fair w/farm report 1740 12/31. (MD)
- 1130 WNEW NY, New York very good 0059 w/News 1/17. (DO)
- 1140 ???? UnID SS noted 1/19 on RS all AM 0130-0230 tune-out. Non-stop music --
 Latin type & a twice repeated, whistled ID between each record. No
 voice at all noted. WQBA or is there a Cuban there?? Jammer was
 rough. (JWH)
- 1150 WJBO LA, Baton Rouge fair 0101 with Monroe News 1/10. (DO)
- 1170 WWVA WVA, Wheeling easy 1700 with cw mx 1/10. Anyone who needs this state
 try listening at this time, & I gor-an-tee success. (DO)
 WCOV ALA, Montgomery 0050-0100 s/off 1/12. (RCE)
- 1180 WHAM NY, Rochester like a local w/World Tomorrow & a salute to Fred Steinmark
 of good ol' Univ. of Texas 2344 12/18. v/q back in a hurry. (CW)
- 1190 KRDS ARIZ, Phoenix noted 0407 w/rr mx 12/22. KLIF has a new pattern now, so
 we don't have to worry about them anymore. Does KRDS have a silent
 period?? I need Oregon!! (DO)
 KLIF TEX, Dallas is now rocking out nitely w/the pwr of 5000w up frm 1000w.
 Still are 50,000w daytime. (CW)
- 1210 KGYN OKLA, Guymon finally heard on SSS 1/12. Fair until 1900 antenna change.
 WCAU looped. A combo of cw & MoR mx played & 2 DJ's. (bw)
- 1230**KLWT**MO, Lebanon fair o/WJOB w/ f/c-TT 1/10 0226-0228 not per f/c list.
 F/c is in progress when I tuned in. (bw)
- 1240 ???? Who relays CJIC on this frequency 0300-0500. (GN)
- 1240 KFOR NEE, Lincoln testing w/TT 1/19 0135-finally IDed 0200. (BN)

- 1240 ???? ILL, Chicago what Chicago is on 0235 1/4??? (DO)
- 1260 WNXT O, Portsmouth poor on Special u/WWDC 0201-0215 1/12. (RCE)
WEKZ WISC, Monroe in very good with 0700 s/on 1/11. (DO)
- 1270 KNWC SD, Sioux Falls in fair w/WX & ID 1/11 0905. (DO)
- 1280**KCNI**NEB, Broken Bow very poor w/ f/c 1,17 0145. (MD)
- 1300 KCNW OKLA, Tulsa fairly good ID's & NX 2052 12/30. (MD)
- 1310**KIKS**LA, Sulphur f/c 0105-0115 believed r/c 1/12. (RCE)
KDLSIA, Perry w/ f/c-TT very poor 1/13 0230 (2nd Tue). (DB)
- 1320**WJAS**PA, Pittsburgh in very good with test 12/29 0600. (DO)
WKANILL, Kankakee in very good with some kind of test 0134 1/1. (DO)
WFHR WISC, Wisconsin Rapids in good 0830 s/on 1/11. (DO)
KXYZ TEX, Houston s/on 0200 under CKKW. (JWH)
- 1330 WLLOL MINN, Minneapolis very good with telephone talk show 0410 1/4. (DO)
Very poor with talk show 0317 1/18. (MD)
- 1340**WAGN**Testing 0125 1/12 with TT; unneeded. (GN)
KICK MO, Springfield w/rr mx 0229 fair-poor 1/10. (MD)
WJPF ILL, Herrin atop frequency fair 0232 1/10. (MD)
- 1350 KSRO CAL, Santa Rosa hrd 1/17 2053 interview with several Calif. Jr. Miss
Contestants, then into NX 2055, fair signal. (RSH)
WSMB LA, New Orleans very good w/mx 0400 1/10. (MD)
- 1360 WISV Viroqua 1/19 DX not noted or needed. WBAY too strong anyway. (JWH)
- 1370 KEEN CAL, San Jose hrd 1/18 0415 with cw mx. (RSH)
KVWO WYO, Cheyenne very good on DX Special 12/29. This test was on past its
scheduled time, wasn't it?? (DO)
- 1380**KUVR**NEB, Holdredge 0300 12/24 with equipment test (ET). (DO)
WLCY FLA, St. Petersburg in fantastic 0540 w/rr mx; too bad it doesn't verify
Fla. #2 hrd 12/22. (DO)
WPHM MICH, Brantford good s/on 0530 12/27. (DO)
WWCM IND, ?? I'm mixed up about this one, is it still on 1130?? Is the stn
located in Brazil? Hrd s/on 12/27. (DO)
- 1390 KLPM ND, Minot in very good w/local & N.D. NX 1800 1/12. (DB)
WYXITENN, Athens in very good on f/c 1/1 0221. (DO)
- 1400 WJET PA, Erie w/ID about 0145 while chasing UTS (UnID testing stn) 1/12. (RCE)
- 1420 WOC IA, Davenport 0125 s/off 1/19 w/orch. SSB. Said 0555 s/on. (JWH)
KTOE MINN, Mankato 0130 s/off w/orch. SSB. Said 0630 s/on. (JWH)
- 1430 KAOL MO, Carrollton in poorly on 0730 s/on 1/11. (DO)
K---Testing 0142 12/29. (GN)
- 1440 WIOK ILL, Normal w/rr mx 0140 1/18. (MD)
- 1450 KYNT SD, Yankton in fair under powerhouse "KWE-BIE" w/0900 s/on 1/11. (DO)
WHLS MICH, Port Huron w/NX & WX. Just barely made it o/1450 mess. 0400 1/1(DB)
WDLB WISC, Marshfield in w/WX 0100. Soon lost to WVON 1/3. (DB)
- 1460 CKRB QUE, St. Georges de Beauce very poor w/ID 0200 1/10. (MD)
WBRNMICH, Big Rapids in w/transmitter test. Could just be a fancy name for
their f/c that is listed at that time on 1969 list. 0100-0117(1st Sat)
- 1470 WRGA GA, Rome in for ID during a short WMED silent period 1800 1/12(DB)/(DB)
CFOX QUE, Pointe Claire in w/quick ID. Covered by WOHO quickly 0233 1/2.(DB)
KDHNTEX, Dimmitt on f/c 0150-0200 w/TT then 10 min. of mx after s/off f/c
1/16 (3rd Fri). (BN)
- 1480 KIMS NEB, Lincoln in good w/rr & many mentions of "Capitol City" 0415 1/1(DB)
KEHG MINN, Fosston in very weak at s/off w/WGSB & KSDR 1800 1/14. (DB)
KSDR SD, Watertown in w/BKB tournament rpt, & into rr mx. Usually u/WGSB.
1805 1/14. (DB)
WISM WISC, Madison in very well o/KIMS 0515 w/rr. Local KBON was off so I
had no problems with this one. Hrd. 1/17. (DO)
- 1490 KDOK TEX, Tyler good w/rr mx; KBON off; 0437 1/17. (MD)
WABJ MICH, Adrian faded in w/musical ID 0145 1/2. (DB)
- 1500**WDEN**GA, Macon ET AN hrd 0330-0400 w/cw mx 1/14. (RCE)
WDEE MICH, Detroit "The Big D" (ex-WJBK) noted now on RS & all cw format(JWH)
- 1510 KGA WASH, Spokane in poorly way under WLAC 1917 w/cw mx 1/8. (DO)
KPBC IA, Port Sulphur in very good 1811 s/off. 1/8. (DO)

- 1510 ???? UnID s/on noted 0832 w/a "w" call. Beginning mx was "America" 1/11.(DO)
 KCCV MO, Independence with 1815 s/off 1/9; fair signal. (DO)
 KABH TEX, Midland in very well 1900 s/off 1/11. (DO)
 KCAW TEX, Port Arthur in very good everyday around 1845 s/off 1/11. New stn,
 & not listed in NRC Log. Does anybody know its power? (DO)
- 1520 KOLM MINN, Rochester in poorly 1815 s/off 1/11. (DO)
- 1530 KDSN TEX, Denison in fair 1815 s/off 1/16. (DO)
- 1550 WOKJ MISS, Jackson w/rr u/KKJO 1835 1/10. (MD)
 WSHNMICH, Fremont heard on f/c strong signal 0115-0130 1/3(1st Sat). (DB)
 WEVR WISC, River Falls in good at s/off 1800 1/2 w/WJIL who was also signing
 off. (DB)
- 1560 WDXR KY, Paducah 0630 s/on w/SSB 1/16. (JWH)
 WRIN IND, Rensselaer 0700 s/on w/choral SSB 1/16. (JWH)
 WKOGGA, Gordon in very well 0130 ET. Are these their permanent letters??
 Hrd. 1/17. (DO)
 KEGG TEX, Daingerfield in poorly 1830 1/8 s/off. (DO)
 KABI KAN, Abilene in poorly 1830 s/off 1/16. (DO)
 CFRS ONT, Simcoe in very well w/test 0130 1/17. Played everybody's favorite
 "CQ Serenade". First Canadian tester I've ever heard. (DO)
 KRCBIA, Council Bluffs in very strong w/ET. Programming was rr mx & musical
 "Radio 15-6" ID's. At first I thought it had been granted night oper-
 ation because the test was conducted like RS giving time & temp. Hrd
 1/3 0100-0130. (DB)
- WKOG GA, Gordon very good all alone 0306 1/17. (MD)
- 1570 KTER TEX, Ferrell in fantastic on 1835 s/off 1/13 clearest s/off I've ever
 hrd, then I lost the tape. (DO)
 KZOL TEX, Farwell in fair 1900 s/off 1/10. (DO)
 KLOV COLO, Loveland in very well 1900 s/off 1/6. (DO)
 KNDY KAN, Marysville in good 1828 s/off 1/8. (DO)
- 1580 CBJ QUE, Chi coutimi in fair with FF 21471/6. (DO)
 KBGO TEX, Waco managed to work it out of the WCLS-KLOU-Mexican mess @2230
 with NX & cw mx on 1/17. (DO)
 KLTR OKLA, Blackwell very good w/ s/off 1843 1/11. (MD)
- 1590 KBUS TEX, Mexia in fair under WAKR-KVGB 1/10 w/rr (DO)
 KYOK TEX, Houston very good w/rr 0311 1/10. (MD)
- 1600 WAAM MICH, Ann Arbor in very well 0535 w/rr 12/22. How long does it take
 them to verify?? (DO)
 KBBB TEX, Borger good 1/14 w/ID 1841. (MD)

REGULAR CHECKS PER IRCA F/C LIST:1st Fri: WSEL-1440 (RCE)

KVOX-1280 MINN (DB)

1st Sat: WSHN-1550 MICH (DB)(GN)1st Sun: KCII-1380 IA (DB)2nd Mon: WGMF-1500 (RCE)

WATS-960 (RCE)

KOYN-910 (RCE)

2nd Tue: WPUV-1580 (RCE)

WAAC-1300 IND (RCE)

KDLS-1310 IA (DB)

2nd Sat: WYWY-950 KY (bw)3rd Mon: KWYO-1410 (RSH)(BN)3rd Wed: WRKH-580 (RCE)3rd Sat: KIZZ-1150 TEX (BN)4th Wed: KCOG-1400 (DO)Last Mon(12/29): KBAD-740 N.M. (DO)REPORTERS:

EB-----DAVE BRIGHT - 1804 Mulberry Ave. - Muscatine, Iowa 52761

LDB-----LYNN D. BROOKS - Your Editor (HQ-150 w/4 $\frac{1}{2}$ ' NRC type loop & 100' LW)

MD-----MARK DIRKSCHNEIDER - 229 No. 118th St. - Omaha, Nebraska 68154

RCE-----RICK EVANS - Box 1988 - Gary, Indiana 46409

JWH-----JOHN W. HOOGERHEIDE - 3 Marquette Drive - Marquette, Michigan

RSH-----ROGER S. HORIE - CMR Box 1473 - Mtn, Home AFB, Idaho 83648

BN-----BILL NITTLER - Box 112 - Englewood, Colorado 80110 (HQ-180)

GN-----GARY NUTHALS - 1155 Mather St. - Green Bay, Wisconsin 54303

DO-----DAVE "OZ" OSBORN - 3111 South 105 Avenue - Omaha, Nebraska 68124

BW-----BILL WALL - 4437 W. Fulton St. - Chicago, Ill. 60624 (S-120 & 4' loop)

CW-----CHUCK WALL - 5966 Williamstown - Dallas, Texas 75230

MARK DIRKSCHNEIDER - 227 No. 118th St. - Omaha, Neb. 68154

Hello again; DX around here has been great with 53 new stations in Dec. & things are moving well so far in Jan. The latest DX Bash of Omaha's Fearless 4 was a great success & I would like to thank Dave, Bill, & Greg for a fine time. A verification I got from KLIF-1190 said that they will in the near future be moving their nighttime broadcast to a new 5kw facility where they have a 12 tower array. It also said the major lobe will be essentially south-west. Verifications: WRVA KLIF KSTP KSCJ WKBH KWKH WHAS CBE WING WREN KNBR KFVS KSD & WHAM. How long does WJJD take to verify? New totals 263/55, 33/23, 5/2 provinces & 4/3 ctys. That's it for now. 73.

GARY NUTHALS - 1155 Mather Street - Green Bay, Wisc. 54303

New veries are KMPL WIDG WIDY WBEN KAKC(3 mos) & KLRA(7 mos). Dan Sys-Bill Wall: CKY CKDM & CKEY are non-verifiers for me. Some more non-verifiers are WKYZ WNDR WNFL WPTS WNEW WTVB WCAR WXMT WKTS WHA KWOC WTTO & WTOD. Any help? Tnx to NB & JWP for sending me letters with help on my UnID stns. Totals now 320/214, 6/6 prov. 73's

CHUCK WALL - 5966 Williamstown - Dallas, Texas 75230

Hello brother DX'ers & a joyous 1970! Latest veries are: v/1 KBOI-TV(that is what I said) KILT WPLO WSBT+CM KFVB KQEO v/q WHAM WOR CFRB WINZ WKBN KGBS. M. Hardester informs yours truly that the NEV 720 will soon be on. Does anybody know the date it takes the air? Logged ZNS on 1/6 thinking it was WCKY, so it was a surprise. Do they verify?? Hank Ward: I cannot understand why you have not heard XETRA. It is now a regular here. However, for that matter, I cannot understand why anybody west of Cal. CAN hear it. According to KLIF's CE(KLIF & XETRA are both McLendon stns) XETRA operates at nite with a north-south directional pattern. On my rpt to the stn I asked about this, but my verie said nothing about it. So.... Was in IA 12/28-31 & saw just about every station, but got to visit none. Talked to DEE & had a chance to listen to Calif. rr stns. Boy, not much difference - but I did not expect much. 73.

DAVE BRIGHT - 1804 Mulberry - Muscatine, Iowa 52761

Hi gang. This is my first report to MWDXF, so here are my credentials. I'm 17, & a senior at Muscatine High School. I've been DXing for 4 yrs. Totals: 1189/23. 41/11, 7/3. I got a letter from Ralph Stormer for KWPC DX. He said that they received 18 reports from N.Y.(5), N.J., Penna., Wisc., Mich., Ill., Nebr., Ind., & Mo. What are the best chances & times for me to get Hawaii, Alaska, & Oregon? WSM completely dominates 650 for me, so I've never had a trace of KORL & KYAK. (Try Monday morning, when WSM is off. They do test on MM, but when not doing so, you should be able to hear KORL - if rcvr & antenna are good enough. -LDB)(Also try 1040 on Sun. morn. for KHVH in Hawaii. Try around 0300 EST. -LDB) If anyone has any spare time, write me, & I'll be happy to write back! 73's.(WELCOME to the MWDXF, Dave, & we look forward to hearing from you; and thanks for your past contributions to MWDXR. -LDB)

GREG ZIMMERMAN - 3005 So. 107th St. - Omaha, Nebr. 68124(NC-173)

Hi folk, LDB you are so right when you said a regulation should be set up to weed out undesirable people who try to criticize our editors, publisher, etc. These are the people who keep IRCA going & one insult too many might just make them quit. Where would we be then?? (All in the NRC??? -LDB) Think about it. It takes a lot of work & time to fill one of these posts. I don't think the troublemakers would volunteer. Also regarding LDB's comment on tips from novice DXers that are not of interest to experienced DXers, I have an idea. How about a special DXR for new DXers? It would contain tips that they would be interested in. Let's throw this idea around. (Who would be regarded as a new DXer??? -LDB) This would leave the regular roundups for us experienced DXers, hi, yuk. Also a column on rx's would be a good idea. Tape-sponders 3"-3 1/4" tapes. 73's.

RICK EVANS - Box 1988 - Gary, Indiana 46409

Lynn, it's always seemed to me that your coverage of reports is too broad, so that you wind up with the most typing. It seems as though N.M. & Ariz. would be considered W. Coast anyhow. (It's done by time zones, not geographical location. -LDB) Veries recently: v/1 KOEL WGEA KXEO KNJ KCJB WEXG WKND v/q CBJ WCBS WSWV KCKW WANV v/ppd KFVH v/?? KFLN. Totals 934/347, half again what it was when I started the season on 10/1/69. 73.

No! No! No! Wrap fish in style! Don't use newspaper, use an IRCA Achievement Award! Write to pub. HQ for details or see your latest set of regulations for AAC.

GENE MARTIN - 3303 East Evans - Denver, Colorado

Miscellaneous intelligence, On the Ball Department: KAPI-690 Pueblo, Colo. has been 17 kc. off frequency for four consecutive days today(1/14) & it's anybody's guess how long it might go on. It's coming in loud & clear on 673 setting up a sharp het against WMAQ when Chicago begins showing up here an hour before sundown. KAPI is a SS station & I'm wondering if their engineer maybe was brought in from Costa Rica or Guatemala. Not only is KAPI a long ways off frequency, but they have good reason to know it because I blew four bits & called them up Sunday morning to tell 'em about it. They were quite surprised over the phone, but nothing has happened. Maybe I have a new kind of reception record. Has anybody else ever spotted a U.S. station that far off frequency? And has the condition endured for four days or more?

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

It's about time for a brief re-introduction. I am nearing the end of my 3rd year of very enjoyable IRCA membership. I'm 22, single (& very likely to stay that way), a grade 5 teacher(10 yr old kids) at a local elementary school. After nearly 4 yrs of BCB DXing, I find my totals to be 544/495, states 43/43, prov. 8/8, cty 15/15, cont. 4/4. Totals include about 35 taped veries. In the IRCA I serve on the CFC, The Countries Committee, chair the Achievement Awards Committee, & am the representative on the Board of Directors for Reg. #5. 73's till next time.

BILL NITTLER - Box 112 - Englewood, Colorado 80110 (HQ-180)

V/1's in from KXRB-dx-1000, KGAY-dx-1430, & KICX-1360 for new year to bring total to 2431. Great talking to Hank Ward on his stopover at the airport this week. Conversation on Mexican stations got me counting stations logged in that country over the years & I came up with 144 logged with 71 verified. Reports to 38 Mexicans have gone unanswered over the years. 98 points in the domestic contest...watch out everybody, I'm comin' on strong! Rob Harrington's DX-bash was really something last Sat. night with 17 DXers in attendance...now to convert some of them to BCB! The IRCA stationery is all but exhausted for the time being. All orders have been filled received by 1/15/70. Watch for announcement when new stationery is available. Welcome to the IRCA, Dave Cheek...the Denver area contingent grows!

ROB HARRINGTON - 3181 South York St. - Englewood, Colo. 80110

It's been a long time since I have sent in anything. I must be slow. I had a great DX GET-TOGETHER on 1/10 also had a lot of people as 18 showed up. A tape was made to Art Peterson & we all talked about all kinds of radio from 100kc to 25,000kc. I only have rcvd 1 verie since my last note & it is from KZRB-1000 (10kw). 73s.

ROGER S. HORIE - CMR Box 1473 - Mtn. Home AFB, Idaho 83648

Reports going out at a snails pace. Very few DX tests heard here. IDB: suggest you read the IRCA Const. & Bylaws, Article X11 - sect. 1, 2, & 3. You might find it most interesting, hi. (Oh, really? How come? It is very hard to establish a case against a person using the rules set forth there. Most of the violators would stay just on the borderline. We might set forth regulations much less stringent so something could be done about such violators. This is what I had reference to in my DXF rpt of 2 issues back. Saavy! Believe me, I have read the Const. & Bylaws, although I always refer to them before making some statement concerning them!! My memory is rather faulty concerning such things. -IDB) Regarding taped veries - I think they should hold the same status as QSL's received from the stations, however they should be in a separate category. Maybe a whole new awards program could be initiated for taped veries -30 states verified, tape, etc. Although some extra work will be involved in record-keeping, this plan seems to be a working one, to me, anyway. Veries: v/q KHQ-590 KMOX-1120 KHSI-1290+PS+CM v/1 KBEQ-1500+CM KSTN-1420 & KGAY-1390 +SC+CM for test. Reports out to KXRB-1000, KAST-1370, & KCMJ-1010 for tests, & KGHI-790, KSRO-1350, & KEEN-1370. 73's & gud DXing.

LYNN D. BROOKS - 2109 Mary St. - Ponca City, Okla. 74601

Welcome to the IRCA to all new members. We seem to be gaining more new members than we're losing. Poor DEE, just means more work for him. Had a nice conversation with Phil Sullivan this past week on the phone. Just hope you can pay the bill, Phil, hi.

Please remember to double-space your DX Forum reports to make the job of your editors a little bit easier. Let's all sit down and write a report NOW! -Don E.

January 31, 1970

WEST COAST DX ROUNDUP

Page 16

Editor: Don Kaskey, Hotel El Rancho, PO Box 235, West Sacramento, Calif. 95691

- +++++
- 560 CKNL B.C. Ft. St. John, on top of KSFO @ 1015 1/4 w/NX. KPC nulled. (PM)
- 610 WDAF MO. Kansas City, mixing w/KGGM after KFRC s/off @ 0400 1/20. WDAF w/RR & many ID's. (DKK)
- 730 LPRT B.C. relaying CBU @ 0315 1/12. Presume it's CBRF as they are the only 40 watter in B.C. on 730. Location is Fornie. (PM)
- 740+HKBIG*CALIF. Avalon, 1/19 0430-0500 TT, clear voice ID's; very good, o/KCMC(REW)
- KCMC TEX. Texarkana, 1/19 @ 0350 w/C&W music. Fair thru TT's (REW)
- 780 WJAG NEBR. Norfolk, hrd very poorly, with WBBM or other carrier on, from 0115 1/12. WBBM s/on @ 0130 w/TT. (PM)
- ???? UnID. Other tester, u/WJAG @ 0120 1/12 w/very weak tone. Any of you EC DXers hear anything there? (PM)
- 800 KINY ALAS. Juneau, hrd every night lately from 0130 (sometimes as early as 2330) with RR/MoR format. Very good! KFQD also noted (PM)
- 810 KCMO MO. Kansas City, 1/19 0150 TT, voice ID; very good, well over KGO. (REW)
- 940 KFRE CALIF. Fresno, 1/17 @ 0245 cutting local KAHU to shreds. (REW)
- 970 WAVE KY. Louisville, noted 1/7 & 1/11, good w/jazz/NX/WX, about 0400. (PM)
- WCSH ME. Portland, with vy weak ID @ 0355 & 0400/NX afterwards on 1/7. Very poor sig, not enuf for rpt. My 38th state from Oregon. (PM) Nice...ed
- 980 KINS CALIF. Eureka, 1/21 @ 1015 very detailed wx forecast. O/KCTY/CKNW (REW)
- CKRM SASK. Regina, 1/19 0200 TT, voice ID, o/u CKNW/KFWB looped. (REW)
- 990 KKIS CALIF. Pittsburg, 1/17 0245 background mx; right thru local KTRG without looping. (REW)
- WNOA TENN. Knoxville, change call from WNOX. W/RR format, over all on 990 @ 0415 1/7. Very surprised. Isn't KTKT AN? (Yes..ed) Not noted though. WNOA reported. (PM)
- 1010 KLRA ARK. Little Rock, 1/19 0345 TT, voice ID; excellent, traces of CFRB behind. Much wanted, long sought. Hrd while seeking KCMJ test which was not heard. (REW)
- KCMJ CALIF. Palm Springs, DX w/phone calls from Bob Karchevski, Frank Kennedy Myself & Percy Kesteven MM 1/19 0340-0420. (FJP)
- KRVN NEBR. Lexington, 1/22 0440 TT, voice ID, excellent. Don't understand why it is still testing 1010 when tests on 880 have been going on for months already. (REW)
- 1050 KWSO CALIF. Wasco, o/all with NX & WX @ 1005 1/13. Very good signal. (PM)
- 1070 CBA N.B. Moncton, DX no chance with KNX on. (FJP)
- 1130 ???? UnID. C&W stn u/KLEI/CKWX @ 0210 1/12. Is this KWKH?? (PM) //(REW)////
- 1170 KJNP ALAS. North Pole, 1/19 0509 s/off after SSB; very good, level w/KVOO(
- 1210 WCAU PA. Philadelphia, 1/22 0330 right thru local KZOO, sign of excellent conditions. (REW)
- 1230 KWG CALIF. Stockton, 1/17 0310 mostly instrumentals; QRM KGEE, KEEE. (REW)
- **KEEE**TEX. Nagogdoches, 1/17 0305-0320 r/c; fair, KWG,KGEE partly looped(REW)
- 1240**KSMA**CALIF. Santa Maria 1/22 0314-0328 r/c; on one minute early & evidently off 2 minutes early. Fair through KSON. (REW)
- CJAV B.C. Port Alberni, w/soft MoR mx o/CFVR/CKOO @ 2140 1/14. (PM)
- 1300**KLAR**TEX. Laredo, r/c is either 2nd or 3rd Sat @ 0145-0200. Tone. (REW)
- 1340**KSET**TEX. El Paso, 1/19 0520-0530 r/c, fair thru partly looped KIST. May have been on before 0520. (REW)
- 1360 WISV WISC. Viroqua, not heard because of KGB. Thought I heard 5 seconds of Tone only. MM 1/19 @ 0110. (FJP)
- 1400 KSLY CALIF. San Luis Obispo. 1/22 0400 Rock, good w/KATI. Has goneAN. (REW)
- KQIQ CALIF. Santa Paula, 1/17 0400 s/off with SSB. (REW)
- **WDWS**ILL. Champaign. 1/22 0137 tune-in - 0146 r/c. Fair thru KPAT etc. State #20 on graveyard. (REW)
- **KATI**WYO. Casper, 1/19 0545 TT, voice ID. Very good signal. (REW) //(REW)
- 1430**KRG1**NEBR. Grand Island, 1/22 0153-0205 r/c u/KARM/KALI some KCCN splatter./
- 1440 CFCP B.C. Courtenay. 1/15 1030 NX, 1035 ID for CFCP + CFWB-1490; into MoR mx (REW) very good most mornings round about 1015. (PM)
- 1450**KPAL**CALIF. Palm Springs, 1/19 0300-0310 r/c; fair thru KUDI r/c & KRZY(REW)
- 1460 KSO IOWA Des Moines, 1/19 0645 with jingle ID. Very good signal. (REW)
- 1472**KPYW**ORE. Astoria PIRATE. Very strong (about 100w or so) with MoR mx, at 1910 1/7. This stn could be heard for a long distance w/this pwr (PM)

1480 KGCX MONT. Sidney, 1/17 0710 with local news; t/c's in MST & CST, ID lists studios in Sidney & Williston, North Dakota. (REW)

1490 KDB CALIF. Santa Barbara, Correct my listing of s/off time in Jan 3 issue from 0600 to 0400.

1550 CBE ONT. Windsor. Heard 1/22 @ 0500 with news. (REW)

1570**KOLS**OKLA. Pryor, 1/19 0645-0701 r/c, quite good despite XERF & CHUB. (REW)

1590**KTOD**TEX. Sinton, 1/21 0105 already in progress-0115; may have been moved from listed 0105-0120 to 0100-0115. (REW)

CONTRIBUTORS

DKK--Don Kaskey, Editor HQ-140 X + Loop

PM---Pat Martin, PO Box 149, Warrenton, Ore. 97146

FJP--Father Jack Pejza, 12096 Ventura Ave., Ojai, Calif. 93023

REW--Richard E. Wood, Dept. of Eur. Languages, U of Hawaii, Honolulu, Haw. 96822

RX: SP-600 & HQ-180 Loop: 3 ½ foot box loop & long wire.

West Coast DX Forum

Andy Lagomarsino - 11060 Chula Vista - San Jose, CA 95127

Greetings all. Some DX to report of late thanks to one MM when local power lines weren't arcing 9 ft., hi. Stns hrd on that infamous MM are as follows: KRNR-1490, KIRV-1510, WBNS-1460 (finally!), WTLO-1480 (at 500w PSA, no less!), WISM-1480 (a most welcomed slate 44), KPIN-1260, KTEB-1260, KAYT-970, KWIN-580, and KNND-1400! 10 newies! Veries in since last rpt are: v/1: KJNP-1170+v/q+CM+8 stn brochures, KMPG-1520, KJI & KTXK (pirates), KLLX-1310, KAYT-970, WBNS-1460, KGAL-920, KBOY-730, KOIN-970, KNND-1400 (yes, DKK), KGAY-1430, & CHRC-800+2 CM's (indicating a sharp null to the WC!); v/q: KMPC-710, KTFI-1270, KPRC-950 (hello, HWW), KELA-1470, KHQ-590, & CFRN-1260. On the subject of veries, v/s for KPUA is Hal Marques, CE; KGMB, Alvin C. H. Chang, CE. Domestic Contest points as of 1/20 are 413. 73.

ECLIPSE TEST

Last minute information just received from one of DX's immortal's, Dave Thomas now of Tampa, Florida, states the following:

"On Friday, March 6, there will be 5 stations testing for the eclipse at the time the eclipse will be over their exact transmitter area at total. The test will last 15 minutes (7½ minutes before and same after total is reached) and will consist of cycle tone or special ID signal with proper voice announcements.

"Then on Saturday, the day of the eclipse, this same identical test will be conducted again, same time. The study is to show the effects of the eclipse on radio signals----if pattern holds true, many will hear these daytime stations for the first time, on Saturday, and will not hear them at any other time." (Dave refers to articles by himself in Sky and Telescope and elsewhere, exact issues unknown; details later.)

"WE NEED GOOD MONITORS outside as well as inside the path of eclipse. Would like for them to check both days and send accurate reports on what they find.

"WPRY-1400 lkw Perry is interested in this test. (Been OKed). WGAF-910 5kw Valdosta, Georgia has OKed the test also. QR-1605, a beacon, if their government will OK a special call and two 15-minute silent periods, will join in. Amateurs with mobile units in the direct path operate on freq's 1800-1810 kc/s during these times also. WQIZ-810 and WALD-1060 have been invited to test, but had not time to reply at this writing."

Dave notes that the eclipse of the sun will take place between 1:00 and 1:40 PM EST on Saturday, March 7, 1970. This sounds like interesting research for IRCA members, especially those fortunate enough to live on the Eastern seaboard where there will be totality. RLA has recently printed details on research on the eclipse by Leander McCormick Observatory at University of Virginia. If details can be obtained, they will be presented in time for the eclipse.

West Coast DX Forum

Bruce Portzer - 14056 5th Avenue South - Seattle, Washington 98168

It's been a while since my last report so here goes the recent veries: v/1 KIGO KRPL+CM CFOX KARR KYLT+CM+SC KIOA+CM WACO KBIG KGAY-DX+CM+SC; v/f CFAM+sked+CM; v/q CBW+v/1+CBC Times WIRE+CM+SC WSM WSB (state 34) ZBVI KFRB; v/r KFAR KGMV. Total is now 746/225, 41/34, 6/6, and 26/12 after almost 7 years of DXing. At this rate I'll hit #1000 by the end of '72, hi. The infamous Jon Pearkins was down from Burnaby for a couple of days during the Christmas holidays for a gigantic MM DX session and huge talkathon. The following Monday, Danny Sys and Eldon Luoma made it down for tours of KJR KOL and the "studios" of KRAB FM (I say studios, even though garbage dump would be a better word, hi.) I never thought a station could be so run-down. Alaska Airlines will soon be flying to Khabarovsk, Siberia....who wants to be the first to go and find out which transmitters are there and which are in Vladivostock? It seems to me that our problem should be persons who drop out of the club but stay in the hobby, rather than dropping out of the hobby and staying in the club. Unfortunately it's not. Rather than going into a sermon, I'll say 73 and good DX in 1970 to everyone (well, almost everyone).

Pat Martin - P. O. Box 149 - Warrenton, Ore. 97146

Hi all; more info on the KAST test. Tnx to all for reporting to KAST on their test. The CE, Manager, and announcers really appreciated it. The test was really a success. The CE said that he would like to run another test this summer, to see what reception conditions will bring then. I'll let DEE know about this later on. If you haven't received veries from KAST as yet, you should be getting them in the near future. I read 20 reports and the manager said that there were others he hadn't answered as yet. Reports were received from Alaska, Hawaii, Wash., Oregon, Calif., Arizona, Idaho, Nebraska, Alberta, & New Zealand so far. The 1965 NRC test was heard in Sweden! Answer to AWP: I am 99% sure that the station I received on 725 kHz was Thailand as the ID at 0430 consisted of bells, and mentioned Nakhon Ratchasima, and one other city I can't think of at the moment. The broadcast was in Thai, and I'm pretty sure North Korea wouldn't have been in Thai. I do not understand Thai, but I am familiar with the language, as well as other Asian languages. Gud DX to everyone....73's.

Dan Adams - 199 Valley View Ave. - San Jose, Calif. 95127

Hi, Furd Burfel here along with good friends Fanny, Fred, Simon, Gar, and Sparkel Parkel, hi! DX wise - veries in since last rpt are: KIT, WSAI, WCKY, KFXM, KELA, KAGI, KFMB, KHOW, WABC, KUTY, KAVR, KGAY, KLUC, KAST. Rpt out to KIEV. As you can tell, there has been no DXing here in a long time due to school and weather. Last night we had a big wind and rain storm (winds over 100mph on mtns on other side of town). KYA-1260 San Fran. was off the air for over 6 hours between 7PM and 1AM PST last night (1/23). No luck at all with the WJAG test. Did they go all the way to 0330? (Yes. -DEE). KAST was in very well with the IRCA test. Sure hope KFIR will be. Thanks for sending me my verie from KLUC, Rob Keeney. 73's.

Paul S. Lotsof - P. O. Box 325 - El Cajon, California 92022

First ofly, I am amazed at the volume of response my recent forum reports have evoke. If my comments were pure rubbish, they would be virtually ignored; but the painful truth seems to be annoying quite a few. Now some issues and answers: DEE is correct that I cannot make CPC policy unless I am appointed as the new CPC Chairman. Ironically, DEE's logic applies equally well to himself! mbn: liable (sic-DEE) and slander are not unlawful, per se. They are civil cases (damage claims). Thus I remain correct that our present editorial policy provides no specific protection against liable-slander suits. To FJP and others who point their fingers of suspicion at those who contribute to DXF but not DXR: It seems entirely possible that a member could be intensely interested in the DX hobby, but temporarily unable to DX. It is always simpler to discredit or censor a critic than to consider his suggestions. (Incidentally, I feel that one good DX special is worth about 20 average DXR reports.) To LdB who suggests that IRCA expell those who disagree: this tactic has proven highly effective in Russia, Red China, and in every totalitarian regime since time began. A great piece of original thought, Lynn, and just what IRCA needs. To all who find my reports offensive: Don't read them.

Editor: Father Jack Pejza, 12096 Ventura Ave., Ojai, Calif. 93023
 Telephones: w/tape recorder: 805-646-1464; dorm phone, till 10:30 PM PST: 805-646-9183. Use EST in reports, one side of page, preferably in order of frequency and typed. Deadlines: Friday, 8 days before publication.

Geomagnetic Measurements During the Past 4½ Years- K.G. Scrimgeour

Two years ago, I wrote an article on the relation I had observed between geomagnetic index and medium wave DX on east-west paths (IRCA-DXWW, Jan. 13, 1968.) This, and extensive theoretical work by Gordon Nelson, has shown that low geomagnetic activity is a necessary but not sufficient requirement for long distance reception such as TA's from the west coast or Asia from the east.

Reception during the fall of 1969 was much improved over the previous year, with many excellent catches being reported. This suggests that the reception of good east-west DX should gradually increase now that the maximum of sunspot activity has been passed for this cycle (i.e., DX openings should be more frequent, and of better quality). The graphs in DX News of daily A_{F_r} values with reception quality marked tend to bear out the correlation between extended periods of low A and decent to good DX. (There hasn't been much from Asia in the east yet in this new sunspot cycle, but KORL has now been rated a pest in Cleveland, hi). Things seem to be getting better.

With 1969's A_{F_r} records now completed, I've gone through the geomagnetic data of the past 4½ years to see if there has been a trend in activity that parallels the DX conditions observed during the peak of sunspot activity. I've summarized a few pieces of data in a table below, based on the suppositions I've previously made, that days with A values of 15 or more are disturbed as far as BCB DX goes, and that days of A values with 3 or less are low in geomagnetic activity and hence conducive to good BCB DX.

½ Year	Average length of undisturbed periods	Number of low days	Number of high days	(low-high)	Longest period continuously below A = 15
1965b	16.6 days	61	14	47	49 days
1966a	17.0	57	14	43	58
1966b	7.3	33	37	-4	31
1967a	8.6	47	33	14	29
1967b	7.3	29	31	-2	18
1968a	5.0	18	46	-28	30
1968b	8.7	32	35	-3	42
1969a	9.0	24	30	-6	42
1969b	12.8	46	18	28	26

a= first 6 months; b= second 6 months. Low = 3 or less; high = 15 or above

To me, the most indicative figures are those in column 1, the number of days (on the average) that continuously had A values of 14 or less. (Please notice that even in the poorest reception years there were individual long periods of continuous low activity, such as the spell of 30 days during the first 6 months of 1968.) The data of column 1 seem to me to be a good measure of useful geomagnetic data-- they seem to coincide with better chances of good DX during the end of low sunspot activity and during the past fall. If indeed the average length of undisturbed periods is of value as a measure of DX probability, then it would appear that we are well on the way toward a recovery phase in the sunspot cycle and can look forward to more frequent decent reception conditions. The number of days of high activity increased during the peak of sunspot activity, and similarly the number of low days decreased (the rapid deterioration during late 1966 is most easily seen in column 4, as is the recovery in 1969). As I said 2 years ago, I feel that the examination of geomagnetic index as a physical measure that can be related to BCB

DX potential seems worthwhile, and worthy of much more study.

Russ Edmunds recently gave some details on the propagation forecasts given on WWV and WWVH every 5 minutes (NRC DX News, Dec. 6, 1969). Randy Seaver and I kept track of these forecasts for several years during the low sunspot activity, and unfortunately did not find them to be at all useful for BCB DX. These forecasts are intended for SW transmission and reception, and seldom reflected the conditions of the broadcast band when we listened. For this reason, it would be to our advantage (and probably to the advantage of users of other bands) to have current values of geomagnetic activity itself broadcast over WWV. This service would not just indicate to us the occurrence of 'auroral' conditions, but also allow more scientific measurements, and perhaps successful studies on many phenomena of propagation to be examined by DXers with their relatively unsophisticated (GPN excepted!) equipment. Perhaps an explanation of the mid-winter anomaly, variation in its effect during the sunspot cycle, more details on seasonal openings in general, and predictions of excellent reception periods a few weeks or days ahead of time could eventually be achieved.

Very well said, Gray—I hope that many wrote to WWV requesting their survey and asking in particular that the A_{F_r} values be broadcast.

Thailand Report—Glenn Hauser, Nakornrajasima, Thailand

Having located what seemed as good a place as any in the city, I moved my receiver there for a few days...and discovered an horrendous noise level that must be heard to be believed. Altho in the shadow of locals, I had hoped the barracks HNL would be reduced. To boot, somebody stole half my copper longwire the first day! Now, back in the barracks, I'm thankful for small favors. 13 Jan saw some marginal European reception, but certainly not up to par. Nothing more from below the equator; am beginning to wonder if southern Africa exists.

- 539 ... Hungary? Anything else unlikely for this lowly modulated carrier suffering from AFVN-540 splatter, with a bit of music at 1655 1/12; still there at 1714.
- 575 ??? UnIDs. Good carrier, 2.0 Hz SAH with slight audio at 1455 1/12; EBU list no help. Around this time there were carriers on almost every TA channel below 1304.
- 580 DZBB Philippines?, Malabon, Rizal, listed; I presume (hope) none of the government stations in other countries here would be carrying Back to the Bible. o/u China with $\frac{1}{2}$ Hz SAH at 1717 1/12.
... This is one of the few even channels "clear" here around sunrise (checked 1/12 at 1825-1830). Any hints on which NE USA/Canada stations might reach here under optimum conditions? Other clears are 670, 750, 1120, 1150 only.
- 670 AIR India(?), Calcutta/Nagpur, Middle East vocal music at 1212 1/12; until 1214 there was a SAH of some 2 Hz; modulation was weak; similar to or parallel to 809.5 Delhi.
- 690 APD2 East Pakistan, Dacca II, news in Bengali (intonation resembling English) about Pakistan, Nigeria; 1205 1/12. Radio Pakistan ID 1210, and seemed to list MW freqs; 1211 music. Country #42, 970 miles. Still need Cambodia, Macau, Ceylon, Sarawak, Sikkim, Bhutan, Nepal, hi.
- 700 ... Malaysia, Kota Bahru, Radio Malaysia, news in Malay 0731 1/11; good
- 765 ... Malaysia, Kuala Trengganu, Radio Malaysia, muezzin 1740 1/11; always heard.
- 802- ... China, CJKT, Peking, CC talk 1520 1/12; list 803.
- 804.5 ... Thailand (cf previous report), EE teacher explaining words, goodbye at 1527 1/12; then Thai announcement; vibraphone(?) music, hymn(?); modulation a little rough, overmodulated; 1730 relaying SW talk.
- 808.9983 Yugoslavia/England or USSR=809.0000 SAH of 70/min, i.e. 1.7 Hz, at 1522 1/12; a bit of audio. Altho, relying on EBU, Yugoslavia is a certainty, am not counting this or other SAHs yet!

- 809.5 AIR India, Delhi, het long noted here, supposed it was this. 1145 1/11, Indian music, 1159 TS, 1200 ID and news in EE. Strong: 1846 miles to New Delhi.
- 862 HSK28 Thailand, Bangkok, Public Relations Dept., seems to prefer this to its nominal 856, where heard when I first arrived, and for several weeks. In late December, to 862; for a week in early January back to 856, and now as of 1/11 at 1820; back here with Thai songs.
- 880 ... Malaysia, probably Kuala-Lumpur, ex-885, where never heard, Radio Malaysia, 6-pip TS 1830 1/10, news in EE; 1840, mand and woman alternate items in language lesson-Malay for EE speakers //1140; low het and other CCI.
- 895 ... Brunei/Iran/KP. 1/11 at 1730, noted a 6 Hz SAH, with bits of audio; also on A2, a beacon, maybe harmonic from LW, giving ID "KP" twice between apauses; cf. 1223.
- 917.01 RSFSR. Makhatch-Kala (up the Caspian coast from Baku, for you who have never heard of it either), 1559 1/12 "Midnight in Moscow" (Mayak) IS, 6 pip TS, Moskofskiy Vremya. SAH about 10 Hz (near the limit of my needlequivercounting capability!) probably from Yugoslavia.
- 926 TAZ Turkey, Izmir, Turkish talk 1526 1/12; fair strength.
- 940 ... China, Hofei, Anhwei (only listed), 1321 1/12 powerful with "that music" 1323 YL discoursing in CC.
- 944 ... France/RSFSR. Toulouse/Rostof-na-Donu, classical music of fair strength at 1552 1/12; don't know which, but both were in, per 1/7 Hz (70/min) SAH, which fits EBU of 944.0000 and 943.9983, respectively, 1553, Strauss music.
- 955 BBS Burma, Rangoon, excellent at only 415 miles for country #41 (not heard before, since on only slightly later than my local 950), 1055 1/10, evening music, 1058 EE long list of titles, brief s/off announcement, anthem 1059 and off. Hard to believe there are only 2 MW stations in Burma.
- 968.5 ... Thailand, strong, EE love songs 1345 1/12, Thai announcements, of last week 965.
- 1016 ... West Germany/Azerbaijan? 70/min SAH at 1440 1/12, slight audio. This is 1.7 Hz difference, compared with 2.7 per EBU list, but none closer or powerfuller.
- 1025 ... Israel, Tel Aviv, 1605 1/12 70/min SAH (Lots of those, no?) v. USSR; at 1607 Soviet faded and other dominated briefly in Arabic (matched sked). Country #43 at about 4350 miles.
- 1040 ... South Vietnam? Surprised to hear a familiar Australian voice here, Keith Glover, talking at 1751 1/12 mostly under Shanghai, but some phrases caught during CC pauses and by tuning to lower sideband around 1308. At 1753, clear ID as R. Australia; then music. ID in passing again at 1758; 1759 gave "The Girl that I Love" as song title, played it; but TS mixed with China's and one from third CCI station interrupted, at 1800; gave TC for 9h, AET, so live shortwave relay, then news, but China singing and little copied; abruptly at 1809 China cut to weaker strength, but Aussie fading, and no more heard. I think this must be the new Australian Forces station, somewhere (where?) in South Vietnam, previously reported in NRC without frequency,,. Unless super-power MW at Darwin westward we know nothing about.
- 1045 ... Vietnam? Rather animated talk, maybe commie, think in VV, 0740 1/11 good strength.
- 1048 ... Thailand, Bangkok, Wor Por Thos 1, consistently back here from 5 below, as noted 1/11 1828 with Thai talk.
- 1070 DZWS Philippines, Manila, Associated BC, typical filipino programming, ad for Marvel in EE (and maybe some Tagalog) 1611 1/12; US music. Hets squeezed it on both sides.
- 1080 JO.. Japan, NHK2 commonwave, 1 kw maximum, NHK melody u/North Korean 1529 1/12.

- 1106 ??? Egypt? non listed, good signal at 1357 1/12 with Middle East lively music, 1401 YL AA announcement mentioning "Arabiya...Muttahida," so UAR, right?, dominated jamming from 1100 and 1105; was a CC or some such on high side. The AA heard for several hours of sporadic checks.
- 1120 BEP26 Taiwan, cf//1260. An counting both synchros listed here, BEP26 Kaoh-siung and BEP25 Hsinchu, Provincial Police, since they were fading independently and audio was out of phase; WRTH 69 sked s/off 1100, but heard 1315 and AN. Noted again 1316 1/19, //1260, and with a SAH between then varying between 2 and 3.5 Hz, usually around 3.
- ... China, R. Peking 1100 1/19 IS like on 1210 but not //, then, would you believe it, too weak to ascertain language which followed.
- 1124 ... Libya, Bayda, a regular, nice signal at 1435 1/12, clear AA conversation mentioning Libya; some chimes in background, probably from the SAH of 76/min (1.3 Hz)
- 1130 AIR India, Calcutta, 1005 1/14 CC, 1010 TT o/Thai station, and 340/min or 5.7 Hz SAH. 1013 IS, 1015 into language. Also is on with OC and some programming mornings around 1700-1800.
- 1140 VOA Philippines, Pororua, Vietnamese 1105 1/6, logged for record. Far from QRM-free evenings, despite megawatt.
- ... Malaysia, Kuantá, Radio Malaysia, my clearest morning EE channel, fivers 1818 1/6 music, EE; no VOA or anything else to QRM.
- 1147 ... Thailand, Thai TV, drift from 1146, Thai songs 1104 1/6; is usually on past local midnight.
- 1155 ... Egypt, Cairo (Bani Suwayf), Holy Koran Station, chants 1355 1/12. ID per FBIS, although EBU sez UnID Egyptian, 1154.2COV; I'd say it was closer to 1155. To Cairo, it's 4566 miles.
- 1160 ... Malaysia, Malacca, Radio Malaysia, routine relog, 1103 1/6, news in EE; QRM de Sweet Caroline.
- AFKN South Korea?, Kwandae Ri, weak, and only 250w listed, likely source for American speaker 1408 1/12.
- ... Tadzhik SSR, Dushanbe in AA as per sked 1328 1/19, very Moscowish, but unfamiliar theme music; 1330 R. Moscow IS and into Persian (sked) ARC in WRTH70 has this at 1000kw, but I doubt it. Was weak at 2605 miles. Also a 5 Hz SAH and a bit of music QRMing; maybe Abadan.
- 1200 RTAF Thailand, Don Muang, 1/18 0730 when looking for Macau. Playing "Sugar, Sugar" (very big over here), o/u CC, het and jammer; other US rock, and no announcements until 0742 in Thai.
- 1205.005 Israel, Akko checks for 5 Hz SAH w/either Poland or France, 1205.0000, per EBU; slight audio 1430 1/12.
- 1223 ??? UnID. Carrier here may have been a TA, or belonging to beacon on A2, "KP", ID twice in Morse between pauses, exactly like 895; 1630 1/12 weak. The two frequencies have no common LW frequencies except very low trivial cases.
- 1230 ... China, Changsha, Hunan, (list) YL talk //1220 1820 1/6; Thai QRM.
- 1250 ... China, jammer pulse-type v. Moskva B.D.T. which was clearly audible thru it, 1325 1/19.
- 1259 VOA Rhodes, AA good strength 1307 1/12; ERP must be considerably above 150kw in this direction. Dominating the jammer centered on 1258, which is now grinding.
- 1260 BEP22 Taiwan, Sheng Ching Cha K.T., Taipei (Provincial Police), loud and clear at 1444 miles, dance music 1312 1/12, CC announcements 1313 and AN. IDed by //1220. Easily separably from VOA with MF.
- ... West Malaysia, Ipoh, Radio Malaysia, the lowest-powered one (5 kw), 1756 1/19, anthem resembling R. Moscow NAS theme, and "Inilah Radio Malaysia," then YL listing // outlets, 1800 TS (on their 1/2 hour!), Malay ID, into CC.
- 1280 JOHW Japan, Hokkaido Hoso, Obihiro, 1247 1/12 US swing music, announcements in UnID language, but //1290; 6 Hz SAH. Faded at different times than 1290.

- 1290 JOHR Japan, Hokkaido Hoso, Sapporo, slightly better overall than //1280, 1247 1/12; by 1300 much better, with YL JJ announcements.
- 1295 ??? Azerbaijan? Eastern-type vocal classical music 1422 1/12; 160/min (2.7 Hz) SAH; EBU doesn't fit; but Crowborough/Yugoslavia = 3.3 Hz.
- 1300 JO.. Japan, NHK 1 graveyard, 50w to 5kw, beginning NHK melody at 1453; audible under horrendous Peking carrier which cut on at 1455, but Peking audio at 1500 precluded any ID.
- 1302 ... Turkey? Albania? OC 1417 1/12 and brief TTs.
- 1340 JO.. Japan, NHK1 graveyard, all 50 or 100w, adding up to good reception, 1503 1/12.
- 1345 HSKU Thailand, Ubol, R. Thailand, good at 1818 1/19, with Thai duet, but splatter from Peking-1340.
- 1360 KSBV Ryukyu Islands, Naha, noted before but now logged, 1/19 1520 in CC with hymns, had OC before 1500. Is FEBC 100kw outlet.
- 1362.5 ... China. That theme music, 1831 1/17; 5 listed on 1360.
- 1367 ... Kazakh SSR, Petropavlovsk, 1712 1/12, CC, but with a $\frac{1}{2}$ Hz (32/min) SAH. Who?
- 1376 ... Ukraine? Vinnitza, perhaps at 1523 1/19 with Russian song and talk; Vladivostok and another Soviet listed here too.
- 1381 ... Thailand, unknown station displaying rapid frequency flutter (FM?) at 1834 1/17. Thai songs. Het and slightly stronger than 1380 but much weaker modulation. The latter may be Thai too.
- 1388 ... Thailand, probably the same as above, 0657 1/18, Thai drama.
- 1402.5 ... China. CC 1710 1/12; perhaps Wuhsi, only one listed as 1400v by FBIS... or maybe Conakry relay, hi.
- 1403 ... Thailand, 1/17 1837 very strong with Thai songs; also FM-y carrier, but not as bad as 1381. Don't confuse with China on 1402.5, hi.
- 1420x ... China, Chengchou, Hunan (chly listed), 1/7 1837 typical CC talk; het on high side; path along terminator.
- 1421 BBC Cyprus, Zyghi again with Big Ben at 1245 1/19, while looking for Apia (may have to wait till summer). WRTH70 has this up to 50kw. Noise level combined with AFTN-1450 splatter registered S8 (w/MF booster.)
- 1450 AFTN Thailand, Korat, local (altho never IDing by base or city...just AFTN-1450), logged for record at 0937 1/7 w/Tonight Show; extremely strong signal at 300 feet. Is not on 1360! I do hourly news 1300-1800 EST daily except Monday.
- 1460 ... China/RSSFSR. Some question has been raised about my conflicting loggings here...no Soviet is known on 1460, and China is in RR...My second logging, 12/13 at 1156 w/Internationale and off, was reported as USSR, but was likely Huhehot. However, the night before, at 1124, my log clearly shows "Govorit Moskva;" having heard that ID so many times, I do not recall this specific instance; I do recall, however, noting that it was not on 1457, but on 1460. I shall check further.
- 1470 DYWN Philippines, Bacolod, Negros, good at 1345 1/19. Lucky station has channel to itself; news in accented EE including a 2-day old Brody item; 1352, "Your Action Station that never sleeps for you, DYWN.Action, action, action!" and back to music. Before, had only heard AN music, but assumed this was it.
- 1480 ... Thailand, REW's UnID of some months back is local-strength here, but is also GH's UnID until he gets a tape recorder, some Thai lessons under his helmet, and is hard-up for DX. Logged routinely at 1842 1/17 with Thai talk, and a slight het audible (AH?); then a solo by man.
- 1493 ... RSSFSR. A bit of Russian here again 1835 1/6, by YL, into Music, so Leningrad, Gomel being sked off. Also signs of 1421, 1484, and 1511 this date and time.
- 1507.5 ... Thailand. Visions of a Maldiver ET disappeared at 1820 when TT monitored here, probably ex-1512, with some rough carrier heard earlier, open at 1650. At 1705 it had increased to 1508.

- 1510 AFPW Philippines, down from 1520. Faded in well long enough for an ID at 1359 1/19 as "1510 AM, 94 FM, This is...Clark." PSA, 1400, one two-toned chime and into news by a Navy journalist.
- JO.. Japan. Still another NHK2 channel, melody at 1525 1/19. Stations from 50w to 5kw listed.
- 1520 ... Zambia, well I said it was wild. NRC news item says units not yet installed; cf last week. Perhaps was next item.
- DZEM(Philippines, Rizal, 1700 1/12 s/on in EE, giving CL, mentioning Radio Control Office (Filipino equivalent of FCC), "Swinging Safari" music w/Tagalog talkover; QRM rather severe.
- 1521 ... China, (3 stations listed on 1520), man and woman in CC 1645 1/12 CJKT//645 and 660 but not //635; rapid frequency flutter when monitored with BFO.
- 1540 EED78 Taiwan, Tainan, BCC, at s/on 1700 1/19, TS, bell sounding for next minute as YL recited cities and BED's.
- 1545x ??? UnID. 1/19 1623 concert music; weak and broken modulation; after 1630, had march music and short announcements in unknown language. like a ET.
- 1546 BBC Malta? Middle-Eastern-ish music at times seeming //7140, but couldn't be sure, at 1545-1615 1/19; a het perhaps from above station.
- 1560 AFNT Taiwan, American-type station heard here until 1/2 hr after ISR, here, and 1 1/2 hr after Taipei sunrise, at 1444 miles, 5kw, would not expect such a daylight path(yes, midwinter, but Sol is higher here now than in states in summer!); 1/10 at 1852 first noted, giving out phone numbers, etc., perhaps "bulletin board." 1900 CBS news; low het QRM; tried to check //7215, but not heard. Tried 3 mornings after, but no luck. Noise in, Taipei out usually by 1815 or so. Relogged 1/13 over a fully sunlit path of almost 1500 miles at 1858 with AFRTS //1580, and 1900, ABC news relay.
- 1580 AFNT Taiwan, 1/13 1858 American stuff; at 1902 //1560 and 1590. This base is known to insiders as "CCK".
- 1586 ... USSR. 1/6 1832 was dominating WDR; "S9+" per meter, but HNL made barely reddable; only other TA carriers this date: 1493, 1511, 1484, 1421. On 1/10 not even a carrier on 1586, at 1850, not heard at 1815 either. 1/12 slight carrier, probably USSR, around 1845.
- 1590 AFNT Taiwan, Tainan was best of all three at 1904 with ID. These three channels checked every morning since, but no show. What gives?

After I had about one page of Glenn's 1/12 report typed, the 1/19 report came in, so everything above 1080 kHz is a combination of the two. Will leave the first part of the 1/19 report till next time, since it's about 2 pages.

Listeners' Loggings- East Coast

- 539 ??? Hungary? 1 kHz het on the low side of 540 on 1/7 was possibly much wanted Kossuth Radio. Was quite strong around 1710, but faded and completely gone by 1730. Worth watching. (AM)
- 566 ??? UnID heard here briefly at 0034 1/18; first showed up as bad het against 570, but was splittable into weak signal, some piano music and announcements between selections. SFB (Berline) or Ireland most likely, anyone know s/on times or beans of these? (HLH)
- 575 SDR German Federal Republic, Stuttgart-Muhlacker probably the German station here on 1/7, 2050 to after 2200. Was peaking over S9 and quite good despite local WGMS on 570. Pop and Big Band instrumental music, occasional announcements by a man and what sounded like news at 2100 and 2200. No definite ID heard, taped report sent. New here. (AM)
- ??? UnID. While listening to the GG stations above, a second station came on at 2102 with 1000 cycle tone, lasted off and on until 2108. Weak and way under the GG. Several interesting possibilities. (AM)
- 640 CMQ Cuba, La Havana heard with SS program on 1/7 at 0712-0748 with very good signal. Never heard that late before. (FL)

- 683 RNE Spain, Sevilla, heard 12/29 at 0223; good signal at times, but rough with 680 splatter. (BER)
- 750 JBC Jamaica, Pt. Maria-Port Gallina, heard with weak signal but easily read because no QRN/QRM. Heard w/"World Tomorrow" news program with GTA. Station IDed thanks to "World Tomorrow" radio log. This one logging has been mistakenly overlooked, hi! Country #6. (FL)
- HJ.. Colombia, "La Voz de Antioquia" heard with a very clear ID and program, "Una Voz en el Camino" in SS. Most unfortunately, couldn't quite get the QTH but sounded somewhat like "Medellin." Heard with ID, program ID, and very lively music on 12/29 at 0125-0134; South American #1 and country #7. (FL) (HJDK is in Medellin, Frank. Ed)
- 780 ZBVI British Virgin Islands, Roadtown finally logged 12/29 0500 s/on, but faded seconds later; back at 0529 w/religion, weather, spots. Fine signal when in, but fades are fast. (BER)
- 899 RAI Italy, Milano I excellent on 1/7 around 2130, fully as strong as anyone on 900 audible at the time. // Rome-845 but was stronger. Since hearing them for the first time this past Fall they have become a regular. (AM)
- 1090 HIJM Dominican Republic, Radio Amistad correct call is HIJM, not HIFM as I reported earlier. (AM)
- 1165 CM.. Cuba, an unlisted R. Liberacion outlet noted here at 2200 1/20. Only fair strength at best so apparently is not a high powered xmtr. (CMS)
- 1167a HJ.. Colombia. The one I reported here as possibly being Radio Colossal is of course not them as they are on 1020 and have been there for sometime. That's what happens when you put blind faith in WRTH and don't check back club bulletins for correct information, hi. (AM)
- 1220 XEB Mexico, D.F. heard with a strong signal and WEAR off. Heard 12/29, 0102-0115 with lively music and fast spoken SS. (FL)
- Midwest
- 536 ... Falkland Islands? KOL's logging of Falkland Islands (DXWW 1/17) is really Windward Islands B/C Service on 535; better play the tape back again, Kurt. Although the time of the logging is about 3 hours after ISS in Port Stanley, (i.e., a path of darkness exists), it is also some 2 hours after Falkland Island B/C Service s/off! Even with a good path you still can't hear a station that is off the air; and in this case it is only slightly less than impossible when they are on--FIBS has yet to be heard in NA on the BCB. The path is over 6000 miles, requiring at least 3 hop propagation and having both ground reflection points over land rather than water (except for some places on the WC), thus increasing the loss. (PLS)
- 650 XETNT Mexico, Los Mochis, Son. undoubtedly the one on 10/13 0719-0725 with rancho music. Echoed male/female spot 0719; DJ mentioned Radio 65 at 0720; Woody Woodpecker then used for backing for a four-year old girl in promo: "Sesenta-cinco" (65) 0724½; female jingle: "XETNT" was heard at 0725. This one has been noted for quite a few MMs about this time throughout October and November. Usually has excellent signal. (JEP) (This should have been in West Coast, sorry. Ed)
- 690 KKUA Hawaii, Honolulu 1/7 0415 with rock music o/u XETRA, weak and brief. Not heard since 10/10/61 here. Hawaiian #22. (JO) KUIA in 1961.
- 840 YVMY Venezuela, Barquisimeto s/on with NA and ID as "Radio Juventud" 0455 MM 1/19. (LBG)
- 844 VTW Gilbert and Ellice Islands, Betio presumed the one heard at various time MM 1/19 beginning around 0200 when KCA s/off. Not as strong as the previous MM. (LBG) (Larry, are you sure of the call? WRTH69 lists VSZ-1. Ed)
- 850 HJKC Colombia, Bogota has been weak on MMs of late compared with HJBI-840. At 0449 on MM 1/19 they ran a complete list of CARACOL stations, altho there was a fade half way through. (LBG)

- 900 KFRB Alaska, Fairbanks 1/5 0406-0430 with Sunday evening classics, thru CJVI OC and bits of CHML. (JO)
- 985 TI?? UnID Central American, I believe Costa Rican, noted very strong MM 1/19 0531-41 apparently just after s/on. Clear IDs were "Radio Paz" but no definite location heard. The cities of San Jose and San Isidro were mentioned, also "Radio Monumental" (Costa Rican network). Will have to try harder here. (LBG)
- 1025 EFJ15 Spain, Barcelona I think was my UnID SS heard 11/21 as the 1970 WRTH lists s/off time as 2JCO (when I heard the NA). Taped tentative sent. (LBG)
- 1090 YV.. Venezuela UnID heard with NA at 0459 1/19 MM, very weak. (LBG)
- 1170 KJNP Alaska, North Pole, 1/5 0445-0500 u-//KVOO (partially looped)... very poor signal, spots for Fairbanks at 0500 and hymns. Alaskan #10. (JO)
- 1178 VCA Ryukyu Islands. KOL's "logging" of VOA here on 12/15 (DXWW 1/3) is verrrry interesting--seeing as how the "logging" was some 4 hours before LSS in Okinawa! (PLS)
- 1200 YVOZ Venezuela, Caracas presumed the one with NA fairly strong at 0458 1/19, but I didn't stick around for an ID. (LBG)
- 1205 TIQ Costa Rica, Puerto Limon seemed to be on this frequency at s/off 0101 MM 1/19 in EE. Very strong signal and no QRM. (LBG)
- ??? UnID TA, I thought Sierra Leone, with program in UnID language (not French) 0135 MM 1/19. But there were 6 pips at 0200 which would seem to indicate Bordeaux. Maybe they were both in. (LBG)
- 1340 XEAA Mexico, Mexicali, BCN, "Radio Mexicali" 1/8 and 1/9 2300-2345 o/u KYLT/CFKC. Strong, but fades. (JO)
- 1370+ HJBO Colombia, Barranquilla believed the one mentioning this city in a commercial at 0315 MM 1/19. Not very strong, unfortunately. (LBG)
- 1420 XEKK Mexico, Tijuana, BCN, 2 kw, hah! At times //CJVR early evenings and very good 0000-0200 1/6-1/10. (JO) (John, you certainly can't mean //(parallel)--perhaps you mean "over" on this and your 1170 report? Call should be XEXX. Ed)
- 1550+ TIMET Costa Rica, Ciudad Quesada apparently is the early riser here noted with "República de Costa Rica" at least at s/on 0432 MM 1/19. That's just 0332 local time! (LBG)
- West Coast
- 652a XE.. Mexico, my boo-boo in explaining how I got this frequency. Altho I did have a SAH apparently against 650, I measured this frequency with the meter. (FJP)
- 700 HJEU Colombia, Cali apparently the one in fair 1/17 under slop from 690-- XETRA. Apparent CARACOL ID at 0522; music, talk. FJP)
- 844 VSZ1 Gilbert and Ellice Islands, Betio probably the station from 0250-0405 1/19. Signal was weak and much static. Musical program in EE and other language. One gong heard at 0400, did not hear 4 as stated in WRTH. No ID heard, taped. (DV)/ Faint music MM 1/19 0247, improving; announcement in language at 0256, 4 chimes in very quick succession, rising tones 0300, YL in language. (FJP)/ Heard 0414 1/19 one minute after FJP tip via KCMJ test phone call. (FK)/ Tentatively the station heard at 0418 1/12 with EE lessons in British accented EE. I kHz het from China-845 which, fortunately, was weak. Sent taped tentative since no ID was heard. If this was G&E, they definitely are using their 10kw transmitter. It is worth a try on WC before China dominates. (AWP)
- 850 HJKC Colombia, Bogota fair at 0455 on 1/19 with many mentions of CARACOL. Faded at 0458 and was replaced by KICY. (AEL)
- KICY Alaska, Nome weak 1/19 0458-0502. Religious music, weather and s/off at 0502 with SSB. (SEL)
- 990 XECL Mexico, Mexicali, BCN s/off 0200 MM 1/19 with song, "Hasta Manana" and (what else?) "Mexicali Rose." Off 0203. (FJP)

- 1120 ??? UnID TP at 0413 on 1/5. Woman speaking Chinese. (AEL) (Anyone know if WVUV uses CC at all? It's a little too early for Asia. Ed)
- 1161 ??? Het against KSL 1/19 0217. HJBL? Didn't last too long. (FJP)
- 1210 KZOO Hawaii, Honolulu in JJ 0355-0400 on 1/5. (AEL)
- JOOR Japan, Osaka weak at 0400 1/5 with KZOO looped out. (AEL)
- 1214 BBC England? possibly the one heard 1/7 at 0223 with "Don't Take Your Love to Town." Faded to inaudibility before record ended. Bearing toward Europe. (AEL)
- 1550 ... Asiatic RSFSR very good with opera music 0443-0449 on 1/5. (AEL)
- 4QD Australia, Emerald fair 0449-0504 on 1/5 with American pop music and comments about Australia. The Russian looped out. QRM from UnID SS and CBE after 0500 s/on. First Aussie. (AEL)

Verifications

- 640 ORTF Guadaloupe, Pointe-a-pitre sent FF v/1 in one month: v/s is R. Carrie. Also listed frequencies/powers for Martinique (1310:50 kw) and Cayenne, French Guiana (1070: 4kw), but didn't give any tips on how to hear them, hi. Made no mention of Basse-Terre (Guadaloupe) on 1420, so perhaps it is off the air. (BER)
- 650 KORL Hawaii, Honolulu, Alan Roycroft QSL cars in a couple of days. (JEP)
- 655 YSS El Salvador, San Salvador verified my 11/15 report with SS v/1. Also enclosed mini-pennant. Had a paragraph which claimed that "North American colonialism" was the cause of the conflict with Honduras. Might also be the cause of bad cx, hi. Closed with statement (translated) "Salutations from YSS- Radio Nacional de El Salvador, voice of a people who defend universal human rights!" (HLH)
- 750 KFQD Alaska, Anchorage with same v/c as 730 kHz. V/s R. Robinson Mgr., and unreadable CE. (JO)
- 780 ZBVI British Virgin Islands, Roadtown via "The CackleShop" post card, stamped and typed QSL. V/s unreadable. 6 days via air mail. (JO)
Sent v/c in 10 days from the manager (name unreadable) (BER)/ Sent PC in 2 weeks with specific verie message on back signed by the manager; country #12 verified. (BP)
- 782 CSB9 Portugal, Miramar sent a QSL card for this frequency with friendly message by Jose Carlos Botelho Moniz, Director, saying I had heard their station. However, my tape included segments for both 782 and 1034, so report sent again in hopes of a twin verie. QRA: Rua do Ceuta, 53, Porto. (LEG)
- 800 PJB Netherland Antilles, Bonaire, Transworld Radio QSL booklet for 10/13 reception came amongst EE sked, small religious pamphlet, SW DX Special invitation letter and a form letter stating that 15 minutes of reception is necessary (I sent an 8-10 minute tape). They overlooked this since it was a tape report, but "Please send at least 15 minutes next time." (JEP)
- 834 ... British Honduras, Belize sent the standard v/q for 10/13 reception signed by L.H. Young, Radio Engineer, Broadcasting Dept. for the Chief Broadcasting Officer. The stamp was of the rubber variety, reading, "Minister of Finance and Development--AMOUNT COLLECTED-- Dollars and cents--British Honduras." If you look carefully, the v/q is quite comical. (JEP)
- 845 RAI Italy, Rome sent v/q for 10/26 report; card is dated 11/24, postmarked 11/28, and was received 1/16! (Slow boat from Rome?) (BER)
- 880 KSBK Ryukyu Islands, Naha. Unsigned color card with stylized fishes, for 30 December at 1805-1815 GMT. Report sent via Thai mail, but replied via APO, with 18 15¢ stamps on envelope; 2 IRCs were sent. Enclosed copy of weekly SC magazine and fact sheet on RBC. Card specified now 5000 watts, and said, "As to what is going to happen after reversion;;;...??? We shall see. As long as U.S. troop. strength is high here, we will make money. After that, ????????" (GH)

- 885 ... Montserrat, Whatever happened to Christine Carty? (Rumour has it that she is now signing veries from Cable & Wireless Ltd on SW.) (BER)
- 899 RAI Italy, Milano, specific QSL for this station received from Rome. Took about 10 weeks, Italy #2. (AM)
- 1020 YVRS Venezuela, Radio Margarita sent New Year's card but no verie. For some reason spending \$1.25 or so to send a taped report and getting nothing but a Christmas or New Year's card doesn't turn me on. (AM)
- 1034 CSB2 Portugal, Lisbon with pretty QSL card and friendly EE letter from Jose Carlos Botelho Moniz, saying he was sending a second QSL to go along with the one for 782 received earlier. Prompt airmail reply. Also sent along some window stickers. This report received from Porto. My report to Lisbon some years ago was never answered. (LBG)
- 1035 4VEF Haiti, Cap Haitien sent QSD booklet and 3 skeds--EE, FF/EE (semi-bilingual), and SS, as my reception was for SS, EE and FF programs. I sent a FF cover letter for the tape report of 10/30/68. Only 11 months. At the time of reception there were political problems which could have prevented the tape from entering Haiti. Address: Short Wave Dept., The Oriental Missionary Society, Radio 4VEH, Boite Postale 1. Signer was Dorothy Arvine. (JEP)
- 1088 ... Albania, Tirana sent QSL folder in about 10 weeks by registered mail for some reason. (AM)
- 1145 HRQN Honduras, Puerto Cortez sent me a tape recorded message that I am counting as a verie, The announcer, Santos de Garcia (I think) said my tape of the station was played on the air. (LBG)
- 1160 HLKU South Korea, Pusan, Moon Hwa B/C Corp. I reported this station in 9/66 and received in 1½ months a very friendly v/l by registered mail (to date, my only registered verie) from John Doo Song, Producer. To my utter amazement I received a few days ago an Xmas postcard in Korean script from the new producer, Uiyong-Chung! Obviously a very friendly verifier, HLKU is probably the most worthwhile objective for WC DXers. Address: #29 Choonang-Dong, Pusan. (AWP)
- 1205 RTF France, Bordeaux sent very explicit verie message typed on picture postcard for reception 10/27, mailed surface mail on 11/27. V/s is Andre Pascal, Charge du Service des Relations Publiques. Confirmed power is 100 kw. (LBG)
- 1235 AMB1 Bermuda, Hamilton sent beautiful color postcard showing part of Bermuda on the front, and hand written personal letter signed by Lee K. Harvey, PD, for my 12/29 report. (KOL)
- 1240 XEVM Mexico, Piedras Coahuilla sent special delivery verie (although not explicit) for reception of 12/6. The v/s, Hector M. Rodriguez, says transmitter is Collins 250 watts and the station is the only one that operates AN in his city. QRA: Tepic 309 Sur. (LBG)
- 1375 RTF St. Pierre et Miquelon, sent a prompt and very explicit v/l for my report of 12/29, signed by G. Duclos, le Chef du Bureau to l'O.R.T.F. The newscast I heard at 0600 EST was a relay from Paris on 21.645 kcs. taped a half hour earlier. Country #57 veried. (LBG)

Reporters

LBG	Larry Godwin, Englewood, Colo.	AWP	Art Peterson, San Pablo, Calif.
HLH	Harry Helms, Ft. Mill, S.C.	BP	Bruce Portzer, Seattle, Wash.
GH	Glenn Hauser, Korat, Thailand	BER	Bill Raczko, Toledo, Ohio
FK	Frank Kennedy, Saratoga, Calif.	CMS	C.M. Stanbury II, Crystal Beach, Ont.
FL	Frank LaBelle, Montreal, Que.		
AEL	Albert E. Lehr, 651 West A Street, #42 Hayward, Calif. 94541	PLS	Phil Sullivan, Leominster, Mass.
KOL	Kurt Leonhardt, Blue Island, Ill.	DV	Dennis Vroom, San Pablo, Calif.
AM	Alan Merriman, Fairfax, Va.		
JO	John Oldfield, Edmonton, Alta.		
JEP	Jon Pearkins, Vancouver, B.C.		
FJP	Your editor		

FLASH!

By telephone, Mike Hardester has informed me that he has received word from the CE of KFI-640, Los Angeles, that they will have a silent period on the last Monday morning of each month, starting 1/26, for about an hour. Unfortunately he did not let Mike know exactly when the silent period would be, but it might start I would think about 0300 or 0400. We on the WC might get to hear CMQ clearly again, after at least a year. (See elsewhere this issue for further info. -DEE)

Colombian Elections

Bruce Portzer has reminded me for the second time that Colombian elections will be held early in April, according to an article in the Seattle Times. No date was mentioned, but no doubt it will be on a Sunday.

Opinion Please

I have been asked what I think of using EDT in DXM during the summer months. This would be good, I am told, for the DXR sections, as most states use DST, and the confusion could be lessened. It might make things tough for DXWW since most foreign countries do not use DST. I do not favor using DST even for the domestic sections, since we publish so infrequently during the summer. Reports of receptions during standard time would be listed in the same column with those heard during DST, adding to the confusion, not lessening it.

Japan--Michael J. Fox

After reading Ron Schatz's fine article, "Broadcasting in Japan", I chanced to notice a minor inaccuracy in one of his statements. I believe that Ron stated that Nippon Hoso Kyokai "literally means 'Japan Broadcasting Church'". The fact is that Kyokai, as used by NHK, literally means "corporation" and not "church." (Mike included the Japanese characters for the two words, which are almost identical. Ed) Both words are pronounced almost identically--the first syllable in the "corporation" Kyokai is pronounced flatly; not so in the other word.

International Waters

Radio 266 is a new commercial pirate which is planning to take to the air on Feb. 14 from a ship 4 miles off Frinton, Essex, England, according to the weekly British pop music paper Record Mirror. The first program will be a disc special tracing the career of Elvis Presley, recorded in Belgium. Although initially only 2 hours, a 24 hour schedule, all in English, will be in force by spring. The station, which a European record company and a music publishing firm are financing, will broadcast on 266 meters. Although the name of the ship has not been disclosed, it is rumored that former R. London's vessel, Galaxy, is returning to Amsterdam for a refit. (SCDX) (266 meters is 1128 kHz, in between the standard TA channels of 1124 and 1133. Ed)

Bahrain A new unlisted station is Awali Broadcasting Service, believed to be operated by Bahrain Petroleum Co., on 1230 kHz. Power and broadcasting hours are not known. Address is ABS, Box 444, Awali, Bahrain. (SCDX)

Hawaii--Jon Pearkins

Alan Roycroft (ZL1NW) sends along the following information. KORL-650, KIKI-830, KHVH-1040, and KZCO-1210, use the same tower. KAIM-870, KOHO-1170 and KUMU-1500 all use the same tower. KOHO is all Japanese programming. KNDI-1270's sked is Japanese, 1400-2100, Chinese 0000-0200, jazz and EE religion 0200-0500 s/off. KNDI "should be OK for you as it is a real gutsy old time xmitter. KIKI should be better from Dec. 1 on as we are installing new limiters and a couple of final tubes then." "Delays on KHAI-1090 going on permanent schedule should be cleared up within a few weeks." Alan's address (reports to the stations for which he is CE can be sent directly to him instead of the station, but it doesn't really matter) is Broadcast Services, Inc., 2877 Kalakaua Ave., Honolulu, Hawaii 96815. Air mail return postage is appreciated. (Most mail to Hawaii automatically goes airmail anyway, so you can save yourself 4¢ by sending it by regular mail. Ed)

DCL: Direct Coupled Loops

The usual loop is one that is inductively coupled (ICL) and has the schematic diagram in Figure 1 where T is the feedline connecting the loop to the receiver and can be made from two-wire twisted cable (of the homebrew type) to

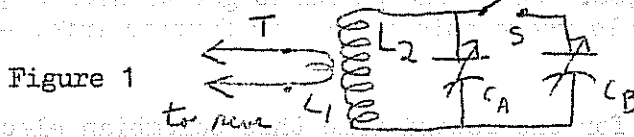


Figure 1

coaxial cable or shielded two-wire cable. L_1 is the inductive coupling which is usually one turn and almost never more than three turns. L_2 is the main loop winding usually containing 5 to 15 turns of wire--the number of turns depends upon the geometry of the frame-crossarm structure that is used, upon the spacing between the wires and the variable capacitor(s) C_A and C_B used as well as a few miscellaneous parameters of relatively small significance. The switch S is used to connect C_B in the circuit to achieve resonance (signal peak) on the low end of the BCB. In almost every BCB loop, C_A and C_B are actually two separate variable capacitors, but are mounted on the same frame and have a common rotating shaft--indeed, loop builders commonly use or consider for use only one variable--the popular "standard broadcast" 2-section 365-10 picofarad variable used by almost all radio manufacturers in the "All American Five" table radio as well as most other AM radios. The antenna is L_2 , C_A - C_B and can be in Electronics Engineering parlance: a parallel tuned tank circuit. Radio waves passing through L_2 induce a voltage causing current to flow and by adjusting C_A - C_B the parallel tank is adjusted to achieve resonance--a condition in which the signal in the antenna "peaks". L_1 "looks into L_2 by magnetic coupling since current flowing in L_2 causes current to flow in L_1 and this induced current-voltage is what is carried to the receiver by T. Now the interesting thing is that the antenna circuit L_2 , C_A - C_B is extremely inefficient and actually "intercepts" very very very very minute amounts of energy from the passing radio wave. Further, the coupling between L_1 and L_2 is at most "fair" so that an even smaller amount of signal is carried to the receiver--the figures are almost unbelievably small compared to the energy of the passing radio wave. In fact, looking at a loop theoretically on paper, it would appear to be a totally useless antenna. In practice things are even worse than paper calculations, but as well all know--loops work!!! One can only try to increase the efficiency of a loop by getting the best variable capacitor available and then design L_2 to have optimum properties and to improve upon the "sampling probe" L_1 --exactly what Gordon Nelson has accomplished in the state-of-the-art loop, the FET-Altazimuth.

The purpose of this writing is to discuss the latter condition--a way in which L_1 can be eliminated and a direct connection to the antenna L_2 , C_A - C_B made which gives a very significant improvement in signals delivered to the receiver--the DCL, direct coupled loop, an arrangement in which the line T is tapped to L_2 directly or by means of a FET preamplifier. The problem is that no superior or proper circuitry is easily accessible to exactly "match" L_1 to L_2 so that maximum energy is transferred to the receiver. So, what is the next best alternative is to voltage feed L_2 and we want to bring this voltage right to the receiver so it can utilize the loop signal to a much greater degree. But it is extremely important that this "voltage sampler" does not appear to L_2 as a low value of "resistance". Examine the diagram of Figure 2.

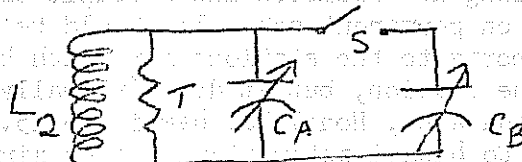
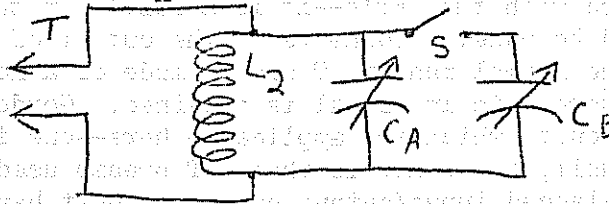


Figure 2

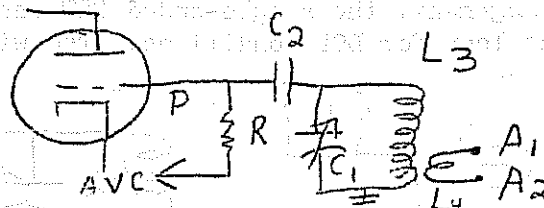
The line T and what it connects to in the receiver can be viewed as a "resistor" hooked across the ends of L_2 . If T has a very low "resistance", then the voltage induced by the passing radio wave across L_2 is severely reduced and things are worse than before! Hence, to preserve the maximum (or very nearly so) voltage across L_2 , T must have the highest "resistance" (impedance) possible. In practice if T is at least one megohm (one million ohms), results are good. So suppose you take that loop you are now using, remove L_1 and connect T across L_2 (same as connecting it across C_A): Figure 3.

Figure 3



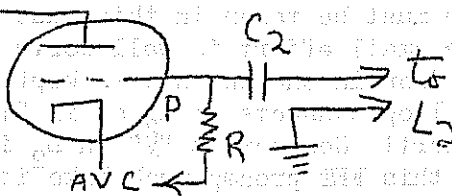
If you then attach T to your receiver as before, you get nothing because in the conventional receiver you have the circuit of Figure 4 (T connects to A_1 and A_2).

Figure 4



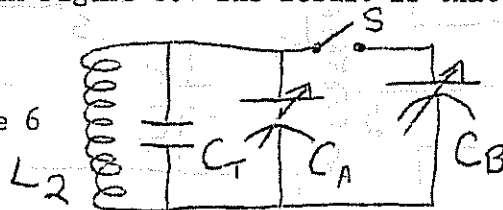
But L_4 is just a few turns of wire wound around one end of L_3 and it simply "short-circuits" L_2 --result: TILT! So connect T to V_1 , the RF stage of the receiver, as in Figure 5, disconnecting C_1 , L_3 , L_4 . Then voltage V in the loop is delivered to the control grid, pin "p" of V_1 , the first RF stage and T as a

Figure 5



"resistance" is very high--likely something on the order of a megohm. Further, the varying voltage V applied to p is exactly what "makes V_1 operate". Now you have a very significant amount of the antenna voltage delivered to the receiver. But, as life goes, so goes the law of nature: You cannot have your cake and eat it too!!! T also has capacitance associated with it and it appears across the circuit as C_T in Figure 6. The result is that your loop which previously

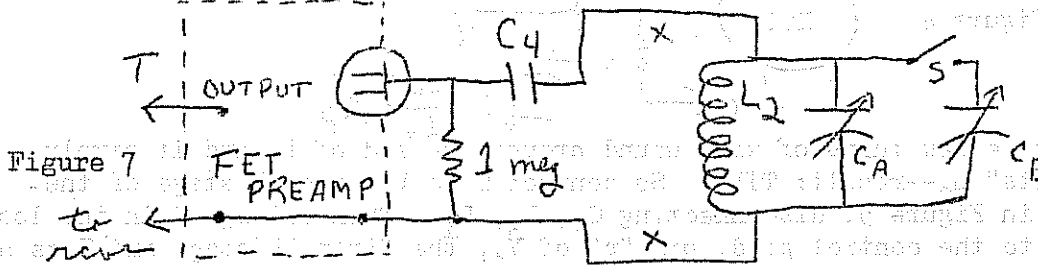
Figure 6



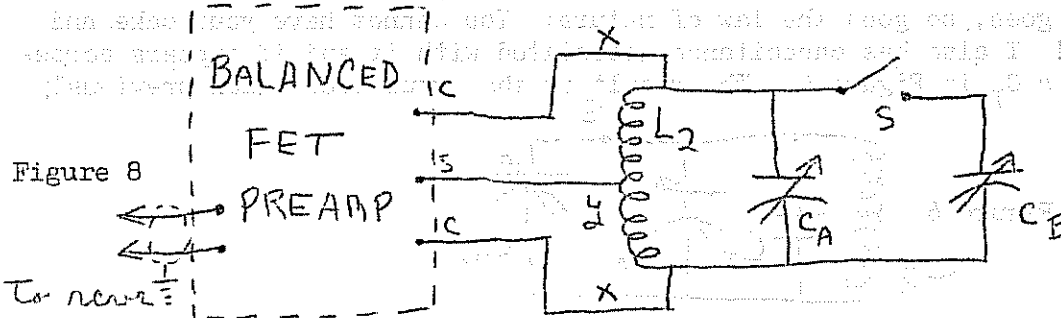
tuned to 1600 kHz does no longer! The larger C_T the lower the highest "peakable" frequency will be. The first remedy is to remove turns from L_2 , but this reduces L_2 signal pickup--undesirable but the result in many cases will still result in a significant improvement in signal strength. The value of C_T for a given type of line T depends on the length of T, the longer T, the larger C_T and the greater the reduction in top end frequency peak. Suppose for instance T is RG-58/U coax, then if T is L feet long, $C_T \approx 30 L$ picofarads. Now C_A , C_B reach 365 picofarads or so to tune the loop at 540 kHz. About 10 feet of RG-58/U will then lower the highest frequency peak attainable to the very low end of the BCB and to compensate too many turns (if not all?) of L_2 would have to be removed. The lowest valued line in capacitance per foot commonly available is 300 ohm TV twinlead which runs about 5 to 7 picofarads per foot. Thus 10 feet of TV twinlead gives C_T a value of 50-70 pf, not as

severe. Also, reducing the value of C_2 will compensate to some degree for the increased length of T, but this also reduces signal voltage at pin "p" of V_1 . The DCL gives a very marked improvement in signal-to-noise ratio at the receiver. Clearly, under these conditions T should be as short as possible.

If T were almost of zero length, then V_1 would be mounted at the antenna itself and this can be accomplished by installing a high-impedance to low-impedance "transformer" with lots of gain (better known as a FET preamplifier) right at the antenna. In fact, this is exactly the situation in the FET-Altazimuth loop when used with the FET's--it is a DCL!! In this case no receiver modifications need be made, T connects to the output of the FET and connects to the receiver in the normal manner, T can be made of a nominal length of cable and in addition even more gain in signal is obtained. Gordon Nelson has published two FET preamp circuits which are applicable here--one is a single-ended unbalanced input unit, the other is that FET preamp used in the FET-Altazimuth loop which is a balanced input/output push-pull unit having extremely high input impedance and superior high frequency stability. Information on these units can be obtained from Gordon at NRC headquarters. Since most loops are used in the unbalanced feed arrangement, the single-ended FET can be connected as in Figure 7 to your present loop for DCL conditions. The wires "x" should be as



short as possible. Some care must be taken in this case to maintain high end stability of the FET, but the small effort is well worth it since L_2 is relatively "undisturbed" so the voltage drop in the antenna is kept at a minimum. The FET preamp of the FET-Altazimuth loop connects to L_2 as in Figure 8. Again, wires "x" and "y" should be very short! Connection "y" on L_2 is at the exact middle of the L_2 winding. Mounting this FET preamp much like it is described in the FET-Altazimuth loop plans is to be recommended. In all these cases, a little patience and reflection upon the problems that can arise will give you the necessary steps to take to eliminate them.



The end result is a loop antenna, the DCL, which will prove to be a most significant improvement over the customary ICL--something serious BCB DXers can now discard as inferior! You can start by removing L_1 from your ICL and employing the above techniques to suit your needs. Of course, the FET-Altazimuth loop is a further improvement in that L_2 has been optimized to have the desirable properties necessary for BCB DXing. In conclusion--DCL: the only way to chase DX on the BCB!!!

IRCA Publisher's note: If you desire reprints of all loop articles published to date, please send a legal-size self-addressed, stamped envelope with 12¢ postage to: Don Erickson, IRCA Publisher, Attention Loop Reprints, 6059 Essex Street, Riverside, Calif. 92504. For information on the FET-Altazimuth loop, and the price of reprints, write: Gordon Nelson, NRC, P. O. Box 99, Cambridge, MA 02138.