February 13, 1988

Volume 25, Number 21

Edition 811

### In This Issue

Eastern DX Roundup	2
Central DX Roundup	5
Western DX Roundup	7
DX Worldwide West	à
Eastern DX Forum	10
Western DX Forum	11
Antennas For Standard	
Broadcast Stn Reception	12
verification Signers	15
Word For Today Station List	18
No DXWWE this week, but we ha	ave

No DXWWE this week, but we have some good Roundup sections and an outstanding Verification Signers column.



acceptable. Drawings should be done with black ink (not blue ink or pencil). Leave a  $\frac{1}{2}$  inch margin on each side of the page and 3/4 inch at top and bottom. Articles from other sources, such as the antenna article in this issue, are also good.

### RADIO ANNUAL

The M-Street Journal will soon publish its first Radio Annual, listing over 11000 AM & FM stations in the US, Canada, and northern Mexico. It will include detailled information on each station, and a summary of the stations in the top 375 radio markets. Prepaid orders received prior to publication are \$20. After that it's \$24.95. Send orders to PO Box 3568, Alexandria, VA 22302.

### Odds and Ends

### ARTICLES WANTED

We're a little short of articles for DX Monitor right now. If you'd like to write or submit some, please do. Here are some suggestions and guidelines.

- Newspaper articles are fine if they are of general interest to the club. We don't print all the ones we receive, but all are appreciated.
- Short articles, about a half page long, would be great! They come in handy as filler material at the end of the columns. You might want to write a short article on a station, or a list of stations carrying a particular program, or a very brief receiver review, or whatever. Type it up and send it in. If you can't type, send us a handwritten copy and we'll find a way to get it typed.
- Longer, feature type articles are even better! We'd prefer to see them typed on 8½x14, but 8½x11 is

### OLD RADIO SHACK PARTS

Need replacement parts for your Radio Shack whatever? You can get them from Tandy National Parts, per an item in the latest QST magazine. The place stocks 71000 parts for stuff sold at Radio Shack stores, Inventory is based on the following guidelines: cosmetic parts, 3 yrs; mechanical parts, 5 yrs; electronic parts, 7 yrs; service & owner's manuals indefinite. For more info, or to order parts, write to Tandy National Parts, 900 E. Northside Dr, Ft Worth TX 76102, or call 817-870-5600.

### THE IRCA GOODIE FACTORY

Need some good reading material? Thinking about building a better antenna? Want to buy a new radio, or modify the one you have? If so, then don't forget the IRCA Goodie Factory. It's the world's largest collection of BCB DX articles, with over 350 of them from past issues of DX Monitor. To get a goodie factory catalog, send an SASE to PO Box 21074, Seattle, WA 98111.

### EASTERN DX ROUNDUP

- Editor: Tim Kridel; Box 147; Middle Island, NY; 11953 Deadline: Saturdays
- (MB-0N) Mike Brooker; 99 Wychcrest Ave.; Toronto, ON; M6G 3X8 Sony ICF-7600D, Panasonic RF-2200
- (GH-PA) Gary A. Heisey; Box 310F RD1; Osterburg, PA; 16667 Philoo radio, GE Superadio
- (DLR-KY) David Reitz; 9332 Fairground Rd.; Fern Creek, KY; 40291 R-1000, GE Superadio, Radio West loop
- (RCR-PA) Robert C. Ritchey; RD#1 Box 738; East Freedom, PA; 16637 DX-160, 130' longwire
- (JDS-AL) J.D. Stephens; 3605-8 Chasewood; Huntsville, AL; 35805 Panagonic RF-B300, built-in ferrite
- (WW-MA) William Wyllie; 95 Peck Street; Franklin, MA; 02038-2217 Realistic Modulaire 2200, built-in antenna
- 550 WASG AL, Atmore 1-23 1810 Poor in mud w/local spots, "WASG" ID, possible C&W mx. Ex-1140. (JDS-AL)
- 560 WOOF AL, Dothan 1-23 1943 Good w/ good southern AL opening w/ "Community Memorandum," "Victory Gospel Program," gospel mx. (JDS-AL)
- 590 WKZO MI, Kalamazoo 12-9 1640 Fair/poor w/ PSA, spot for Meyer Stores. Wx for MI, many IDs, song by Neal Diamond, one of my favorites. (GH-PA)
- 600 WOKV FL, Jacksonville 1-18 1725 Good out of CBS nx, stocks, wx (6711), traffic. "The nx station, WOKV 60," "Afternoon Edition" @ 1730. (GH-PA)
- 640 WJTZ TN, Blounstville 1-17 1720 Pop/rock mx, "64 JTZ" ID, Tri-City wx, local spots, sports, into more mx. (DLR-KY)
- 660 KSKY Tx, Dallas 1-19 1828 Contemp Christian mx, ID "Christian classic, 66 k-sky." Wx, local spots, into more mx. (DLR-KY)
- 670 WYIS AL, York 1-19 1928 Oldies mx, ID "WYIS, your memories station." Wx, s/off announts "WYIS York-Livingston." (DLR-KY)
- 720 CHTN PEI, Charlottetown 1-10 2326 Good, fadey w/ song "Girl Watcher," ID "7-20 CHTN." First time noted on this freq. (WW-MA)
- 720 KSAH TX, Universal City 1-20 1832 ID in SS, then EE "KSAH, Universal City-San Antonio," into SS mx, "Radio Festiva" IDs. (DLR-KY)
- 720 WWII PA, Shiremanstown 12-31 1725 Fair in WGN null, w/ Guy Lombardo's version of "Auld Lane Syne." S/off annount ment "Due to current federal regulations, WWII must terminate our transmissions @ sunset." Off w/ SSB @ 1730. Calls pronounced as "WW2." (MB-ON)
- 730 WARB LA, Covington 1-20 1857 US Radio Net sports, local spot for Heritage Lounge, ID, then gone. (DLR-KY)
- 730 WLIL TN, Lenoir City 12-10 1730 Fair, alone w/ CNN nx, C&W mx, ID. Soon faded. (GH-PA)
- 800 CHRC QU, Quebec 12-30 1719 Fair/poor u/ CKLW, CJBQ, w/ sports trivia show asking "Who wore #10 for the Canadiens before Guy Lafleur?" Spot, fade out by 1723. (MB-ON)
- 810 WQIZ SC, St. George 1-19 1730 Good w/ s/off by YL, ment of 5 kW, back @ 0600. No SSB. (RCR-PA)
- 820 WBAP TX, Ft. Worth 1-3 2256 Fair, brief w/ C&W mx, ID. Lost to WZYQ. Not heard in a long time. (WW-MA)
- 820 WRFA FL, Largo 1-9 1755 Vgood w/ ID, C&W mx. (GH-PA)
- 820 WZYQ MD, Fredrick 1-3 2251 Good w/ C&W mx, ID "Hit country 82Q." "Live @ Gilleys" @ 2310. NRC Log lists as 500w @ night. New address is: PO Box 1129; Frederick, MD; 21701-1002. First time logged here. (WW-MA)
- 830 CFJR ON, Brockville 12-30 2020 Fair/poor w/ much background noise. (WW-MA)
- 830 KBOA MO, Kennett 1-22 1802 Fair w/ ID "KBOA," radar wx, ment of Kennett, into Neil Diamond mx. (RCR-PA)
- 830 WADU <u>LA</u>, Norco 1-19 1756 Good, alone w/ Beach Boys, Neil Sadaka. "Gold rush radio WADU," United Stns Radio Net nx. (GH-PA)

- 830 WADU LA, Norco 1-22 1805 Fair/good w/ local nx w/ man, ad for local IGA, wx, ID "WADU AM 830 Norco," Gordon Lightfoot mx. (RCR-PA)
- 840 WHGH GA, Thomasville 1-15 1800 Poor/vpoor w/ bits of s/off "serv SW GA" and "Staff and mgmt wish you and yours a pleasant good night." Data, no SSB.

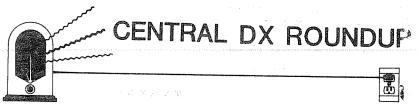
  Mx by black artists, possible NBN nx. (GH-PA)
- 840 WHGH GA, Thomasville 1-19 1717 Weak, steady w/ concert promo, ment of Thomasville. R&B type mx by Marlon ?Johnson?, ID "WHGH." (RCR-PA)
- 860 WSON KY, Henderson 1-21 1918 Good w/ local spots, Coach Eddie Sutton Show.
  "You're tuned in to the sports home of the Cards and the Cats. Sports
  860, WSON Henderson, KY." (JDS-AL)
- 870 WHCU NY, Ithaca 12-30 2015 Strong, then lost to FF stns, w/ song "Mother in Law." Heard only a few times before. (WW-MA)
- 870 WWL LA, New Orleans 1-3 0000 Fair/good w/ ID as "Radio 8-70 WWL." (WW-MA)
- 890 WHNC NC, Henderson 1-7 1713 Poor in WIS null, W/run-down of cancellations due to snow, followed by local obituaries @ 1717. (MB-ON)
- 890 WQIS MS, Laurel 1-13 1800 Fair in wtight WIS null, w/ "AM stereo WQIS in rel-Hattisburg Q89" by man. Aretha Franklin song, YL DJ, EBS test @ 1810, ID, then gone. Format seems similar to WHNC. (GH-PA)
- 900 WEAS GA, Savannah 1-19 1900 Good w/ mx by black artist, ABC Direction Fx. "Classic 900 WEAS in Savannah." Ex-WWJD. (GH-PA)
- 910 WRNL VA, Richmond 1-12 1703 Fair/good in CKLY null, w/ "Richmond's new cldies stn, playing classic hits from the 50s and 60s," jx, into Box Tops and Leslie Gore. Lost @ 1714 pattern change. (MB-ON)
- 930 WJBY AL, Rainbow City 1-23 2055 Local spots, Auburn Tigers basketball. Re
- 950 KXJC AR, Forrest City 1-18 1743 Fair w/ Hunter Supple spot, wx, "95 AM KXJC" ID, T40 mx. (JDS-AL)
- 960 KMA IA, Shenandoah 1-21 0052 Good o/ KZIM, w/ promo for the Waxford Show, PSA for Foster Parents Plan, "96 KMA" ID. (JDS-AL)
- 970 WTKN PA, Pittsburgh 1-23 2125 Good w/ local WAVG off for 5 mins, w/ Talk. net, ID "It's 9:27 @ WTKN talkradio," into network spots. (DLR-KY)
- 990 WAL? Vpoor w/ WZZD, w/ ID and not much else. Call letters heard were WAL?.
- 990 WZZD PA, Philadelphia 1-15 2135 Poor/good w/ ID. Lost to UNID stn. (WW)
- 1030 WXSS TN, Memphis 1-16 2100 Poor, deep fades w/ SS, no WBZ, w/ NEN nx, mx by black artist. Spot for Johnny Taylor show, ID, ment of Memphis. Still no sign of WNOW, WBZN. (GH-PA)
- 1030 WXSS TN, Memphis 1-17 0048 ID "The mid-south's blues capitol, WXSS," into mx countdown. (DLR-KY)
- 1050 WTPO GA, Conyers 1-22 2004 Good w/ local spots, ID, into Atlanta Hawks game. (DLR-KY)
- 1080 KRLD TX, Dallas 1-15 0710 Good w/ local nx, wx. ID "KRLD nx" by man, many ment of Dallas. (RCR-PA)
- 1080 WFIV FL, Kissimmee 1-19 1740 Good w/ s/off by man, owned and operated by Radio FL Broadcasting. Ment of 10 kW directional. No SSB. (RCR-PA)
- 1100 WGPA PA, Bethlehem 1-24 1730 Fair o/u WWWE, w/ mild rock mx. S/off by man, ment of 250 w. No SSB. (RCR-PA)
- 1100 WYKR VT, Wells River 1-23 1620 Good thru WJSM hash, w/ C&W mx. ID "WYKR" by man, ment of Dolly Parton Show. (RCR-PA)
- 1130 WDGY MN, Minneapolis 1-24 0006 Tentative, weak w/ Radarscan wx, ment of -5.
  Possible ment of MN. Call sounded like WDGY, into Larry King. (JDS-AL)

  1130 WNEW NY, New York 1-23 2107 Pair / Work 1-25 2107 Pair / Wor
- 1130 WNEW NY, New York 1-23 2103 Fair o/ WSJP, KWKH, WCXI, WBZL, w/ Super Bowl promo "Who will win? Find out here on AM 11-3-0, New York," into big band mx. (JDS-AL)
- 1140 WRVA VA, Richmond 12-30 2006 Strong w/ end of nx, into talk show "View-point." (WW-MA)
- 1160 UNID 1-15 2120 Fair/good w/ oldies. ID "Classic rock and roll atereo..."
- 1160 WTYN NC, Tryon 1-15 1745 Good, brief w/ "WTYN AM 1160. Thank you for listening." No SSB. Almost missed this. (GH-PA)
- 1180 WSAF GA, Trion 1-15 1750 Poor, brief w/ WWVA slop, w/ wx, ID by YL DJ. Rock disco type mx. Fade to WHAM. (GH-PA)

- 1190 WHIY AL, Moulton 1-19 1900 EBS(?) wx updates, ID, C&W mx. ID w/ s/off @ 1907. (DLR-KY)
- 1200 WBZY PA, New Castle 1-24 1650 Vgood w/local spots, PA lotto #s, "BZY" ID,
  "30 years of hits on AM 1200 WBZY New Castle-Sharon-Youngstowm." AP nx,
  local nx, IDs. (DLR-KY)
- 1210 WDGR  $\frac{GA}{skiing}$ . Dahlonega 1-22 1651 Fair o/u WCAU, w/ PSAs for winter driving, skiing. ID "WDGR AM 1210." (RCR-PA)
- 1230 WCOL OH, Columbus 1-16 1653 Promo for CBS NFL football on "AM 1230 WCOL." Local spots, wx. (DLR-KY)
- 1250 CBGA QU, Matane 12-30 Good w/ FF songs on a FF stn. (WW-MA)
- 1250 CBOF ON, Ottawa 12-23 1750 Poor w/ WTAE in CHWO null, w/ FF sports report. // CJBC-860. (MB-ON)
- 1270 WHYD GA, Columbus 1-19 1850 ID "I'm Wendy Williams. This is WHYD, your contemporary mx stn," into rock/pop mx. (DLR-KY)
- 1280 WHVR PA, Hanover 1-24 1635 Wx, "1280 WHVR" IDs, into pop/rock mx. (DLR-KY)
- 1280 WKST PA, New Castle 1-16 1707 PSA, Paul Harvey's "Rest of the Story," jx "WKST." Sports update, ID, into "State Farm Sports Flashback." (DLR-KY)
- 1280 WONW OH, Defiance 1-16 1715 C&W mx, ID, promo for Defiance County High School basketball on "AM 1290 WONW." (DLR-KY)
- 1290 WKLB KY, Manchester 12-6 1805 Fair w/ "The music's on us, on WKLB." C&W mx out of ABC nx. (GH-PA)
- 1300 WFFG FL, Marathon 12-10 1645 Fair, alone w/ C&W mx, spot for Domino's pizza. Wx, AEC nx @ T of hour, then local nx w/ man. (GH-PA)
- 1310 WTTL KY, Madisonville 1-18 2002 Local nx, local spots, ID. (DLR-KY)
- 1350 KDIO MN, Ortonville 1-21 0050 Poor in mud w/ "...right here on AM stereo KDIO." (JDS-AL)
- 1350 WRAP VA, Norfolk 1-18 1750 Good w/ disco mx, nat1 spots, "Chuck Meyers metro traffic," "Gash Call" by DJ. Ex-WNIS. (GH-PA)
- 1360 WCHL NC, Chapel Hill 1-16 1625 Good w/ "Here are the Jets at CHL," wx for Chapel Hill. (GH-PA)
- 1360 WWBZ, NJ, Vineland 1-24 1749 Fair w/ oldies rock mx, ID by man "1360 WWBZ," back into mx. (RCR-PA)
- 1380 WRAB AL, Arab 1-19 1932 EBS(?) wx warnings, reports of Tornado touch-downs, ID, into C&W mx. (DLR-KY)
- 1390 WXTC SC, Charleston 12-30 2009 Good in mess w/ "1390 WXTC Charleston" in middle of game. Ex-WCSC, first time noted w/ new call. (WW-MA)
- 1410 WEIM  $\frac{NY}{mx}$ , Elmira 1-24 1800 Fair w/ local ad, ID by man "1410 WEIM," into  $\frac{NY}{mx}$ . (RCR-PA)
- 1420 CJMT QU, Chicoutimi 12-30 2018 Strong w/ FF talk. (WW-MA)
- 1430 WTGR TN, Knoxville 1-25 1855 Local spot, "Power 14" IDs, promo for Feb. 13 concert @ Knoxville Hystt Regency. Wx, into urban contemp mx. Stn back on air after being silent. (DLR-KY)
- 1440 UNID 1-19 1725 Peaking fair o/ mess, w/ "Power hits Y102" slogans, rock mx.
  "Tornado watch 'til 10 pm." No ID @ bottom of hour, local spots. (GH)
- 1460 CKRB QU, St. Georges de Beauce 12-3 2025 FF mx. (WW-MA)
- 1470 WRBD FL, Pompano Beach 1-19 1944 Fair w/ "WRBD dance @ YMCA." #731-4800 and #735-WRBD, disco mx by black artists. Whistle pips noted here and on 1510. (GH-PA)
- 1480 WMAX MI, Kentwood 1-22 1700 Fair/poor in CKAN/WHBC null, w/ "WMAX, serving Grand Rapids," into relig "Talkback" w/ Bob Larson. "We're talking w/ people who have been involved in orgies and other Biblically condemned acts." (MB-ON)
- 1480 WSAY  $\frac{V_A}{WSAY}$ , Salem 1-24 1930 Vgood w/ s/off by man. ID "Inspirational 1480 WSAY," no SSB, OC for about one min. (RCR-PA)
- 1520 WVOI OH, Toledo 1-14 0210 Poor u/ WWKB, w/ mx by black artist, some jazz type mx. ID by man, lucky to get. (GH-PA)
- 1520 WVOI OH, Toledo 1-18 2222 Wx, "1520 WVOI" ID, into urban contemp mx. (DLR)
- 1540 KXEL IA, Waterloo 1-15 2104 Good behind WPTR w/ vclear ID. (WW-MA)
- 1540 WABQ OH, Cleveland 1-18 1800 Fair w/ CHIN, w/ "Celebrating Martin Luther King." Spot for auto body shop, black gospel relig format. S/off w/ data, no SSB. (GH-PA)

- 1570 WSSA GA, Morrow 1-18 1845 Good w/ "It's 6:45 here @ the wings of Atlanta, WSSA." Contemp Christian mx, jx, local spots, PSA. (DLR-KY)
- 1580 WBBR SC, Travelers Rest 1-24 1745 Poor w/s/off by man, ment of 5 kW. SSB. (RCR-PA)
- 1580 WKUN GA, Monroe 1-7 1758 Fair o/ weak CBJ, w/ local wx, snow warnings. S/off ment owned and operated by Community Broadcasting Co, w/ 1 kw. No SSB. My 38th stn on 1580. (MB-ON)
- 1580 WLIM NY, Patchogue 1-3 0225 Fair/good w/ CBJ, testing w/ Billy Joel songs, ID @ 0238 "This is WLIM Patchogue, NY testing," into Royal Guardsman song. Noted testing w/ one call or another since 1978. (MB-ON)
- 1580 WUIV NC, Icard 1-7 1719 Fair/good w/ snow warnings w/ male anner w/ thick Gomer Pyle drawl. ID, into song "Dear Mr. Jesus." (MB-ON)
- 1590 UNID 1-3 0157 SS mx o/u nulled WAKR, ID as "Somos Radio Sensacion...quince noventa...primera sintonia" @ 0200. Have never heard a CM-, YV-, XE-, or HJ-, on 1590. (MB-ON) (Jim Hall, Bill Harms- Any ideas? -TK)
- 1590 WERA NJ, South Plainfield 1-4 0200 Fair/poor, brief w/ ID, wx, and possible prayer @ 0701. First time logged here. (WW-MA)
- 1590 WJRO MD, Glen Burnie 1-4 0300 Poor/fair w/ pest WAKR, w/ "This is WJRO, Glen Burnie," into black gospel mx. 0306 talk by YL annor asked for a quests, prayers @ #761-1590. (MB-ON)
- 1590 WVNA AL, Tuscumbia 1-15 1752 Fair/good in WAKR null, w/ entertainment no 1753 ID as "4:53 in the Shoals. The afternoon report continues on WVNA," into stocks, sports @ 1756. Heard w/ auroral cx (A-index was A).
- 1600 WJQI VA, Chesapeake 1-7 1723 Fair in CHNR null, w/s/off ment FM on 94.5 "Good night from WJQI-AM, Chesapeake, VA." No SSB. Noted in 1982 as WCPK. (MB-ON)

Superb column this week, folks! They just keep getting better all the time...See y'all in seven...73s de TK...



<<<<<<<<<<<<<<<<<<<<<<<<<<<<>Call Display="1">

John C. Johnson 979 Neptune Boulevard Billings, Montana 59105-2129

All times are Eastern Local. Deadline: Saturdays

C
C
TL-IN] = Tom Laskowski, 223 Hawkins Grad House, West Lafayette, IN 47906

[5P-IL] = Dale Park, 1516 Hinman Ave. #705, Evanston, Illinois 60201-4659 KH6DX5P, Banegan ATS-803

[JCJ-MT] = Your editor using an ICOM IC-R71A with a Radio West Loop.

- 570 WAAX AL Gadsden, 1/18 poor then very poor, o/u/unIDs until fade out. 0217

  W/CEW music, woman DJ saying "Music Country", cutaway to "Big Wax

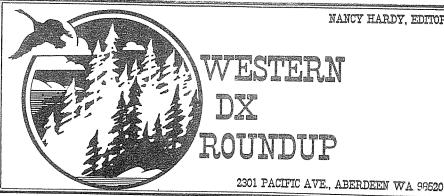
  Sports". local spots, then fade [ED 11]
- Sports", local spots, then fade. [5P-IL]

  590 WOW NE Omaha, 1/26 poor to very poor, with or o/KXOK & WKZO. 2254 W/C&W
  song by Roseanne Cash, DJ W/Slogan WWOW AW Storock and contains
- song by Roseanne Cash, DJ w/slogan "WOW AM Stereo" and spot, into song by Tennessee Ernie Ford, legal ID and local news. [5P-IL]
  620 WRJZ TN Knoxville, 1/17 fair u/WTMJ. 1729 w/Big band music, woman with ID and weather report. [TL-IN]
  - WTMT KY Louisville, 1/16 poor u/WTMJ. 1844 W/ID "62 TMT". Spot for NASCAR Races, C&W music. [TL-IN]
    - WWNR WV Beckley, 1/17 fair. 0140 w/oldies music, "The Oldies Channel" & "Magic 62 WWNR" IDs. [TL-IN]
- 660 WNBC NY New York, 1/28 good u/CFFR. 0400 W/"WNBC New York" ID before NBC News, Oldies rock format, "66, WNBC" slogan. Rare here. [JcJ-MT]
- 830 WADU LA Norco, 1/17 mixing W/KBOA, clear IDs after KBOA s/off. 1756 with gospel music, many IDs. Spot for Business In Reserve. [TL-IN]

- 900 WEAS GA Savannah, 1/17 W/WLS splatter. 1901 W/gospel music, IDing as "900 WEAS Savannah, Georgia." [TL-IN]
- 920 WGST GA Atlanta, 1/18. 0129 with Larry King, ID as "WGST, Atlanta" in fade. Mutual News for 2 minutes then back to King. [TL-IN]
- 930 WRMJ FL <u>Jacksonville</u>, EM-WJAM, 1/18. 0038 W/PSA for Florida Truckers Assn Slogan "Jacksonville's Oldies Station" and SID "WRXJ", top 40 music. [TL-IN]
- 980 CHEX ON Peterborough, 1/27 fair. 0246 W/rock music, man with "CHEX" ID, Top 40 Countdown promo. [TL-IN]
  - KMBZ MO Kansas City, 1/27 poor. 0259 W/PI Spot for Montovanni record, ID "KMBZ" heard clearly. [TL-IN]
  - WWRC DC Washington, 1/15 fair, good at times o/WONE. 1829 W/CBS Network program. 2359 very clear SID "WWRC, Washington". [TL-IN]
- 1010 WHIN TN Gallatin, 1/17. 1855 W/C&W music program "Country Crossroads", ID "10-10 WHIN", weather, sports, C&W music. [TL-IN]
- 1020 WJEP GA Ochlocknee, 1/15 poor way u/KDRA. 1754 heard only "greetings from the staff of WJEP. [TL-IN]
- 1040 WORT MY Cannonsburg, 1/11 fair in and out w/WHO. 1641 w/Christian music, WORT IDS. [TL-IN]
- 1050 WFAM GA Augusta, 1/17. 1843 W/gospel music, man with ID "Serving the... this is WFAM, Atlanta, Georgia." (Not to be confused with WFAN in NY, EX-WHM). [TL-IN]
- 1060 WRCW OH Canton, 1/14 good at times o/KYW. 1654 W/ID, news, Wx. [TL-IN] 1150 WCRK TN Morristown, 1/13 fair in mess w/others. 0610 heard ID "This is WCRK". [TL-IN]
  - WYNE WI Kimberly, 12/27 fair. 0133 W/C&W music, very young-sounding lady DJ, ID followed by sports scores, more music. [TL-IN]
- 1270 KAJO OR Grants Pass, 1/30 briefly good o/KPLY. 2037 w/KAJO weather, into
  - spot but lost. Needed, but not enough for a report. [JcJ-MT] WCBC MD Cumberland, 1/12 fair. 1705 w/Celebration promo "on 12-70, WCBC" then into local news. [TL-IN]
- 1280 ???? ?? ????, 1/24 fair to very poor u/o/u/WMRO & WGBF w/ripply signals. 0002 W/FF male w/Canaidan news. CKCV or CJMS? Help. [5P-IL]
- 1300 WKCY VA Harrisonburg, 1/16 good. 1859 W/ID "This is the valley leader... WKCY, Harrisonburg. [TL-IN]
- 1360 KHAK IA Cedar Rapids, 1/23 poor to very poor, o/u/unID w/sports & others. 2211 briefly on the tune-in w/two slogans ending w/"KHAK", one being "Country...on KHAK" before fading under unID (emphaszing KS area, who?); later popped up w/spot for tax return specialist in
- Des Moines. New, IA#6. [5P-IL]
  1370 KCRV MD Caruthersville, 1/17 fair w/WSPD. 1909 with ID and then a Laura Brannigan song. [TL-IN]
- 1410 WHLN KY Harlan, 1/13 fair. 0549 w/sign on w/SSB, SID "WHLN". about 2 seconds before local WCFY sign on! [TL-IN]
- 1460 ???? ?? ????, 1/17 poor to very poor o/u/KSO. 2315 w/"American Country
- Countdown", Caw music, probably a satellite service. [5P-IL] 1480 WSAY VA Salem, 1/16 fair. 1727 w/black gospel music, ID "Inspirational 14-80, WSAY". [TL-IN]
- 1490 WPNA IL Oak Park, 1/17 fair, on top co-channel noise. 0103 W/C&W song in Polish (or something darn near like it, as Kenny Rodgers used to sing), Man talking on phone, more Polish language music. So much for the Sunday SP! [5P-IL]
- 1520 KMPL MO Sikeston, 1/21 fair then poor, o/u/wwkB's local talk, and o/KOMA.

  2228 w/Neil Myers on Talknet, two PSAs, clear ID w/Talknet theme
  "? Missouri's Information Station, KMPL Sikeston" back to Neil. New, First Missouri station outside of St. Louis or Kansas City areas logged here. [5P-IL]
- 1600 WWRL NY New York, 1/14 poor. 1755 W/man with a traffic report, two "WWRL" IDs, also talk about Nassau County. [TL-IN]
- when the well is dry, we know the worth of water. Dale Park informs us that WMAQ-AM will retain their calls even tho since 2/1 at 0600 Westinghouse is the new owner. Format is now All-News. Dale says this is probably the first time two broadcasting companies are sharing the same calls in the same city. (Kinda like KFC selling Big Macs). Also NBC is trying to sell off the FM side, WKOX. Thanks Dale, but this should have been sent in as a forum to EDNF. I will add that the most recent press release from GE says they want to sell all FM) radio stations they currently own, closing an NBC station portfolio that (AM and was opened in 1926. Don't expect Group W to buy the rest.

NANCY HARDY, EDITOR



DEADLINES: Tuesdays through March 8, Mon. March 14 (Anniv. Issue.). 3/21 REPORTERS FOR THIS ISSUE:

(SMM) Steve Mittman-2248 West 37th St.-San Pedro, CA 90732
Realistic TRF, 3' wedge; Kenwood KRC-939 AM stereo car radio
(BN) Bill Nittler-Box 824-Mancos, CO 81328

Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118

GE Superadio, GE long-range portable, SM-2 CA, Hesperia correction to 1/2/88 WIXR: KSHO stereo simulcasts their FM, KKGO-105.1, nightly 2000-1200 ELT (or 5pm-9am PLT). 540 KSHO (SMM-CA)

730 UI, Ogden 1/27 1930 "La Mexicana, KSVN" in SS, then "KSVN Ogden-KSVN Salt Lake City in EE, into Spanish programming. SS format wont

in but not call change. (BN-CO)
CO, Rifle 1/21 2235 with Rifle-Eagle Valley BKB game, so now on 810 KWSS

830 KIKI HI, Honolulu Sa 1/16 0620 very good signal during WCCO fades. IDs as "AM stereo KIKI" & "The Oldies Channel." Promo with female:
"I listen to my Oldies Channel," into song "Johnny Angel." (SMM)

890 \*KDXU\* UT, St. George Th 12/24 testing stereo during RS of Christmes

music on Christmas Eve. Kept alternating stereo-mono-stereo-mono every 30 seconds or so! However, except for this test, still mono as of 1/25/88. (SMM-CA)

KDXU +Correction to 10/31/87 WDXR: during MM simulcast with FM, legal

IDs are "This is KDXU and KZEZ, St. George." (Not "KEZE," hi!) (SMM-CA)

KIMN CO. Denver Th 12/17 1930 good through two SS stations QRM with local Denver news. Traffic report from airborne reporter 1933.

ID at 1934, "Kim news time: 5:35." Then lost to Mexicans. First time heard since XEGM's 58-day SP back in 12/79-2/80! (SMM-CA)

(XEGM) BCN, Tijuana Th 12/17 1930-Fr 12/18 1958 noted off the air late 950 KIMN

Thurs. afternoon, the entire evening, and daytime Friday. Returned with OC & TT's Fri. evening at 1958. First time noted off midday since their 2-month-plus SP in early 1980. Frequency completely dead midday. Only KIMN & two unID SS at night. (SMM)

980 KVLV NV, Fallon 1/28 1120 surprise logging with C&W. Dialing across Theard "Just west of Fallon" mentioned & they were putting in an incredible signal. Had thought it was KSVC. First time I've ever heard this one! (BN-CO)

CA, Fortuna 1/18 started fading in at SSS, about 10 minutes after KANN cut power (see below). Probably the one at 1941 very poor under KNX-1070 splash with financial news. Two unID SS stations 1090 KNCR took over for next 30 min. In again 2013 with song "Hummingbird," then voice-over: "Thank you for sharing the day of music with

then voice-over: "Thank you for sharing the day of music with Fortuna's 1090 KNCR. More coming your way again tomorrow, starting at 7:45..." XEPRS off due to storm. New. (SMM-CA) UT, Ogden 1/18 1855 started fading in at SSS with "The Bible Answer Man." Legal ID 1858 "Christian Radio--KANN, Ogden." Into "Pocus on the Family" at 1900. Ad at 1928 for "School of Evangelism" in Ogden. Power cut 1930. Fair signal overall, but KNX-1070 splashing. XEPRS off due to storm. New. (SMM-CA) KANN

(XEPRS) BCN, Rosarito off the air (apparently due to a very severe storm) MM 1/18, all day 1/18, and most of Tu 1/19. Was still off at check Tu 1/19 1700, but back on RS at SSS 1910 check. Only second time ever heard off in 10 years of DX ing! (SMM-CA)

- 1130 KLKY AZ, Prescott Valley 12/21 1908 a surprise SSS catch with Prescott Valley news (which included ment. of a 2-hour citywide power-outage tomorrow to install new equipment!). "Mystery Voice" contest, then weather and ads. "God Bless America" at 1915; then off. Used both "K-Lucky" and "1130 KLKY" ID's. Good with KSDO looped out. New station, and new for me. (SMM-CA)
- KERI CA, Wasco-Bakersfield ex-KWSO and daytime power increase to 50kw. Heard Wed 1/6 1952 with promo-ID "50,000 watt 1180 KERI," into CBN News. 2000 into "Focus on the Family," then power cut (still audible, though). Also midday 1/7 1400 with legal ID. (SMM-CA) AZ, Mesa 1/25 0434 fair in KEIN null, heavy KCFY-KMPS slop, ID "KZZP, 104.7 FM, your #1 hit music station." No trace of KIVA.(RW) (KDIA) CA, Oakland 1/25 0433 totally off, back on RS 0900. (RW-CA) KMDK CO, Denver ex-KPPL 1/25 0900 on first day of broadcasting with "KMDK Bulletin Board" and then talk show on divorce. Well on top of frequency until 0915. (RN-CO) 1180 KERI
- 1310 KZZP
- 1390 KMDK of frequency until 0915. (BN-CO)
- 1450 KOWA CA, Escondido ex-KOWN legal ID's: Sat. 1/16 1400:15, "When friends ask, tell them you're listening to Country Classics 1450 KOWA, Escondido, " and Sun 1/17 1658 "Country Classics exclusively for San Diego County, KOWA, Escondido." All other IDs throughout the hour are "1450 KOW-AM" & "Country Classics 1450KOW-AM." Per promo, carries many Los Angeles teams sports (UCLA Bruins, etc).
  - promo, carries many los angeles teams sports (UCDA BITURES, EUC)
    Incidentally, for those interested, KOWN-FM is now KOWF. (SMM)
    7KOWA?+1/25 0515-0625 tent. under KVEN & KEST with MCRN, but no
    definite IDs heard. Per tip from Tim Hall, KOWA may now be
    carrying MCRN. Still needed here... (RW-CA) (MCRN list dated
    10/12/87 shows KOWN, now KOWA, as well as KIRX-MO, WDAD-PA, & WSMG-TN on  $1450.--\overline{N}H$ )
- CA. Sacramento Th 1/7 1402 rare midday reception. Signal very poor with local KSKQ-1540 slop. Haven't heard here midday in 1530 KFBK
- many years. Cold, wet weather no doubt a factor! (SMM-CA)

  1550 KZQQ UT, West Valley City 1/19 2130 "KZQQ is Z Rock" ID for call change, and into heavy rock music. (BN-CO)

### Help with an unID:

1470 KNX CA, Los Angeles In reference to RW's report in 1/23/88 WDXR of hearing KNX-1070 on 1470 on 1/4 (he asked, "Was KNX feeding KERCN (OC) their signal, possibly???), I don't have that answer, but this may be of interest,.. on Sun. 1/17, a severe storm hit So. Cal, knocking XEPRS-1090 off the air. While DX'ing 1090 MM 1/18, I heard KNX report (via splash!) that XERCN in Tijuana had been knocked off the air, and that they hoped to be back on "by report". morning. " Sure enough, no usual MM OC, hi! Perhaps KNX & XERCN are "connected" in some way (i.e., they trade news). That would explain how KNX knew that XERCN was off, and perhaps XERCN uses the KNX audio for testing purposes when their studio is closed (??). (SMM-CA)

### UNIDs

1/25 0937 unID fading up under XERCN-KUTY with weather for the "Treasure Valley, " then gone. KMFI??? (RW-CA)

The Anniversary issue deadline is Monday March 14 this year. Try to DX in late February-early March so that you will have a report in that special WDXR! 🛡 

DX Worldwide West --- continued from next page

### THANKS TO THESE REPORTERS:

TRH-CA TIM HALL-350 G. STREET-F-1-CHULA VISTA, CA. 92010-4505 ICF-2010, Radio West Loop DOUG LAMERSON-1777 EAST-WEST ROAD-HONOLULU, HI. 96848 DL-HI1 Superadio II, IRCA Loop DXing from Makapu'u Point O'ahu/ Superadio II and 100' Wire DL-HI2

JOHN WILKINS-4385 HOYT STREET-#205-WHEAT RIDGE, CO. 80033 ØW-CO R-1000, R-390A, 4 FOOT BOX LOOP

8

### DX Worldwide - West



PAT MARTIN PIN RINX RYR SERSIDE. OR 97138

phone (503) 861-3185 Time: UTC

DEADLINES: 2/9, 2/16, 2/23, 3/1, 3/8, 3/15.

### PAN- AMERICAN DX ROUNDUP

- 760 MEXICO, Nogales, XENY-1/3 at 1203 XE Anthem, s/on amnt, then pgm "Domingo Romantico" (romantic songs) Gave address as Av. Obregon 38 altos in Nogales. Very Good peaks w/WJR deteriorating. New #75 (ØW-CO)
- 790 MEXICO, Chihuahua, Chih. XERPC 12/16 0230. MOR SS pops, 0233 ID "Esta es XERPC, Radio Ranchito, 790 KHZ, 5000 w de potencia, 1000 w... (prob night power) then local PSA, o/u QRM. (ØW-CO)
- 940 MEXICO, Mexicali, BC XEWV 1/8 0200 A variety of mx on pgm "Radio Correo Musical" local ads, most from Mexicali. Fair on peaks w/ KIOA QRM, but long fades. Listened for 6 hours and never once did they use call letters! The onda 94 slogan was given after each song so undoubtedly the Mexicali station, but I would like to confirm the call to count it officially. TRH or anyone else help?? Finally signed
- off at 0755 no/data anmt. Listed as 1KW daytimer. (ØW-CO)

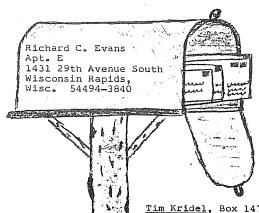
  MEXICO, Cd. Obregon, XEOBS 1/19 1400 Finally sure of their calls

  now that XEPRS-1090 silent period allows me to try and null KMX (TRH-C 1070
- 1080 MEXICO, Cd. Morelos XEDY 1/18 1300 Good with s/on over KWJJ. Ads for businesses in Mexicali, San Luis, and Yuma. Lots of IDs. Midday reg-from Palm Springs and Indio areas, not here because of XEPRS slop. New XE #114. Relogged at 2000 for new midday catch. (TRH-CA)
- 1080 CUBA, Guines-CMCU 1/18 1030 Man and woman with triditional Cuban mx and "LaCadena Habana" IDs. New Cuba #17 (TRH-CA)
- MEXICO, Monterrey XEAU 1/18 1215-28 ADs and wx forecast for Monterrey couple of IDs, mostly "1a-A-U" slogans, though. New XE #113 (TRH-CA) 1090
- MEXICO, Rosarito-XEPRS 1/18 0445 Noted off the air, presumably due to 1090 rain, winds and power outages. Remained off my  $1\frac{1}{2}$  days. Back on arounc 2100 UTC 1/19. Another local station, XEGM was off for the same period of time. (TRH-CA)
- $\frac{\text{UNID}}{\text{The}}$ , 1/18 0830 and 1040. SS songs and long speeches by little boy  $\frac{\text{The}}{\text{The}}$  only similar programming I've ever heard would have to be by 1090 a Honduran or maybe Cuban stations. (TRH-CA)
- MEXICO, Colima, XE?? 1/18. A Powerhouse hrd at 1155 s/on w/many 1210 mentions of Colima. My SS is so abyssmal I missed the call even tho they mentioned it several times. Sounded like XEUU. Is this a freq. change? Noticed here for over two months now. Any more on this?? (DL-HĬ2)
- MEXICO, Ojinaga,Chih. XEOG 12/23 0241 Ranchera mx, "Radio Ranchito" slogans, ad for local doctor, Strong on peaks o/u KVSF (ØW-CO) 1260

### TRANS PACIFIC DX ROUNDUP

- PHILIPPINES, Poro Point-VOA 12/19 1315 in Vietnamese til 1330 s/off 1143
- for Country #23. (DL-HII)

  AUSTRALIA, Grafton-2GF 12/20 1015 solid for ½ hour w/pops and plenty of Spots. QSL and stickers back in 3 weeks. Also QRM from Unid CC 1206 and another EE which I guess to be 4XO. (DL-HII) (Doug, if you would like you can send me info on your QSLs and I would be glad to add from at the end of the column and/or send them to Tim Hall
- for the Verie Signers column. PH)  $\underline{\rm 3APAH}$  , Tokyo-JOLF 12/19 1410 lots of chatter w/2 men and woman and 1242 commercial sounding stuff altho they could have been promos. Very Solid in and out for an hour or so. (DL-HII)
- OSLS 670
- GUATEMALA, Guatemala City-TGRT-F/D postcard verie for 86 reception Picked up in person by Don Moore visiting the stn. (ØW-CO) (Good going on that one.PM)



### EASTERN DX FORUM

Reports from members living east of the Mississippi River

Deadlines: Fridays
Anniv. Issue: 3/11

This column typed: 1/31/88

Tim Kridel, Box 147, Middle Island, New York 11953
Greetings from Long Island, where bad stations
never die, they just change format. Local WGBB-1240
in Merrick, NY, had switched to all talk on Memorial
Day, but ratings shrank from 0.3 to diddly in the
fall ratings. As a result, the semi-listened-to
0500 to 1000 news show will be kept, become "1240
AM News". After 1000, WGBB will metamorphasize
into WBAB-AM, relaying sister station WBAB-FM's

highly rated rock music. According to station manater Rich Sutton and WBAB PD Bob Buchmann, they are shooting for a wider audience. Both stations were purchased by Noble Broadcast Group for a Long Island record \$13 million. Another local, WNYG-1440 of Bablyon, NY, has initiated a new 24 hour schedule with a switch from pop to 50s/60s oldies, The new Ph, Warren Greene, will be the morning man come Feb. 1st. Owned by Babylon Bay Shore Broadcasting Corp, this is the same station that gave air time to pirate station RNI announcers. In a <u>Suffolk Life</u> interview, Greene said that he once worked at WnDY-1420 in Gloucester, VA, which sat over a Coca-Cola bottling plant. Every time he turned a dial when it rained, he got a shock. Sounds like a safe operation. WPRE-FM (ex-WLIR) may have a competitor if Phoenix Media Corp, its former owner, buys WRHD-1570 and WRCN-FM, both of Riverhead, NY. The \$4.5 million price tag and FCC approval are all that stands in the way. That's kind of like the Ragu-Francesco Rinaldi commercial: Sell your company and then start up a competitor. Either way you make money. I see my 930 uni in EDXR that IDed as "Kost- Coast AM 930" is really ex-WWNH in Rochester, NH. They are now WKOS. I was hoping it was a real K-call. Veries in from KTCB-1470, KSTP-1500, KBOA-830, WCNX-1150, and WEEU-850. Not bad, considering I haven't QSLed in about a year or so after being discouraged by poor returns. Postal service here has been unusual, with DXM not arriving for a week-plus at a time, then showing up in pairs, one after the other. Also, many of the POs on Long Island are closing on Saturdays to save cash, due to Washington's trimming of the overall budget. And they want to raise prices. That's it from the world's largest suburb. 73s, and best of DX...

Rick Evans, 1431-E 29th Avenue South, Wisconsin Rapids, Wisconsin 54494

Not too much to say this week. I listened last MM (1/25) but only
two new stations to add to the list: WFDF-910 MI and WHBC-1480 OH. Looks
like the conditions took a turn for the sour in late January. Saturday
1/30 was up to almost 50 degrees here (at least it hlep melt the snow off
the roofs) and the relative humidity up to at least 95% (per the cable
screen) so I switched to FM instead and find a small opening to Illinois
and the quad Cities, so I added state #5 to that log. Veries: v/q WPTF680 NC for state #17, and v/1 CHUR-840 ONT, who reamrked that he remembered
the conditions that night because WHAS could be heard 6 miles east of their
transmitter! That must be a sick feeling for a station to know their signal is being walked on that close to their towers. One request for my
reporters: Please double-space your reports. I didn't realize how bad
my reading vision had gotten until I was given some reading glasses. What
a difference two small pieces of plastic can make, hi. I am already holding one report for the anniversary issue--I'd like to hold a lot more, so
how about it? Deadline is 3/11 but there's no early date. Gotta run. 73.



### Western DX Forum

\* \* \* \*

IRCA - The #1 Choice of the Broadcast Band DX'er

Editor: Ric Heald • 8539 Bellamy Way • Sacramento, CA 95828 USA • (916) 386-8677

	1988	DEADLINI 1	S - WEEKLY	Y ON TUESDAY Y ISSUE -	11 DA	YS PRIOR TO P	UBLICATION DA	ATE	
		. 🗆 ***							
MARK	STRICKERT	, P.O.	BOX 355.	BERKELEY,	CA	94701			

KRPQ 104.9 Rohnert Park is not new. . .has been on since October '86, as "Q 105 country." Main man there, Rick Castro, worked at KSAN for awhile and decided he could do better on his own. KRPQ and KBRG dremont come in about

even most of the time except during the coldest months.

From what I've read on the KSRO 1350 situation, KZST 100.1 was really hurting them since shifting to a similar AdCon/Personality format. KSRO is essentially talk, too often NBC Talknet, with drive time news blocks.

Have noticed no change in KrBK 1530 since McClatchy sold it, except for the obvious "Group W, a Westinghouse Broadcasting station" tacked on to hourly ID. I know that when WMAQ 670 adds the same in mid-February, that will be the least of the changes. . .will be nice to hear a real "all-news" station go after WBBM 780, though the WMAQ call and the current slightly daffy local talk shows will be missed.

Speaking of Chicago radio history, anyone know which station used to be KYW? My guess would've been WIND (a longtime former Group W station), but thought I'd seen where both calls existed at the same time in the market. WIND, by the way, came not from the city's nickname, but from formerly being licensed to Gary, INDiana (transmitter is still there). It's been real tough finding old station lists. 73.

RIC HEALD, 8539 BELLAMY WAY, SACRAMENTO, CA 95828 (916) 386-8677 FRI/SAT

Howdee. Not much done on the DX scene as practically without warning, my hours got changed (as an experiment, hah!) to 1000-1800 PIT, so no more post midnight DX for now, I miss LSS and LSR is early, but a possibility. For those of you who have/do work shift work, you know it's not easy

rearranging sleeping habits.

Mark, you brought up an interesting question. I knew that KYW was in Philadelphia for years, then calls traveled to 1220 Cleveland, then back to Philly. Before the construction of BART, there were a couple of surplus (read junk, hi) radio stores on Market Street in San francisco and one store had old Radex publications plus other assorted radio related publication. I bought a '58 White's Radio Log for pocket change; interesting reading. And I do now remember someone saying a year or so ago that Rick Castro had gone to a new station in Rohnert Park. I believe he was at KSAN before their switch to C&W.

When I was at KPLS 1150 Santa Rosa in the early '80s, KZST was BFL and KSRO was unbeatable in the ratings, especially in morning drive. However, we did give KSRO serious competition during midday. For AM drive, we didn't even try to knock 'em off, hi. Their AM jock (KSRO) had been there over 20 years, was a local popular fixture and now a second generation was listening to him. But in the fall '81 book, KGO came in second. So much for local market, hi.

bp, enjoyed your comments regarding DX while on the road. That's one thing I miss not being in the travel biz. I had either my hot Sony AM/IM or the TRF along, the Sony having traveled to London, Amsterdam, Greece and Istanbul and the TRF to Monte Carlo, Nice, Hawaii, Mexico, Houston, El Paso, etc. Of course hearing many more states east of the Rockies makes sense because they're much smaller in land size than western states. That's what blew me away when I moved to upstate New York (Rockland County) was hearing 30 states in less than a month plus Canada and the Caribbean. But then again, all the Caribbean countries are less distance to New York than West Coast to Hawaii. It was really bazare to be listening to a Turkish station with their MoR music and right in the middle of a set, English disco singer Tina Charles. A little out of place, hi.

Deadline for the Anniversary issue is closer than you think. Larson has already sent his. And when you send in a regular forum, why not include a separate anniversary forum? Will save you some postage.

A short one this week. See y'all next time around. 73 de RtH. .

### ANTENNAS FOR STANDARD BROADCAST STATION RECEPTION

### GENERAL

The Commission has received many requests from radio stations as well as individuals requesting information regarding antennas for broadcast station reception of CONELRAD ALERTS.

### OBJECT

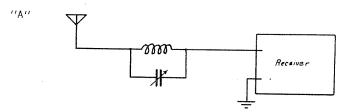
This document describes various types of antennas and auxiliary equipment that may improve reception in fringe areas or may reduce co-channel or adjacent channel interference.

### DISCUSSION

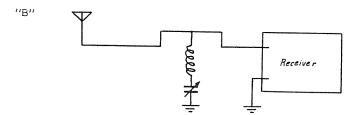
In all cases it is advisable to locate the receiving antenna as far from a source of interference (such as radio transmitters or transmitting antennas) as possible and to use coaxial or shielded transmission line to the receiver antenna terminals, as shown in Fig. 1.

If the receiver is used in close proximity to a radio transmitter it may be necessary to install the receiver in a shielding compartment, as indicated in Fig. 1, and to provide a shielded trap at the input to the receiver. Such a trap should resonate at the frequency of the interfering transmitter.

The trap may be of the type shown at "A"



or of the type shown at "B"



If the receiver has a high impedance input it will often be found that the trap connected across the receiver antenna and ground posts (type "B") will be superior for eliminating the undesired signal.

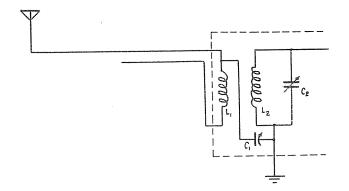
Traps, of course, are only suitable when the desired signal and the undesired signal are on different frequencies.

If the undesired signal is on the same frequency as the desired signal a directive antenna is usually necessary provided both stations are not in the same direction.

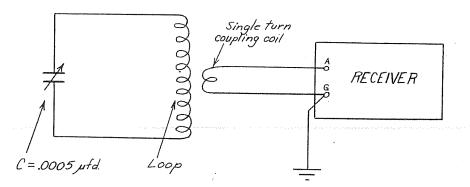
If the interfering signal has groundwave characteristics a loop antenna may prove suitable (see Fig. 2 for dimensions) by orienting the null towards the undesired station. If the interfering signal has skywave characteristics, a loop will not be as effective but might improve reception.

In cases where the desired signal is weak or where skywave interference is severe a "Beverage" antenna may produce a worthwhile improvement in reception (see appendix for details).

The "Beverage" antenna is probably the best antenna for standard broadcast reception where high gain and/or high directivity are necessary. It does, however, require considerable space and is costly.



The antenna can be a piece of wire approximately 80' long, supported in any conventant open location. The counterpoise should parallel the antenna about half the antenna length and spaced about six inches from the antenna.  $L_1$  should be a broadcast high impedance primary a  $\mathcal{L}_1$  about 50 to 60 turns;  $C_1$  is the "balancing" condenser and should be a small variable, probably 0.0035 mfd will prove suitable in most cases.  $L_1$  should be inductively coupled to the tuned input circ and the receiver. In use, the desired signal is tuned in by the input circuit, and the balance condenser adjusted for best reduction in noise. When properly adjusted, this circuit will make a very taken of improvement in the signal to noise ratio.



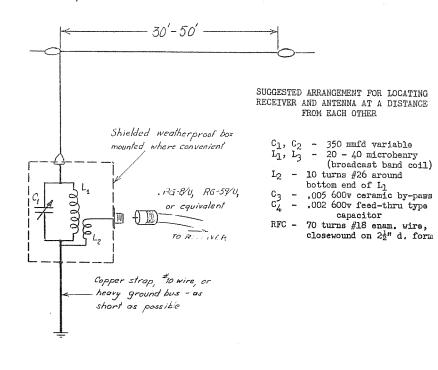
### LOOP DIMENSIONS

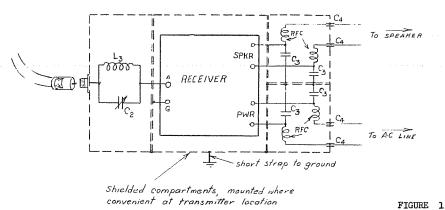
13 turns #20 wire, wound on a square form 12 inches on a side, 1/8 inch spacing between turns.

### COUPLING COIL

1 turn #20 wire, wound inside loop and spaced approximately 1 inch from loop winding.

Note: Lead from coupling turn to receiver may be short length of flexible, twisted wire.





Vertical receiving antennas with properly tuned and phased reflectors and directors are a possibility for improving reception but the cost is usually prohibitive.

For an article on methods of noise reduction, see Proceedings of the Institute of Radio Engineers, March 1939, page 188, for a paper on "A New Antenna System for Noise Reduction", by V. D. Landon J. D. Reid. The authors suggest the following simple diagram as a typical circuit that is effective in the reduction of man made noise entering the receiver through the power cord.

The preceeding article was taken from a hard to find FCC publication dated April 1, 1958. Thanks to Glenn Kippel for sending it.



### Verification Signers



TIM HALL, 350 G St. F-1 Chula Vista CA 92010 Deadlines: Last Fri of the Month - 2/26 3/25

~~~								
FRE	2 CALI	SIGHER'S NAME / TITLE	ADDRESS			TAKE	HHEN	 WHO
546	) CJS	) JOHN R. PITCHER, CE	1504 MERIVALE RD.	NT AND AND	war /	·····		
	KNA	CHARLOTTE LEAVITT, OFF HE	R. PO BOX 636	DELTA, HT	RZE 51	ta Ln	584	TK
	KSHE	ROBERT F. TURNER, CE	10880 WILSGIRE BLVD.	LOS ANGELES. CA	90024	LT i	10	SBP JCJ
550	KUSA	BILL R. SCHMIDT, ENG SUPV.	10155 CORPORATE SQ, BOX	12430 ST. LOUIS.	10 63132	I R	10	TK
540	KSFO	MARK MANUELIAM, CE	JOO BROADWAY	SAN FRANCISCO.	A 94133	DNR+	74	SEP
570	KLDD	HUE BEAVERS, CE	PO BOX 50189	DALLAS, TX	75250	LH 1	7-23 JI	
580	WVHI	KUBERI IHURNION, CE	PO BOX 4565	BILOXI, MS	39531	LB	5	1:
200	CKUA	SIEVE KUGERS	24 BYNG AVE.	KAPUSKASING, ON	PSH 1X	5 PL	30	R⊉
	KJMM	DICH HEAT EV BUNER	4TH FL, 10526 JASPER AVE	E. EDMONTON, AB	T5J 1Z	7 PLB+	- 21f	TF
	KZHX	TRACY DACTION OUNCE COMICE	4701 N. SWAN	TUCSON, AZ	85718	Ł	26	₽.
	KZNX	MICKIE HANGON OEL RED	ROY 911	HOT SPRINGS, SD	57747	L	21f	TE
	HDBO	REN BICKEDON CM	BUX 611	HOT SPRINGS, SD	57747	P	84	T#
	NHP	HAURICE GANNAHAY DID ENG	4142 JUHN YUUNG PKBY	ORLANDO, FL	32804	L	10	KW:
	₩TAG	( UMSIGNED )	20 EDANNI IN DT	)/ HARRISBURG, PA	17105	LM Q P	4	37
590	KAQQ	BARRY A. WATKINS. PD	20 FRHRELIN SI.	NUNCESTER, MA	01613	Q	7	T/
	KID	KELLY BECKSTEAD. PD	PO DOY 1540	SPUKANE, NA		P	16f	TR:-
		[ ALTERNATE ADDRESS: 1	1749 JEPPEGN	IDANO PALLS, ID	83403	P+	8f	TR.,
	MEEI	JOHN CONKAY, CE	4450 PRIDENTIAL TOWER	TURRU PRLLS, ID	8340 <u>1</u>	_		
600	KSJB	HARVEY VAN EREM, CE	PO BOX AGO	IAMEETONA NA	02199	Đ.	4	1%
	KTBB	MAYNE BLACKWELDER, CE	PO BOX 7935	TVIED TV	35402	UL.	7	J5
	MICC	( UNSIGNED )	177 STATE ST.	RRINGEDADT OF	/3/11	ĽĦ\$	32	19
610	KCSR	DOUG ADDOTT, OP MGR.	BOX 931	CHADRON, NE	40277 40777	n n	4	TX.
	KFRC	PHILLIP ????, CE	500 HASHINGTON ST.	SAN FRANCISCO. C	1	0	17f 4	TRE
630	CHED	GLENN TRACY, CE	[ # MAY '85 ]	EDMONTON. AB	•	Gt	fff	SBC
	KYUK	ARTHUR A. JABLONSKY, CE	[ # ] 7777 BONHONNE AVE.	ST. LOUIS. NO	63105	0	8	TK
	KXUK	KEN HEACHAN, CE	[ SAYS HE'LL SEND THE CAI	RDS OUT 'SOMEDAY', F	ER PHONE	CALL 1	U	JD
640	HUBT	BUN CULP, CE	4400 JENNIFER ST. NW	WASHINGTON, DC	20015	Q .	44	JD
010	#LKY	JULIA MESTERACHER, EX SEC'Y	4554 FLEHING RD.	COLLIERVILLE, TN	38017	L#+	8	JD
650	RKKU	DAULD B ACTION DR	**************************************	WESTFIELD, MA		LH	15	MB
	HSM	BEN DICKERSON, GM MAURICE GAMMANAY, DIR ENG. ( UMSIGNED ) BARRY A. MATKINS, PD KELLY BECKSTEAD, PD ( ALTERNATE ADDRESS: ) JOHN COMMAY, CE HARVEY VAN EREH, CE MAYNE BLACKWELDER, CE ( UMSIGNED ) DOUG ADBOOTT, OP MGR. PHILLIP ????, CE GLENN TRACY, CE ARTHUR A. JABLONSKY, CE KEN MEACHAN, CE DON CULP, CE JULIA HESTEMACHER, EX SEC'Y CURTIS H. HAHN, PRES. DAVID M. ACALEY, BH TOH BRYANT, PROD. MGR. DELFRED SMITH, CE ALLEN POMER, PD ( UMSIGNED ) JAVIER MALDONADD, ANNCR. I # PICKED UPP IN PERSON BY ( UNSIGNED )	BUX 1060	HIBDING, MM	55746	LEM	19	JCJ
660	KTHN	DELEPED CHITH CC	DO DON OCTO	MASHVILLE, TH	37202	Ω	5	TK
	WESC	ALLEN POWER PO	PU BUX 2367	HINDOW ROCK, AZ	86515	LKB	31	SBP
	HNDC	( UNSIGNED )	TO BUY DOO	GREENVILLE, SC	29402	LB DB	8	JD
670	TERT	JAVIER MALDONADO, ANNER.	SO INDEREFELLER PLACE	MEM YUNK, NY	10020	ÐΒ	9	TK
		I # PICKED UP IN PERSON BY	DOM HOODE VICITING CTATIO	POHIENALA CITY	GUAT.	Ō	04#	98
		( UNSIGNED )	and moduly visiting stated	CHICAGO, IL	10154	_		
680	HENN	BOB MAYBEN, CE, &				Ð	15	TK
		JOHN TALBERT, ASST. CE	209 CNN CENTER	ΔΤΙ ΔΝΤΑ ΕΛ	70707	Δ1	_	
	WRKO	JOHN TALBERT, ASST. CE ROBERT H. SHITH, CE	3 FENNAY PLAZA	BOSTON, MA	02215	QL.	5	JD
690	WAPE	JID NEBRY, DIK. FREINFERING	0407 DECEMPU on num and	*********		LH L	8	TK
700	MLH	( UMSIGNED ) P.E. CRIBBLE, CE MS. TOWIE STANLEY, ENG MGR. MALT WILLIAMS, PROG MGR. ( UMSIGNED ) MINSTON H. LOYD, CE BART MICHAELS	3 EAST 4TH ST., SUITE 700	CINCINNATI. OH	45202	QB.	6f	JD
710	CHYR	P.E. CRIBBLE, CE	,	LEAMINGTON. ON	10202		16	TK HB
740 750	KHEO	MS. TONIE STANLEY, ENG MGR.	3719 H. 32ND AVE.	PHOENIX, AZ	85017	LB	50	JCJ
760	WSB WYD	MALI WILLIAMS, PROS MGR.		ATLANTA, GA	30309			. TK
770	WJR Wabc	(UNSIGNED)	2100 FISHER BLDG.	DETROIT, HI	48202		25	TK
110	HYRV	MINDIUM H. LUYD, CE	1330 AVE. OF THE AMERICAS	NEW YORK, MY	10019	Q	6	TK
780	HZZX	CICCY CAMPACIA		CEDAR BLUFF, VA		LMD 1	18	MB
790	WERA	SEEE LOVETT OD MOD	PO BOX 597	LINEVILLE, AL	36266	L		KVJ
800	CKTM	MALLY NOWLAND OF	PU BUX 120	CAIRO, GA	31728	L	6	KVJ
	PJB	JANET LIIRI AM	1640 UULETTE - BOX 480	WINDSOR, ON	N9A 6N6	LB	19	TK
810	KCMD	IIUAD CUITNE CE	INK, ENGLISH MAIL SERVICE	BONAIRE, NETH ANT	W.I.	QL+	27	JH
	KWWS	DEAN H. ANGELL	DON TOTAL	KANSAS CITY, MO	64111	L	11	JD
	MGY	LOUIS N. CORRETA	BUA 1210 BUY 1410	KIFLE, CO	81650	L .	45	JCJ
	MJXL	WILLIAM E. BUSSEY	20 171V 20 171V	SCHENECTADY, NY	12301	Q+	7	TK
320	WAPO	PHIL PATTON, OWNER / GM	79 H MAIN ST	JACKSUNVILLE, AL	36265	L :		KVJ
		MIKE JACKSON, CE	29 W. MAIN ST	TACRER TO	3/347	L :		KVJ
30	KBOA	JOHNNIE R. NEWTON. CE	BOX 509	PENNETT NO	3/347	L :		KAI
	WADU	VIRGIE DU TREIL, CO-OWNER	1535 E. AIRLINF HWY	I DI DI DI LA	70010	LMB :	12	TK
	ACCO	MINSTON H. LOYD, CE BART HICHAELS SISSY CAMPBELL JEFF LOVETT, OP MGR. MALLY DONHAN, CE JANET LUDLAM LLOYD COLLINS, CE DEAN H. ANBELL LOUIS M. CORREIA MILLIAM E. BUSSEY PHIL PATTON, OWNER / GM HIKE JACKSON, CE JOHNNIE R. NEWTON, CE VIRBIE DU TREIL, CO-OWNER ( UNSIGNED ) ( UNSIGNED )	625 2ND AVE, SOUTH	MINNEAPONIC MM	7000B	L 1	0	JD
50	MEEN	( UNSIGNED )	34 M. 4TH ST.	READING. PA	10401	6 j	4	TK
				nemining FH	17001	MB++ 1	2	TK

FREQ		SIGNER'S NAME / TITLE	ADDRESS			MHAT	WHEN	NHO
840		DAVID HETZ, CE LEE ANN WILLIAMS OLIVER,MGR	3218 MULBERRY AVE. PO BOX 418	MUSCATINE, IA HENDERSON, KY	52761 42420	L L+	12 14	KA1 1H
870	MKAR	JOHN HAWKINS, CE	[ + GLASS COOKIE JAR ! ]		48824	LN+	134	TRH
010	HAL	JOHN HAMKINS, CE HUGH R. BURNEY, DIR TECH SVCS JOHN DICK, GM BARBARA SIHONS ( UNSIGNED ) TED LOWE, JR. BREHT CHRISTENSEN, CE JIE. HYDE, CE MILTON THURLOW, CE	1024 M. RAMPART ST.	HEN ORLEANS, LA	70116	QLB	19	TK
880		JOHN DICK. 6H	[ # NOV '84 ]	BONZALES. CA	, , , , ,	L	1.7	PH
		BARBARA SIHONS	[ * DEC '84 ]	GONZALES, CA		P		PH
	WCBS	( UNSIGNED )	51 H. 52ND ST.	NEW YORK, NY	10019	Ð	26	TK
900	RKXA	TED LOWE, JR.	1518 BROADWAY & LEONARD PL	KNOXVILLE, TN	37917	L	9	KVJ
910		BRENT CHRISTENSEN, CE	[ HAM CALL = MAOSTS ]	HAYMARD, WI		LMB	25	MB
920		J.E. HYDE, CE	601 CENTRAL AVE.	FARIBAULT, MN	55021	Ð	7	JD
	Mest					BMB+	13	MB
	MKAD	MISS PEGGY EILAND, STN MGR.	PD BOX 8 PO BOX 2020 PO BOX 40	,	36420	L	6	KAJ
930		AUDREY ROSE	PU BUL 2020	PARADISE, CA		LP	14	SBP
	KSEI	RON PRICE, CE [ * VERIE-STATEMENT WAS SC	TU BUX 40 DIBIER ON A TOON DIECE O	POCATELLO, ID	1.1	L#M	8	SBP
	DATH	LEE GRAY, CE	510 MAIN ST. / HCU BLDG.	QUINCY, IL	62301	P	94	TRH
940				ST. ISNACE, HI	52501	LHB	15	MB
,	#KYK	MICHAEL THORNHILL. PD	PO BOX 744	BURNSVILLE, NC	28714	LHB	16f	JD
950		BARBARA NARAHORE, TFC MGR.	1524 ADELINE	HATTIESBURG, MS	39401	LH	5	JD
	MXFM	KERIN C. BARNETT, STN MGR. HICHAEL THORNHILL, PD BARBARA NARAHORE, TFC MGR. HILLIAM POORMAN, OWNER/CE KEVIN FLETCHER, STN MGR.	PO BOX 22300	INDIANAPOLIŚ, IN	46222	LH+	8	JD
940				HARSHALL, AR	72650	L+	7	JD
	KBIR	E now 1220 I CHUCK MARTIN	BOX 611 - 324 BROADWAY	CAPE GIRARDEAU, NO		LrB+	56	TK
980		( ILLEGIBLE ), PRES.	PO BOX 142	DANVILLE, IL	61834	PB	18	TRH
1020	KDKA	DIANA FAYE HAUDER, INTERN	ONE GATENAY CENTER	PITTSBURGH, PA	15222	LB	15	TK
	VUTO	ROBERT TAYLOR, R. PROG ASST.		PITTSBURGH, PA	15222		10,13f	TRH
	KM10	W.E. LAWRENCE, GM LINDA BUTLER, COMM REL DIR.	[ # NOV '84 ]	MOSES LAKE, WA EAST PEORIA, IL	61611	P L	ff 130	PH Trh
1030		( UNSIGNED )	1170 SOLDIERS FIELD RD.	BOSTON, MA	02134	Ď.	30	TK
1040		( UNSIGNED )	1801 GRAND AVE.	DES MOINES, IA	50308	g	16	TK
1050		THOMAS FRANKLIN, ENG. SUPV.		ASTORIA, NY	11106	0+	218f	JD
		[ ALSO RECEIVED A NEW ( NF		,				
1060	KY#	( UNSIGNED )	INDEPENDENCE HALL EAST	PHILDELPHIA, PA	19106	6	8	TK
1070	) CBA	S. ROY	BOX 450	MONCTON, NB	EIC BNB	QBM+	22	TK
	KFDI		PO BOX 1402	WICHITA, KS	67201	OLM	7	JD
	KNX	ERIK DISEN, DIR TECH OPS.	6121 SUNSET BLVD.	LOS ANGELES, CA	90028		6-8	
	HIBC	( ILLEGIBLE ), CE	9292 N. MERIDIAN ST.	INDIANAPOLIS, IN	46260	DB DB	7f	JD
1080		( ILLEGIBLE ), CE DAVID E. HARBAUGH [ M6TUM ] JACK HYDEN, GM  D.A. WALSH, ENG. W.H. PHILLIPS, GM JIM MAGWER, ASST TECH DIR.	BUX 1080	SANTA CRUZ, CA	95061 32344	L H#	20 11	KA1
1070	, with	OHER RIDER, OR	I & UEDIE DN COUEDARE MAD	MONTICELLO, FL	31344	114	**	740
1100	) HANNE	D.A. WALSH. ENG.	1250 SUPERIOR AVE.	CLEVELAND, DH	44114	L	22	TK
1110		W.H. PHILLIPS. GM	PO BOX 426	BAY MINETTE, AL	36507	Ĺ	12	JD
	HMBI	JIN WAGNER, ASST TECH DIR.		CHICAGO, IL		Q+	123	KB
1120	) KHOX	JIM BUTLER, DIR TECH OPS.	ONE HENORIAL DR.	ST. LOUIS, NO	63102	L	31	TK
1140	CISS	( ILLEGIBLE ), TECH DIR.	804 16TH AVE. SW	CALGARY, AB	T2R 0S9		27	BN
	KRSR	BOB BERZINS, OP MGR.	BOX 14805	LAS VEGAS, NV	89114	LrB	7	BN
	K\$00	GERRY VAN LOH, CE	2600 S. SPRING AVE.	SIOUX FALLS, SD	57105	P	23 f	TRH
1150		ROBERT NORRIS, PD	830 DILFIELD AVE.	SHELBY, MT	59474	P	8f	TRH
114	HCNX	JOHN PARKS, CE	BOX 359, RIVER RD.	MIDDLETOWN, CT	TUTUI	L QLD	7 17	TK Tk
1160		BETH BABCOCK, PROG. ASST. PAULA ANDERSON, ADMIN ASST.		MHEELING, MV	60601 26003	OLD+	11	TK
1170		JOHN BRADIEV PD	ARAS RIVERREND RD	BOULDER, CO	80301	PLB	96	TRH
/-	MONO	( UNSIGNED )	203 W. MAYNE	FORT WAYNE, IN	46802	QD	11	TK
	ANTD	( UNSIGNED ) EDWIN P. ALLEN III, ENG. CHARLES BERRY ERIC KEHEM, CE	5205 S. DRANGE AVE.	ORLANDO, FL	32809	L	130f	KVJ
1200		CHARLES BERRY	PO BOX 1331	OZARK, AL	36361	Lr	130f	KVJ
121	) KONY	ERIC KEHEW, CE	PO BOX 2588	ST. GEORGE, UT	847.70	L	58	SBP
	KREH	DON BENKETT, [ M7IVE ]	DOX 111	SUNNYSIDE, HA	98944	L	35	JCJ
_	MCAU	( UNSIGNED )	CITY AVE. & HONUMENT RD.	PHILADELPHIA, PA		LB	611	TK
1220		JONAS BRIDGES, GN	PO BOX 1220	KINGS HOUNTAIN, NC			8	JD
1230			5382 S. 320 WEST, #D-272			L	8	BN Bu / au
125		ANN BLACKFORD, 6H	DRAWER 'Y' BOX 1250	WICKENBURG, AZ		LB P	7-10 10f	BN/8N TRH
	KTTK	CLARK FLETCHER, GM BRIAN HENRY, OWNER	BOX 1250 PO BOX 1520	FORSYTH, MT WILLITS, CA			8	SBP
	KWSU	DENNIS HAADSASED SH		PULLMAN, MA		ē.	68	201
	MIZZ	AL HOLL. 6H	PO BOX 377	PULLMAN, WA STREATOR, IL	61364	Ĺ	9	KVJ
127		MARVIN PANGBURN, CE	[ * JAH '82 ]	GRANTS PASS, OR	Fig.	L		PĦ
	HLBR	GLENN WAPBRIGHT, CE	BOX 1270	LEBANON, PA	17042	QB	10	TK
								BM
128	) KXKL	RICHARD E. DOUGLAS, ENG.	1165 DELAWARE	DENVER, CO	80204	L	108	
128	) KXKL		1165 DELAMARE PD BDX 5023	HISSOULA, HT	80204 59806	P	108 15f	TRH JD

FREQ		SIGNER'S NAME / TITLE	ADDRESS			MHA	T WHEN	#HO
1290	MHKY		PO BOX 1059	HICKORY, NC	28603	L	8	KVJ
	MKLB	LARRY BARKER, PRES.	106 RICHMOND RD / BOX 448	MANCHESTER, KY	40962	Lr	12	KVJ
	HTHX	JIH BROWNELL	RTE 2, PO BOX 96	LYNCHBURG, TN	37352	Ł	8	KVJ
1300	KAKE	SIEVE DAVIS, CE	5801 E. 41ST ST., #900	TULSA, OK	74135	LB	21	, JD
1310	MOOD A	DUN RISSAD, CE	180 N. DIVISION	GRAND RAPIDS, HI	49503	LMB	· 8f	JĐ
1320	WIDA Kzam	LEUNAND CHARLES, CE	PO BOX 99	MADISON, WI	53701	L+/F	9-13f	JD/TRH
1340	CIBO	KAY SLAIUN, PRUMU DIR.	BOX 1123	EUGENE, OR	97440	· L	45	PĦ
1340	KACH	DODEDT ELLE CM	PUSTAL BOX 180	BROOKS, AB	TOJ OJO	P	20 f	
	KCEH	NAME WATTE MED	BUX 235	PRESTON, ID	83263	P		BN/TRN
	KTHP	VOLLECT BALLE POD	104 1060	AZTEC, NH	87410	P	25	TRH
	WGAU	I APPY ENGIANA BD MCD	1 * 1 74 5. RAIN 51. 85	HEBER CITY, UT ATHENS, SA	84032			B.
	HNSA	VICTOR PERRY OF HOR.	and Bubbik HILL KD.		30410		8	Kv-
1350	WGIA	LARRY ENGLAND, OP MGR. VICTOR PERRY, STN MGR. JAMES HOORE, GH TON HILL. CE	DE ROAMED 410	HALONE, HY		LHB	12	E.
1370	KCRV	TON HILL, CE	רט מתאשבת מוץ	BLACKSHEAR, GA		LB	11	<b>3</b> D
	KDTH			CARUTHERSVILLE, HO		L	62f	KVJ
	KGNO	MARC KARRHANN, CE JERRY MILLER, CE ANDRE HARTELL-STEEL,OFF MGR. GREGORY LAMB, ASSI CE FRED COMPTON, CE DOB GIFFORD, PD CHARLIE FERBUSON, PRES/GM MIKE MAY(?), PD CHARLIE MICHAELS, STN MGR. RAY BISMOP, DP MGR. DAVID MANCE, GM I PLUS A LOCAL MEMSPAPER CI	QUE ENUTATION / DUA 1200	DUBUQUE, IA DODGE CITY, KS	52001	LĦ	142	TR
	KXTL	ANDRE MARTELL-STEEL OFF MGR.	RDY 3788	DUDGE CITT, KS	6/801+	L+	12	TN
	METC	GREGORY LAND. ASST CF	AND THE PITY STRAFF	DULLE, DI	37/02	LRH+	13	65
1390	KHIX	FRED COMPTON. CE	PO ROY 170	THOUGHT CA	9/4U] BE701	LB	75	13
	KMRY	BOB GIFFORD, PD	1551 NE AATH AVE.	BES MOINES IN	73381 50717	LB	23	SEP
	KRRZ	CHARLIE FERBUSON, PRES/GM	216 S. BROADWAY / ROY 10	MINUT ND	50702	r B	11f 0f	TR:
1400	KDRG	HIKE HAY(?), PD	BOX 811	DEER LODGE, MT	59722	p p	8f	TR!
	KLIN	CHARLIE MICHAELS, STN MGR.	BOX 30181	LINCOLN. NE	ARSOT	i	7	CH.
	KSRR	RAY BISHOP, OP MER.	1400 M. 400 NORTH	OREM. UT	84057	ī	7	BH
	MDHY	DAVID HANCE, GM		DANSVILLE. MY	01007	I MR+	19	MB
		I PLUS A LOCAL MENSPAPER CL	IPPING ABOUT HIS RECEPTION	REPORT ! EXCELLENT.	. HIKE !	T	2H 1	· in
1410	MHHL	J.C. BURNS, CE	PO BOX 2657	MOBILE, AL	36652	LB	67	Jh
1420	₩VJS	JEFF ARMETT, CE	BOX 1828	OWENSBORO, KY	42302	LMB+	72f	JP
1430	HHGS	HIKE LEVINE	PO BOX 1466	TIFTON, GA	31794	L	824	KVJ
1440	WFTQ	DOM BORDONARO, CE °	19 HORWICH ST.	WORCESTER, HA	01608	LB	11	TK
1450	KATR	LARRY SELZLE, CE	[ * JAN '87 ]	GREELEY, CO				BN
	KEZJ	KELLY KLAAS	BOX 346	THIN FALLS, ID	83303	L	5	BN
	KQDI	M.R. BURCKHARD, CE	BOX 6760	GREAT FALLS, HT	59406	Lr	5	JCJ
	KXXL	I PLUS A LOCAL NEWSPAPER CL J.C. BURNS, CE JEFF ARMETT, CE MIKE LEVINE DUM BORDONARO, CE LARRY SELZLE, CE KELLY KLAMS M.R. BURCKHARD, CE TOM MEIR, CE FRANK MARTINEZ, MX DIR. D. MICHAEL SHUETT, MX DIR. DENISE EVANS, TFC DIR.	1450 M. KAGY BLVD.	BOZEHAN, MT	59715	P+	28f	TRH
440	KKCS	FRANK HARTINEZ, HX DIR.	[ * SEPT '86 ]	COLORADO SPRS, CO				脚
1470	KBSN	D. MICHAEL SHUEII, MX DIR.	PO DRAWER D / 2241 W.MAIN	HOSES LAKE, WA	78837	. <b>P</b>	15f	TRH
480	KTCB HVCF	DENISE EVANS, TFC DIR.	BOX 379	MALDEN, MD	63863	LMB	7	TK
1490	MTRL	WAYNE BURDICK, GM	DD DDU 1404	OCOEE, FL		P	260f	KVJ
500	KSTP	NOON CATTALON CHE CHOL	PU BUX 1490	BRADENTON, FL	33504	L	262f	KVJ
300	HTOP	MAYNE BURDICK, GH JACK CARON, DP HGR. NORN PAETZNICK, ENG SUPV. ( UNSIGNED ) ( ILLEGIBLE ), GH NICK FORLIDAS [ FORN LETTER ELIZABETH A. SCHULENBERG.	Z/YZ MAPLEMOUD DR.	MALDEN, HD OCCEE, FL BRADENTON, FL ST. PAUL, HN	55109	F	9	TK
510	KHSE	( ILLEGIBLE / GM	1046 4UIH 51. KW	WASHINGTON, DC	20016	Ð.	9	TK
	HLAC	NICY FOR IBAC I FORM LETTER	CICHER ON DATE DETERMINE	UNIARIU, CA	91761	P	9	BH
	WHRE	ELIZABETH A. SCHULENBERG,	STOWED BU' WHILL WHINZING ]	NASHVILLE, IN	37203	L	46f	TRH
	WHITE.	PROGRAM COORDINATOR	74 I ANCHOUNC OT	DOGTON WA				
520	₩WKB	PROBRAM OORDINATOR  L WKBW 1 TOM ATKINS, CE  PATTY CORD, OP MGR.  JIM WILLIAMS, END.  SCOTT J. HILLER  TED K????, CE  JOHN A. DAUER  JAMES SEAREN, CE L MAZAJM 1  CARD PLASTER(2). CE	AGS DELAMADE AVE	BUSIUM, MA	02215	LB	16	TK
	NSVL	PATTY CORD. OP MER.	PO BOY TTO	CUELDVILLE TO	14209	LB 1		TK
530	CISV	JIN WILLIAMS.ENG.	ROY 1570 C now 1570 blts 1	SUCCESSAIFFE IS	101/b DAC 244	LHB	11f	.1D
	KCTT	SCOTT J. MILLER	PR RRY 100	VEHILLE AD	79487	L	84	81
	MCKY	TED K????. CE	501 CAREN TOWER	CINCINNATI ON	/ 208/ #E202	L	160f	KVJ
540	KXEL	JOHN A. BAUER	BOX 1540	MATERIAN IA	43202 5070 <i>8</i>	un E	17	TK
	WPTR	JAMES SEAMEN. CE [ WAZAJM 1	BOX 12779	VILLUT IN	20/04 12212	FIR	8	TK
570	<b>WFRL</b>	CARL PLASTER(?), CE	BOX 810 / 834 N. TOWER PO.	EDEEDUDT 11	12212	LH	13	TK
580		BILL BAKER, GM	, so, at town ND.	AURORA, IL	1107	P/L LB	8-9f J	
	HKUN	DERAL MORRIS, PRES / GH	702 E. SPRING ST.	HONROF, GA	てのよちち	FN+ FR	15 7	MB JD
	WPMO	HANS ATWOOD, CE	5115 TELEPHONE RD.	PASCAROULA NO	705L7	LM#	7	
	HVKO	JOHN MAROCCHI, CE	4401 CARRIAGE HILL LANF	COLUMBIIS. ON	してつつん	TH+		JD Jh
590	KJET	CATHY KELLER, PROHO DIR.	[ * NOV '83 ]	SFATTLE, MA	10574	ru.	. 6	· PM
.,.	KKAY	MICHAEL P. LEBLANC, HGR.	PO BOX 797	DONAL DECONUTINE IA	44707	L	23	KVJ
	VIIDO	G.M. SHIMERMAN, CE	PO BOX 609	GREAT BEND, KS	17530	₽P	23 27 <del>1</del>	
	KVGB			neunt vo (	11 320			TRH
	KYDE	JERRY MASON, 6H	818 N. UNIVERSITY DR	PINE RUBER AD -	71401	ı	140	V117
	KADE Kade	JERRY MASON, 6H MARK E. POMPEY. CE	818 N. UNIVERSITY DR. 233 S. BEAUDRY AV. #1720	PINE BLUFF, AR	71601	1 7	148	KVJ D / TDU
003	KYDE Kyde Kyny Kyry	JERRY MASON, 6H MARK E. POMPEY, CE ROBERT ?,ASST ENG E KABZHI 1	818 N. UNIVERSITY DR. 233 S. BEAUDRY AV. 01220 E. THANKS FOR VOUR HELP MIT	PINE BLUFF, AR LOS ANGELES, CA H THIS TOWN	71601 70012 TPU 1	L 30	)-31 SB	P/TRH
003	KYDE Kyde Kyny Kyry	BILL BAKER, GM DERAL MORRIS, PRES / GH HAMS ATMOOD, CE JOHN MAROCCHI, CE CATHY KELLER, PROMO DIR. MICHAEL P. LEBLANC, MGR. G.M. SHINEKMAN, CE JERRY MASON, GH HARK E. POMPEY, CE ROBERT ?, ASST EMG I KABZHL 1 ROBERT ?, ASST EMGINEER JOHN JENSEN, CHIEF RAMGER	I THE VERIE EVEN ARRIVED I	N TIME FOR THIS COLL	BMH 1 7	L 30	148 )-31 SB 9f 6	

WHAT was received: Q=QSL card, L=Letter, P=Prepared card, Lr=rpt used as verie, D=Bumperstickers, M=Nap.
WHEN did the reply come: Mumber of days elapsed. f = Follow-up report ( or phone call ) was necessary.

HELP WANTED SECTION:

( Having trouble verifying a station ? Here's where to ask the membership for help!)

Can anyone supply a current signer for any of these stations ?

540	WDAK-GA	(JD,TRH)	550	KTSA-TX	(JD)	540	KLVI-TX	(JD)	560	KWTD-HO	(JD)
610	HTVN-OH	(JD)	820	NOSU-OH	(JD)	910	KGTC-OK	(JH)	920	CKCY-ON	(JB)
940	HIHZ-FL	(JD)	960	K21H-H0	(JD)	970	HKLS-GA	(JD)	1000	KTOK-OK	(JD)
1030	KFAY-AR	(JD)	1070	HDIA-TH	(JD)	1120	HOXM-GA	(JD)	1130	WBZL-IN	(JD)
1140	MKCH-KY	(JD)	1210	#BIU-LA	(JD)	1320	KELO-SD	(KVJ)	1370	KCRV-NO	(JD)
1370	NDEF-TN	(JD)	1380	WACK-6A	(JD)	1390	WHER-HS	(JD)	1390	HTJS-TN	(JD)
1420	KRCG-GA	(JD)	1470	KLCL-LA	(JD)	1490	KHET-CA	(TRH)	1580	KFMH-IA	(JH)

TIPS MARKED WITH AN ASTERISK(\*) ABOVE ARE PAT MARTIN'S, BILL NITTLER'S, J.D. STEPHENS' & TIM KRIDEL'S RESPONSES TO RECENT HELP-MANTED ITEMS. ALSO, MY VERIES FROM MIBA & MFRL ARRIVED SHORTLY AFTER J.D. CALLED THE STATIONS TO FOLLOW UP ON HIS REPORTS THERE. THANKS!

### Contributors:

MB MIKE BROOKER. 99 Wychcrest Ave., Toronto, ON MAG 3X8 JН JIM HALL, 240 Byron Rd., Pittsburgh, PA 15237 TOM JASINSKI, 503 Jensen St., Shorewood, IL 60436 KARL JETER, 2115 Scarborough Rd., Stone Mtn, GA 30088 TJ KVJ JCJ JOHN C. JOHNSON, 979 Neptune Blvd., Billings MT 59105 TIM KRIDEL, Box 147, Middle Island, NY 11953 TOM LASKOWSKI, 223 Hawkins Grad Hs. W.Lafayette, IN 47906 TML PAT MARTIN, PO Box 843, Seaside, OR 97138 PM BILL NITTLER, PO Box 824, Mancos, CO 81328 SBP STEVEN B. PUCCI, 6143 Corte Trancas, Pleasanton, CA 94566 ROBERT S. ROSS, Box 4373 Stn. "C", London, ON NSW 5J2 RSR J. D. STEPHENS, JD 3605-8 Chasewood, Huntsville, AL 35805 JOHN WILKINS, 4385 Hoyt St. #205, Wheat Ridge, CO 80033 ØΜ

WELCOME to first-time reporters TOM JASINSKI and TIM KRIDEL. Over 180 signers this month from 13 contributors. Excellent !

I've just purchased a KAYPRO 286 ( AT ) computer, and I'm starting a rather extensive database of AM information. More about this in an upcoming Forum. Hope to see you all again next month.

### THE WORD FOR TODAY via Doug Nyholm

ALABAMA Montgomery Mobile	WAPZ WMOB	9:30 AM 10:30 AM	1250 AM 1360 AM	FLORIDA Tellahasson	WCVC	8:30 AM	1330 AM
House	***************************************			Tallahassee	WKQE	9:00 AM	1410 AM
ALASKA				Madison	WMAF	10:30 AM	1230 AM
Engle River	KCFA	8:30 PM	1020 AM	Fort Myers	WSOR	10:30 AM	95.3 FM
Eagle Kivei	ic.	5.561111	1020 7011	Sarasota	WIIS	3:30 PM	88.1 FM
AR1ZONA				Cypress Garden	WGTO	7:30 AM	540 AM
Phoenix	KMLE	11:30 AM	108 FM	GEORG1A			
Lake Havasu City	KNLB	10:00 PM	91 FM	Cancerville	WCCV	10:00 AM	91.7 PM
Tucson	KVOI	7:30 AM	690 AM	Makin	WBML	1:30 PM	900 AM
					TT DIVIL		
				HAWAII			
CALIFORNIA				Honolulu	KLHT	9:00 AM/9:30 PM	1040 AM
Merced	KAMB	9:00 PM Mon.	101.5 FM	110201214			
Rosamond	KAVC	9:30 AM	105.5 FM	1DAH0			
Stockton	KCJH	5:00 AM/9:30 PM	90:1 FM	Caldweil	KBGN	11:00 AM	1060 AM
Wasco	KERU	1:30 PM Sun. only	1180 AM	Twin Falls	KCIR	3:30 PM	95 FM
San Francisco	KFAX	11:00 AM	1100 AM	Boise	KSPD	7:30 AM	790 AM
Sacramento	KFIA	9:00 AM	710 AM	DOISE	Karb	7.2071111	
Mammoth Lakes	KMMT	7:30 AM	106.3 FM	1LL1N01S			
Quincy	KNLF	7:00 AM	103 FM	Champaign	WBGL	10:00 AM	91.7 FM
Thousand Oaks	KRCL	12:00 PM Sun, only	101.5 FM	Pekin	WCIC	10:30 PM	91.5 FM
San Clemente	KWVE	1:30 AM/7:30 AM/12:00 PM	108 FM	Carlinville	WIEI	11:00 AM	91.1 FM
Santa Maria	KXFM	8:00 AM	99 FM	Peoría	WVEL	7:00 AM	1140 AM
Carpinteria	KGFT	9:00 AM	102 FM	rearia	WVEL	7.00 AM	•
Grass Valley	KNCO	7:30 AM	94.3	INDIANA			
Fresno	KIRV	7:00 AM/6:00 PM	1510 AM	Indianapolis	WERI	7:00 AM	1500AM
COLORADO				Indianapolis	WXIR	10:00 PM	98.3 FM
		7:30 AM/10:00	970 AM				
Pueblo	KFEL	1.30 200 10.00		10WA			
CONNECTICUT				Des Moines	KDMI	1:30 PM	97.3 FM
	v	9:30 AM	1500 AM				
Milford	WFIF	A:30 VM					

KENTUCKY				0.0000000			
Lenisville	WXL	√ 10:00 AM	104 FM	OREGON			
MARYLAND				Newburg John Day	KFOX	7:00 PM Sun. & Thurs	90 FM
Grantsville				Revet	KGNR	12:00 PM	90.1 FM
Baltimore	WAII	6:30 PM	90.3 FM	Postland	KNLR	8:30 AM/7:30 PM	97.5 FM
Daldinise	WFEL	. 8:30 AM/8:00 PM	1570 AM	Coas Bay	KPDQ	11:30 AM	800 AM
MASSACHUSETT:	2			,	KYTT	8:30 AM	98.7 FM
Springfield	WACE	8:00 AM		PENNSYLVANI	.a		
Boston	WEZE		730 AM	Union City	WCTL	10:30 AM/9:30 PM	106.3 FM
	***************************************	9:30 AM/5:00AM/7:30 PM	1260 AN	Pittsburgh	WPIT	6:00 PM	101 FM
Michigan				Philadelphia	WZZD	7:30 AM	990 AM
Hancock	WMPL.	5:00 PM	920 AM	Russell	WGSI	9:00 AM	103.1 FM
Ypsilanti	WWC	4 I0:00 AM	990AM	Pittsburgh	WPLW	10:30 AM	1590 AM
Detroit	WLQ	/ 9:30 AM	1500 AM	\$0.03mosaara			
MINISTERAT 2				SO. CAROLINA			
MINNESOTA				Greenville	WKCL		91.5 FM
Minneapolis Osakis	KUXL	8:30 AM/7:00 PM	1570 AM	Citedivine	WLFI	11:00 AM Sun. only	89.3 FM
OSAKIK	KBHL	7:00 PM	103.9 FM	TENNESSEE			
MISSISSIPPI				Collierville	WCRV		
Clinton	11 2751 27			Nashville	WWGM		640 AM
	WIWZ	8:00 AM/9:30 AM Sal.	1120 AM	Jackson	WIAK		1360 AM
MISSOURI					WIALK	10:00 AM	1460 AM
Centralia	KMFC	11:00 AM		TEXAS			
St. Louis	KSIV	9:30 AM	92 FM 1320 AM	El Paso	KELP	7:30 AM	1500 AM
Independence (Kansas City)	KCCV	9:30 AM	1510 AM	Abilene	KGNZ		ER FM
			13to AM	Austin	KIXL		70 AM
MONTANA				Tyler	KVNE		39.5 FM
Kalispell	KALS	8:30 AM	97.1 FM	Dallas	KVTT		91.7 FM
3(TTD 2016 2				Crane	KXOI	8:30 AM	CO AM
NEBRASKA				UTAH.			
Omaha	KCRO	7:00 AM	660 AM	Ogden			
NEVADA				Ogaca	KANN	9:00 AM	90 AM
Las Vegas				VERMONT			
Carson City	KILA	9:30 AM/12:30 PM/J:30 PM		Westribury	WGLY		
	KNIS	6:30 PM	94.7 FM	,	WOLI	7:00 AM/4:30 PM	103 FM
				VIRGINIA			
NEW HAMPSHIRE	;			Arlington	WABS	9:30 AM	780 AM
Nashua	WOTW	8:30 AM	900 AM	Richmond	WDYL	6:45 AM	92.1 FM
			200 AM	Smithfield	WKGM	8:00 AM	940 AM
NEW JERSEY				Portsmouth	WXRI	7:00 PM	105 FM
Hackensack	WWDJ	7:30 PM	970 AM				
NEW MEXICO				WEST VIRGINIA			
HEW MEXICO				Chariston	WSCW	1:00 PM	1410 AM
Albuquerque	KKIM	7:00-7:30 PM	100 AM				
Farmington	KNMI	5:00 PM	88.9 FM	WASHINGTON			
*				Seattle	KCIS	5:00 AM	630 AM
NEW YORK				Scaule	KŒNW	2:30 PM/7:30 PM/3:30 Per	1150AM
Champlain	WCHP	11:30 AM	760 AM	Lynden	KLYN	7:30 PM	106.5 F7:
Buffalo	WDCX	1:00 PM	700 AM	Spokane	KRSS	11:30 AM	1720 AN
Cherry Valley	WIIV	B:00 AM/7:30 PM	101.9 FM	·			
Bay Shore	WLIX	9:00 AM	540 AM	LITERONIETAL			
East Syracuse Rochester	WOIV	8:00 AM/8:30 PM	1540 FM	WISCONSIN Menusha			
Rodiesier	WWWG	7:30 AM	1460 AM	Mensha	WEMI	8:00 AM	100 FM
NO. CAROLINA							
	WGHB	7.00 11500 00					
	WBFI	7:00 AM/12:30 AM 8:30 AM	1250 AM	PHILIPPINES			
	WOKX	8:30 PM	1550 AM		DWRT	7:00 AM/6:00 PM	99.5 Khz
	WPJL.	1:30 PM	1590 AM				
	WPGT	9:30 AM	1240 AM 90.1 FM	1 Land 1 Land			
			90.1 FM	PIIrone			
0Н10				europe			
	wcvo	12:30 PM	105 FM	and the second second			
	WCVZ	7:30 PM		DADIO 0155		•	
		8:00 AM	720 4 4 6	RADIO CAROLINE - 962 KHZ - England	9:00 PM Lo	ndon Time for following	Countries:
• •		8:30 AM		England Scotland			
Clastered		7:30 PM	97.7 FM	Scotland Ireland	45.0		
	L2T\	7:30 AM		reiano France	94.1		
OKLAHOMA				14116			
				Retairm			
Obligation	CRMC	1:30 PM		Belgium Holland			

### IRCA Foreign DX Reference, Volume 24

...Phil Bytheway is completing the cross reference listing of all the stations reported to DXWW-W and DXWW-E during volume 24 of "DX Monitor" (9/86-8/87). There are three sections available: Trans-Atlantic, Pan American, and Trans-Pacific. Each section contains a frequency listing (countries reported for each frequency) and a country listing (frequencies reported for each country) showing the "DX Monitor" issue number in which they were reported. These guides are a valuable reference to what was heard last year, and where to look to find specific information about the receptions.

Each listing is 5 or 6 pages long. You can order any one of the three (TA, PA or TP) for \$1.00 each, or all three for \$2.50. Make checks out to Phil Bytheway and send them to: 9705 Mary N.W., Seattle, WA 98117.

# THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (\$10 - 1630 kHz). "DX Monitor", the official publication of the IRCA, is published 34 times a year, weekly from October to March, twice in September and April, and monthly from May to August. "DX Monitor" contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a member of ANARC, the Association of North American Radio Clubs.

### CLUB ADDRESSES AND OFFICERS.



President: Karl Zuk, 154 Old Post Road North, Croton, NY 10520-1932.
Secretary-Treasurer: John Clemmer, P.O. Box 482, E. Moline, IL 61244.
Board of Directors: Ernest R. Cooper, Richard Evans, Ric Heald, John C. Johnson, Patrick Martin, Bruce Portzer, Rich Toebe.
Editor-in-Chief: Bruce Portzer, 6546 19th Ave. N.E., Seattle, WA 98115.

### MEMBERSHIP DUES

U.S. -\$20.00 per year. Canada/Mexico - \$26 (one issue mailed every week) or \$20 (two issues every two weeks). Overseas Surface - \$21. Overseas Airmail - \$30 (Central America, Caribbean, Colombia and Venezuela), \$33 (Europe, North Africa, Middle East), \$37 (rest of the world). Trial Membership - \$7.50 (10 issues of "DX Monitor" and a New Member Packet, U.S./Canada/Mexico only). Make checks and money orders payable to IRCA and send all dues to: IRCA, P.O. Box 482, E. Moline, IL 61244. Persons living outside the U.S., please use International Money Order in U.S. funds. Sample copies of "DX Monitor" are 50 cents or three International Reply Coupons each and are available from: IRCA, P.O. Box 21074, Seattle, WA 98111.

### THE IRCA GOODIE FACTORY

Reprints of more than 400 articles from past issues of "DX Monitor" are available from the IRCA Goodie Factory. Also available is IRCA stationery and the very popular IRCA publications: "IRCA Almanac", "A DXers Technical Guide", and the "IRCA Foreign Logs". For a complete list of available publications and their costs, send a self-addressed, stamped envelope to: IRCA Goodie Factory, P.O. Box 21074, Seattle, WA 98111.

Unless otherwise noted, permission is granted to publish, broadcast, or otherwise reproduce non-copywrited material appearing in "DX Monitor" provided credit is given to the IRCA and the original contributor. Opinions expressed in "DX Monitor" are those of the original contributors and do not necessarily reflect those of the IRCA, its publishing staff, editors or officers.

International Radio Club of America P.O. Box 21074
Seattle WA 98111

FIRST CLASS MAIL
US POSTAGE
PAID
Seattle WA
Permit No. 601

## FIRST CLASS

AN CABLOS CA