



# DX NEWS

The magazine of the  
National Radio Club

— SINCE 1933 —

Volume 57, No. 15 - January 22, 1990 (ISSN 0737-1659)

## Inside ...

2 .. AM Switch

3 .. DDXD-E

7 .. DDXD-W

8 .. IDXD

10 .. TA's

15 .. Verie Signers

16 .. R390A mods

17 .. Target DX

18 .. WHOT

19 .. Musings

23 .. Rates

## CPC Tests Directory

- 1-22: WILD-1090 Boston, MA
- 1-28: WAGL-1560 Lancaster, SC
- 2-4: WRSW-1480 Warsaw, IN
- 2-5: WCIL-1020 Carbondale, IL
- 2-18: WLUS-980 Gainesville, FL
- 2-19: WIVV-1370 Vieques, PR

**WILD-1090** - Boston, MA will conduct a DX test on January 22, 1990 from 2:00am ELT to 2:30 am ELT. Test will be conducted using 5000 watts non-directional. Programming will consist of 1 kHz test tones, Morse Code ID's and vocal ID's by both male and female announcers. Correct reports will be verified by Mr. Michael Klein NVIL, P.O. BOX 2181, Lynn, MA 01903 (or report via NVIL QSL Bureau). Arranged by Michael Kline with assistance from Peter George and the Colorado CPC Machine for the NRC.

**WAGL-1560** - P. O. BOX 28, Lancaster, SC 29720 will conduct a DX TEST on Sunday Morning January 28, 1990 from 0400 to 0430 Eastern Local Time. WAGL will be broadcasting with its daytime 50,000 watts into a directional pattern. This broadcast will be in C-QUAM Stereo and if you do have your stereo light come on please let them know. Please direct reports and thanks to Mr. B. L. Phillips, President. Arranged by the Colorado CPC Machine for the National Radio Club.

**WCIL-1020** - P.O. BOX 700, Carbondale, IL 62903 will conduct a Special DX test broadcast on Monday, February 5, 1990 from 0630 to 0700 ELT. The test will consist of a special test announcement, Morse Code ID's and music. Reception reports are requested. All reports should be sent to Mr. Paul H. McRoy, General Manager. Arranged by the Colorado CPC Machine for the National Radio Club.

**WRSW-1480** - P. O. Box 1448, Warsaw, IN 46580 will conduct a special DX test on February 4, 1990 from 0530 ELT thru 0555 ELT s/on. The test will be conducted using the 1 kW daytime facility. At 0555 WRSW will switch to 500 w. directional. The test will consist of some marches, legal ID's, code ID's and will be interspersed with oldies from their automated normal programming. "In addition to acknowledging reports I will award a special prize to the furthest report of our signal. Regards" James L. Swearingen, Chief Engineer. Our thanks to Mr. Swearingen! Arranged by the Colorado CPC Machine for the National Radio Club.

**WLUS-980** - P. O. Box 1068 Gainesville, FL 32602 will conduct a DX test on Sunday morning, February 18, from 0400- to 0430 EST. Test will consist of voice and code ID's,

an explanation of the test, and fast-tempo big-band style music. Power will be, from 0400-0417: 5 kW, 0417-0419: .5 kW; 0419-0421: .25 kW; 0421-1423: .166 kW; then, return to 5 kW. Code ID's will be used during all segments. Our thanks to Mr. Tim McGuire, CE, for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

**WIVV-1370** - P.O. BOX 338, Vieques, PR 00765-0338 will conduct a special DX TEST on February 19, 1990 from 0400 to 0426 Eastern Local Time. At 0426 WIVV will sign on for its normal broadcast day. The test will be run with 5000 watts non-directional. This test will consist of Christian music with frequent voice and code ID's. Our thanks to Mr James C. French Operations Manager. Arranged by the Colorado CPC Machine for the National Radio Club.

**From the Pub Center ...** The #4 Updater for the NRC *AM Radio Log* is now available for \$2.00. Order from the Publication Center.

## DX Time Machine

### From the pages of DX News

**Twenty-five years ago ...** from the January 23, 1965 DXN: Eighteen CPC tests were listed on the front page of DXN, five from NRC, two from IRCA, and eleven from the Newark News DX Club ... Leo Fox, Elsa P. O., Yukon Territory, had sent reports to Alaska, Hawaii, Asiatic Russia, Moldavia, Ukraine, White Russia, China, Sweden, Luxembourg, Poland, England, Scotland, Wales, N. Ireland, E. Germany, Philippines, Greenland, Australia, New Zealand, France, and S. Korea, and more to go to W. Germany and Austria ... Matthew Geller, Short Hills, NJ, fixed up his Q-Multiplier and bagged Czechoslovakia-1286, Italy-845, Hilversum-746, Lisbon-665, Czechoslovakia-638, Luxembourg-1439, Germany-1586, Nancy-836, Horby-1178, and Sundsvall-1223.

**Ten years ago ...** from the January 21, 1989 DXN: Four CPC tests were listed, all from the NRC, and Pat Hartlage was happy to see a little fuller CPC schedule ... Chuck Hutton bought the last 12 Radio Shack TRF's (12-655) in Atlanta after they were discontinued ... Craig Healy resigned from WJAR-920 ... Kermit Geary visited Dave Thomas, operator of former pirate WUMS-1560, on a trip to Florida ... Mark Connelly recalled the "Great Northeast Blackout" of November 9, 1965, as did ERC.

**THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB**

# AM Switch

**Jerry Starr**  
c/o WHOT Radio  
4040 Simon Road  
Youngstown, OH 44512-1320

Status changes in AM stations, supplied by the FCC and NRC members

## CALL LETTER CHANGE

Old call: New call:

1320 KGNR CA Sacramento KCPG

## APPLICATIONS / GRANTS FOR NEW STATIONS

None

## APPLICATIONS FROM EXISTING FACILITIES

None

## GRANTS TO EXISTING FACILITIES

740 WWNZ FL Orlando: power: to 50000/50000 Hz, relocate XR  
1440 WFTQ MA Worcester: antenna to H?

## OTHERNESS

880 WMEQ WI Menomonie: station is here ex 1360 kHz  
980 WFXP FL Gulf Breeze: station is SILENT  
1110 KJTT WA Oak Harbor: this station has been on the air for several years, our comment on them two issues ago was a misinterpretation of a rather vague release from the FCC regarding the KING request  
1120 WDFV VA Duffield: new station is ON THE AIR w/Bluegrass  
1300 WIMG NJ Ewing: silent for a short period, station is back ON THE AIR  
1310 KTKR CA Taft: station is SILENT  
1440 WWCL FL Lehigh Acres: silent station returns to the air on 2-5-90  
1480 KTCN WA Lakewood: slight change to our comments on this two-station buyout of this frequency once KLAY moves to 1180 kHz, this call will be used every day but Sunday when KDFL will broadcast  
1530 WJPI TN Huntington: silent station is back ON THE AIR  
1630 KS2XAH VA Norfolk: follow-up to our comments last month, this oft-heard experimental operation is from WNIS-850 being used to proof the antenna system for their new 50 kilowatt operation which should be operational in February

THANKS for contributions go to: DAVE SCHMIDT, ED CHRISTIAN, GEOV PARRISH and M Street Journal

73 and Good DX, *Jomy & BKF* Jerry Starr & Buffalo K. Foonman

## The Broadcaster's Guide to DX

A tri-fold guide for use with reception reports explaining DX'ing, how the NRC was formed, and the importance of QSL's to DX'ers. Versions also available in Spanish and French. US\$1.50 for 20. Available from the Pub Center.

# WMNY

Studio 508 Hwy 8  
P.O. Box 100000, Tampa, FL 33610-0000

# Domestic DX Digest - East

**William Hale**  
734 Burlison  
San Marcos, TX 78666

DX Catches in the Eastern U. S. and Canada, with 24-hr. ELT

## MEDIUM WAVE ramblings

■ Two new reporters are welcomed this week. **Burton Zacks** of Providence, Rhode Island and **James Nahirniak** of Warren, Michigan check in with their initial loggings for our perusal. Hope we hear lots more from both of you.  
■ New Years morning brought in a couple of surprises here...KSTP-1500 with a clear, full ID @ 0600, and CBW-990 from about 0610-0630 with lotsa Manitoba weather (brrrr) mentions. Never thought I'd hear either one of those down here! 1990 is off to a good start.

## SPECIAL FM-100 & AM-820 WXEZ

1580 WKNN MS PASCAGOULA - 12/21 1800 with wx by female followed by full legal ID: From the beautiful Mississippi Gulf Coast, WKNN-AM-FM Pascagoula-Moss Point-Biloxi-Gulfport, K-99 FM-C&W mx; ex: WPMD (CR-ON)

## UNID's AND UNID's IDd

1480 UNID ?? - 1/2 0604 w/Satellite News Network, weather for South \_\_\_? and BFL mx; local WYZE nulled (KVJ-GA1)

## PIRATE ACTIVITY

1620 WJDI NY COTTEKILL - 12/16 2330 L & C with ROK mx, frequent mention of P.O. Box in Cottekill, which I can't find in AAA road atlas (BZ-RI) [I can't actually find it either, but the ZIP code directory puts Cottekill, 12419 (see Issue 12) in Ulster County, NY, near Kingston. It's up in Rip Van Winkle country someplace. **Laura McCusker**, help us out here-Ed.]  
WJDI NY COTTEKILL - 12/16 2352 noted with usual IDs and ROK mx by the Grateful Dead; good (NjW-ON)

## MIDNIGHT TO MIDDAY

570 WMVI MS BILOXI - 12/24 0635 with non-stop C&W 'til wx @ 0650 (12° on the Gulf Coast); gave a couple of 57 Stereo WMVI call IDs and back to mx by Alabama; fair with WKBN nulled and no sign of usual CHYM (CR-ON)  
590 WDW NE OMAHA - 12/3 0726 poor with GOS mx; down by 0732 (HF-MI2)  
600 WVOG LA NEW ORLEANS - 12/18 0700 poor with sign-on (RK-IL)  
630 CKRC MB WINNIPEG - 12/3 0415 fair with Carolyn Moore with C&W mx; ad for Furniture Co-op in Kern Hill; CFQO GRM (HF-MI2)  
640 WWLS OK NORMAN - 12/2 0720 poor with ex [?-Ed.] call-in pgm; many Norman ads, PSAs (HF-MI2)  
650 WKKQ MN NASHWAUK - 12/2 1037 fair with ID: AM Stereo 650 WKKQ; female with C&W mx, ads for Ray's Sport & Cycle, Fashion Crossroads in the Thunderbird Mall; ABC Nx @ 1600; WSM GRM (HF-MI2)  
680 KNBR CA SAN FRANCISCO - 12/2 0415 fair with Neil Myers & TalkNet; From the giant reach of the giant 68 KNBR; GRM from CFTR/KFEQ (HF-MI2)  
740 WDFZ TN TULLAHOMA - 12/26 0130 w/Rolling Stones' Under My Thumb & Joe Jones' You Talk Too Much; 0136 local ads & mentions of upcoming records; 0138 ID: WDFZ Tullahoma plays your favorites! Beach Boys' Sloop John B and other OLDies; poor with latin stn (NjW-ON)  
760 KCCV KS OVERLAND PARK - 12/29 0800 poor, but way over WJR with sign-on (RK-IL)  
850 KOA CO DENVER - 12/2 0448 poor with call-in pgm @ 623-8585; Broncos promos; ID: 95 KOA; over/under WRMR (HF-MI2)  
910 WKCNC SC DORCHESTER TERRACE-BRENTWOOD - 12/24 0055 fair with C&W mx 'til legal ID @ 0100: WKCNC Dorchester Terrace-Brentwood-Charleston, Country 91 KCNC-net nx from SNN I believe; #50 on 910 & South Carolina #80 (CR-ON)  
920 CFLS PQ LEVIS - 12/24 0105 came out of FF newscast with a long list of Quebec radio stations (a network of some type) including a mention of CFLS Quatre-Vingt Douze (CFLS 92)+FF MOR mx; fair (NjW-ON)

4  
 930 WAUR IL SANDWICH - 12/17 0046 with C&W on TRN; 0100 ID & CBS Nx; fair in  
 when null (NjW-ON)  
 970 WFLA FL TAMPA - 12/30 0400 fair with ID, mx, local ads (RK-IL)  
 WNIV GA ATLANTA - 12/31 0600 good with sign-on (RK-IL)  
 WWYO WV PINEVILLE - 12/31 0600 poor with sign-on (RK-IL)  
 WVOV VA DANVILLE - 12/30 0353 fair with promo (RK-IL)  
 990 WIVK TN KNOXVILLE - 12/17 0111 killing CWB with C&W mx & female anncr;  
 CLs & mention of a Christmas event (NjW-ON)  
 1100 WSGI TN SPRINGFIELD - 12/28 0700 fair/good with sign-on (RK-IL)  
 1310 WMTG MI DEARBORN - 12/19 1125 with Classic Soul AM 1310 WMTG+Please  
 Come Home For Christmas, ads for Chrysler & Van Dykes  
 afterward; fair over CIWW (NjW-ON)  
 1320 WMSR TN MILAN - 12/23 0700 fair/good with sign-on (RK-IL)  
 CKEC NS NEW GLASGOW - 12/18 0045 with Rolling Stones and Crowded House  
 tunes; 0100 local nx read by Todd Cranston; 0104 wx & tides  
 for northern Nova Scotia; CLs & mx by George Michael, Luba,  
Orleans & Elton John followed; poor in WJAS null; 1st net  
 Nova Scotia stn in years (NjW-ON)  
 1360 WYER IL MOUNT CARMEL - 12/28 0700 fair/poor with sign-on (RK-IL)  
 WKYO MI CARO - 12/19 1151 with Trading Post pgm; told listeners to  
 send \$10 to WKYO if they had an item that they wanted to sell  
 costing over \$400 (NjW-ON)  
 1380 KCIM IA CARROLL - 12/3 0706 fair with A.J. Lowe with local nx; MOR POP  
 mx; ads for Carroll High Vee & Midway Airlines; promo for  
 old-fashioned Christmas in Manning (HF-MI2)  
 1500 KSTP MN ST PAUL - 12/11 0009 fair with Tom Snyder Show, all network  
 ads; QRM from WTOP who had Larry King (HF-MI1)  
 1520 WMLH MI ST LOUIS - 12/16 0558 good with sign-on with sung SSB+ABC Nx @  
 0600, then C&W mx (HF-MI1)  
 1560 WSQR IL SYCAMORE - 12/29 0715 fair with sign-on (RK-IL)  
 1590 WAKR OH AKRON - 12/16 0545 poor with American Outdoorsman pgm; promo  
 for Life Line; ads for Atlantic Fish & Tackle & Athletic  
Attic (HF-MI1)

MIDDAY TO MIDNIGHT KNNT • KTEI  
 AM1540 FM106

570 WKBN OH YOUNGSTOWN - 12/10 1715 w/Browns NFL FB; Sports Minute spot;  
 fair (HF-MI1)  
 580 WOFE TN ROCKWOOD - 12/29 1220 w/local ads and C&W mx; under WGAC  
 (KVJ-GA2)  
 590 WVLK KY LEXINGTON - 12/29 1230 w/CHR, then Paul Harvey; good signal  
 with no sign of WKHX! (KVJ-GA2)  
 610 WCEH GA HAWKINSVILLE - 12/29 1223 w/Pure Gold 61, ROK Oldies & Air  
 Force PSA (KVJ-GA2)  
 640 WGST GA ATLANTA - 12/10 1731 w/IDs: News Radio 640 WGST & Atlanta's most  
 dependable news-traffic-weather station; The Travel Show call-  
 in pgm w/Clark host; fair (HF-MI1)  
 680 WCTT KY CORBIN - 12/28 2143 with C&W mx & ID: Country 68 WCTT (JN-MI)  
 WPTF NC RALEIGH - 12/10 1747 good with WPTF Datebook with closings; ads for  
Lynn's & Daphne Hallmark; Charles Landis and the nx (HF-MI1)  
 WCAW WV CHARLESTON - 12/10 1648 fair with Browns NFL FB; Secret Santa  
Hotline; ads for 7 Hills Sunoco & Diamond Men's Store in the  
 Great Northern Mall; IDs: WCAW, where you hear Mountaineer  
 football...think 680 WCAW Charleston & The home of Browns  
 football; WCAW (HF-MI1)  
 680 WRGC NC SILVA - 12/29 1257 w/obituary program, under WCNN (KVJ-GA2)  
 700 WLW OH CINCINNATI - 12/29 1303 good signal with promo for a Tribute to  
Don West and mentions of the big one, WLE, Newsradio  
 (KVJ-GA2)  
 720 WSCR NC BREVARD - 12/29 1325 w/North Carolina News Net, then  
Searchlights for the Scriptures pgm; with WMYX nullified  
 (KVJ-GA2)  
 730 WLIL TN LENOIR CITY - 12/29 1325 w/wx, ad for Loudon Company Salvage,  
 AC mx (KVJ-GA2)  
 740 WSVQ TN HARROGATE - 12/29 1338 w/Oldies, 74-WSVQ (KVJ-GA2)  
 760 KCCV KS OVERLAND PARK - 12/28 1800 fair thru WJR with sign-off; ex:1510  
 (RK-IL)  
 780 WLRM MS RIDGELAND - 12/29 1750 w/The Motivator with Winners News Net  
 (WNN) reports and motivational-type pgms, ads for Jackson  
 businesses, sign-off at 1800, mentioning WLRM-FM (KVJ-GA1)  
 820 WAPO TN JASPER - 12/26 1726 with REL mx and into full sign-off with  
 invite: Be sure to join us tomorrow for more Southern Gospel  
 programming; ended with song May God Be With You; no SSB; over  
 WDSU but had severe CLKW splatter (CR-ON)  
 WBAP TX FORT WORTH - 12/7 2220 with Mavericks BKB, ads for Minard Food  
Stores, Metro Jeep-Eagle, Fuller's Jewelry, AAA Vacations;  
 good (HF-MI1)

5  
 860 KKOW KS PITTSBURG - 12/2 1650 fair with ID: KKOW Pittsburg-Joplin; CBS  
 Nx @ 1700; C&W mx; QRM from CJCB (HF-MI2)  
 880 KRVN NE LEXINGTON - 12/9 1705 poor with C&W mx, Nebraska & Plains-area  
 wx; mixing with WCB (HF-MI1)  
 WHDB TN NASHVILLE - 12/23 1731 poor in WLS slop with sign-off (RK-IL)  
 930 WEOL OH ELYRIA - 12/2 1726 good with Avon vs Avon Lake BKB; ads for  
Lloyd-Manual Ford, Lorain County Bank, & Chronicle-Telegram  
 (HF-MI2)  
 980 CFPL ON LONDON - 12/14 1950 fair with ads for Beaver Lumber & Jennings  
Furniture in St Thomas (HF-MI1)  
 1010 WPK AL DORA - 12/23 1746 good with sign-off (RK-IL)  
 WITL MI LANSING - 12/17 1423 good with America's Country Countdown;  
WITL Christmas Satellite Forecast; ad for Capital City Lumber;  
When You're listening to country music, you're listening to  
WITL AM & FM (HF-MI1)  
 1150 WGBR NC GOLDSBORO - 12/1 2003 poor with ABC Nx to 2004, then OLD; QSB &  
 SS QRM (HF-MI1)  
 1160 WHVI NY MECHANICVILLE - 12/27 1628 with Fly Me To The Moon followed at  
 1630 by CL & TC+ a one-minute sport thing called The  
Competitive Edge and ad for The Auto House on 2nd Avenue next  
 to the railroad tracks in Mechanicsville+Pools Rush In by  
Tommy Dorsey with Frank Sinatra; good with WACY nullified but had  
 some audio distortion; ex:1170; note correct spelling, not  
 Mechanicsville as in log (CR-ON)  
 1170 WLGO SC LEXINGTON - 12/29 1200 w/nx with female anncr, Your 10,000-watt  
radio voice, AC mx; with semi-local WHNE nullified (KVJ-GA2)  
 1200 WOAI TX SAN ANTONIO - 12/7 2115 with college BKB, St Mary's Rattlers vs  
Howard Baine [Howard Payne-Ed.]; ads for Allen's Flowers &  
Gifts, Mission Pharmacy & Zayle's Jewelers; fair (HF-MI1)  
 1240 WATN NY WATERTOWN - 12/24 1821 w/WATN, Your oldies station with female  
 anncr playing OLD by Paul Revere & the Raiders, James Brown, &  
The Dave Clark Five; 1839 ad for White's Lumber & Building  
Supplies; 1900 ID & ABC Nx; fair signal (NjW-ON)  
 1250 WBRM NC MARION - 12/26 1705 ending AP Radio Nx+ad for Bill's Auto Glass  
 (652-2555) followed by WBRM nx for southwestern North  
 Carolina; very good, CP may be; #50 on 1250 (CR-ON)  
 1260 WRDZ OH CLEVELAND - 12/14 2021 with REL programs: Dr Roy Smudbe to O200  
Dr. Freida Cruz; over WNDE with Pacers BKB; fair (HF-MI1)  
 1270 WMKT MI CHARLEVOIX - 12/28 1635 good with ID as Market Radio, business  
 report (RK-IL)  
 WLSM MS LOUISVILLE - 12/26 1744 poor with sign-off & SSB (RK-IL)  
 WLIK TN NEWPORT - 12/23 1656 w/listing of sponsors wishing listeners a  
 Merry Christmas; 1657 female with CLs followed by a REL tune;  
 ID @ 1700; poor with WXYT (NjW-ON)  
 1280 WABK ME GARDINER - 12/24 1616 w/104 point 3, WABK non-ID+Whitney  
Houston record; 1621 CLs+records by The Beach Boys & Earth,  
Wind & Fire; poor and lost to CJMS at 1627; only my 5th stn  
 from Maine (NjW-ON)  
 1290 WHGR MI HOUGHTON LAKE - 1/1 1800 with POP/standards & More of the  
original hits you love to sing along with, AM 1290, WHGR; weak  
 (JN-MI)  
 WSTK VA COLONIAL HEIGHTS - 12/26 1700 XLNT ending Rosemary Clooney's I  
Could Have Danced All Night+legal ID: Chances are you'll hear  
your favorite song today on Starlight 1290, WSTK Colonial  
 Heights VA+SNN Nx; ex:WPVA (CR-ON)  
 1310 WTUX IN INDIANAPOLIS - 12/17 1757 w/Notre Dame vs UCLA BKB; Diet Pepsi  
 ad and end of b'cast @ 1827; MoYI followed; fair with KFSB; no  
 sign of pest-CIWW (NjW-ON)  
 KFSB MO JOPLIN - 12/17 1802 w/blood donor reminder from Joplin's in-  
 touch station, 1310 KFSB; anncr Jay Scott played mx by  
Chicago, Steve Winwood & Firefall; ads for Duracell & Accent @  
 1815; fair+poor w/WTUX (NjW-ON)  
 1320 WILS MI LANSING - 12/17 1517 very good with UC mx; I'm DJ Jam for 1320  
WILS...on Lansing's music master 1320 WILS; WKAN QRM (HF-MI1)  
 1330 WSSY IL EVANSTON - 12/23 1630 w/Christmas greetings and ID: WSSY  
Evanston-Northbrook-Chicago; poor w/WEYZ (NjW-ON)  
 KFH KS WICHITA - 12/17 1845 w/CLs & wx after Venus by Shocking Blue,  
 then contest promo and Day After Day by Badfinger; fair w/WSPQ  
 (NjW-ON)  
 WEYZ PA ERIE - 12/28 2051 good with The music of your life, Radio 1330  
WEYZ (JN-MI)  
 1340 WHAP VA HOPEWELL - 12/17 2232 w/ID during pause in CBS Sports  
 broadcast; local 1340 off, returned half hour later (HJH-PA)  
 1370 WKIK MD LEONARDTOWN - 12/23 1600 w/ID+CNN Nx; briefly strong (HJH-PA)  
 WJWS VA SOUTH HILL - 12/23 1608 fair with Funeral Announcements feature  
 followed by musical tribute to the soldiers in Panama (HJH-PA)  
 1390 WFMJ OH YOUNGSTOWN - 12/23 1612 in very strong with Music From Your  
Life slogan then into Alvin & the Chipmunks Christmas song;  
 completely gone a few minutes later (HJH-PA)

- 1420 WMYN NC MAYODAN - 12/22 1740 good signal at this time with farm and business nx intermixed with local ads (HJH-PA)  
 WTCR WV KENOVA - 12/22 1718 strong briefly with Double Country slogan and cold advisory (HJH-PA)  
 1430 WXTC IN INDIANAPOLIS - 12/6 2055 poor with C&W mx; WFOB/CJCL QRM; ex: WIRE (HF-M11)  
 WFOB OH FOSTORIA - 12/6 2055 poor with Bowling Green State Univ BKB; ID: WFOB 1430 Foster-Bowling Green; QRM from WXTC/CJCL (HF-M11)  
 1470 WSRO MA MARLBOROUGH - 12/21 1635 with local nx read by female+ad for St Mary's Credit of Marlborough on West Main Street followed by wx by Hank ?? →WSRO Sports with listener poll questions:Should a new domed stadium be built for the New England Pats?→ad for Toro snow blowers at Ted's; good with WOHO nulled and WTKO on night pattern which I think WSRO forgot to do (CR-ON)  
 1490 CKEN NS KENTVILLE - 12/26 1607 upsurged over semi-local WICY with detailed maritime wx, followed by Kentville temp (3°); vanished @ 1608 (RUGG)  
 1540 WYNC NC YANCEYVILLE - 12/17 1716 fair with sign-off (RK-IL)  
 WJTT TN JELLICO - 12/17 1715 fair with sign-off (RK-IL)  
 1580 WKKD IL AURORA - 12/28 2205 XLNT for a few minutes with sports pbp, local ads, ID:You've discovered Pure Gold, WKKD Aurora (JN-MI)  
 WAMJ IN SOUTH BEND - 12/9 1710 good with Purdue BKB; ad for Scooter's in Mishawaka (HF-M11)  
 CBJ PQ CHICOUTIMI - 12/10 2326 good in EE & FF with interview pgr; male host asks questions, female in EE responds & female translates in FF [If the young lady who was responding in EE could understand the questions in FF, why didn't she just answer in FF?-Ed.]; subjects: the creator, cosmic elders, Earth mother, etc; Ici Radio Canada @ 2354 to sports & nx @ Midnight; ID:Radio Canada, CBJ; QSLs EE reports! (HF-M11)  
 1590 WARX MS JACKSON - 12/2 2046 poor with MoYL mx, male annrc; QRM from WAKR (HF-M12)

### REPORTERS:

- CR-ON CHARLES REH//Leamington, ON//R-390A, Sanserino Loop, Realistic TR-3000 open reel  
 RUGG ANDY RUGG//Nuns' Island, PQ//R-390A & 40 meter LW  
 BZ-RI BURTON ZACKS//Providence, RI//  
 HJH-PA HARRY HAYES//Wilkes-Barre, PA//Superadio/Superloop  
 HF-M11 HAROLD FRODGE//Midland, MI//R71A + trap dipole/185' RW  
 HF-M12 HAROLD FRODGE//Island Lake, MI//R71A + 500' RW  
 NjW-ON NIEL WOLFISH//Willowdale, ON//ICF-2010 + broken Space Magnet  
 JN-MI JAMES NAHIRNIAK//Warren, MI//ICF-6500W barefoot  
 RK-IL ROBERT KRAHER//Chicago, IL//R71A, R-1999, HQ-129X + RW Loop, Kowalski Loop, Kantronics Signal Enforcer peak/notch filter, kitchen sink  
 KVJ-GA1 KARL JETER//Stone Mountain, GA//ATS-803A + 4' loop  
 KVJ-GA2 KARL JETER//North GA, in White County at Unicol Gap (Elev #2300'//ATS-803A + 4' loop (midday))

### SOME ABBREVIATIONS & SPECIAL SYMBOLS USED IN DDXD-E

TT:test tones OC:open carrier TC:time check RS:regular schedule QRM: interference QTH:location SID:singing ID CID:code ID jx:jingle mx:music nx:news wx:weather SSB:Star Spangled Banner LSR:local sunrise SRS:sunrise skip LSS:local sunset SSS:sunset skip PSRA: Pre-Sunrise Authority PSSA:Post-Sunset Authority HS:high school FB:football BB:baseball HKY:hockey BKB:basketball OO: on the hour ||:parallel with +to or into S:stereo SS:Spanish FF:French EE:English POL:political GOS:gospel REL:religion or religious AC:adult contemporary BBD:big band OLD:oldies ROK:rock 'n' roll CHR:contemporary hit radio ContChr: contemporary Christian C&W:country & western EZL:easy listening UG:urban contemporary AP:Associated Press Radio UPI:United Press International MBS:Mutual Broadcasting System USRN:United Stns Radio Net NPR: National Public Radio IRN: Interstate Radio Net

73 Bill

### NRC Stationery

Now only \$5.00 for 100 sheets ...  
 including the NRC logo and  
 header in black ink. Order today  
 from the Pub Center.

# WTOE

CBS RADIO NETWORK

AM Radio Service of The River Valley Broadcasting Co., Inc.  
 P. O. BOX 668 SPRUCE PINE, N. C. 28777

## Domestic DX Digest - West

Wayne Heinen

4131 S. Andes Way  
 Aurora, CO 80013  
 (303) 699-6335 (prepaid only)

DX Catches in the Western U. S. and Canada, with 24-hr. ELT

### Special!

- 990 KBBQ CA Santa Barbara  
 12/24 2000 Station SILENT. Per DJ station had rating points but sales staff unable to sell in the area. Leaves XECL weak in the daytime. (MR-CA)  
 1290 KESP CA Santa Barbara  
 12/22/89 SS station SILENT. Owners bankrupt and ordered off the air. (MR-CA)  
 1350 KGHF CO Pueblo  
 1/4/90 0730 "Southern Colorado Morning News" on KGHF. They gave a studio line and call to station confirm's the call change as KGHF. (WH-CO)  
 1370 KFOR TX Rollingwood  
 1/6 0431 Female w/PSA "For more info call us at 390-KFOR", Various promo's and PSA's "You're listening to Telephone Talk Radio 1370 K-Phone" & Gary Burt Tlk show (ex- KOKE) (WH-CO)  
 1480 KLEO KS Wichita  
 Per WWH's verie the call HAS NOT Changed! Is still KLEO awaiting approval from FCC. This verie states they've been using the call, w/Legal KLEO ID's on the hour. OW's verie stated that it was a call change. Both signed by Kitty Malone AM General Manager. (WH-CO)

### Midnight to Midday!

- 880 KRVN NE Lexington  
 MM 12/25 0355 Noted w/IRN not //WWL-870. WWL "Road Gang" was running w/o KRVN ID's. (TH-CA)  
 940 KFRE CA Fresno  
 12/25 0359 Noted w/ Unistar C&W instead of IRN. "The music, news and information you need", ABC Nx on the hour. (TH-CA)  
 1420 KMOG AZ Payson  
 12/25 0942 Great signal w/male DJ, gave PH as 474-2933. Mixed w/KSES. Lcl XEXX on SP. KSTN dominate AN. (TH-CA)  
 1420 WOC? IA Davenport  
 12/26 0342-0413 TLKNET & NBC Nx on the hour. Presumed WOC, used to be here semi-regular before XEXX went NSP. (TH-CA)  
 1470 KMEI AZ Sierra Vista  
 12/25 0915 Booming in w/XMAS Mx during XERCN's annual XMAS SP. KUTY noted later. (TH-CA)  
 1550 KUAT AZ Tucson  
 12/25 0920 Booming in w/AZ Nx. Lcl XEBG took its XMAS SP. Came back on Mid morning. (TH-CA)  
 1560 KPAC CA Bakersfield  
 1/6 0256 King to ID @ 0300 lcl news & s/off w/SSB @ 0307 (WH-CO)  
 1560 WQXR NY New York  
 1/6 0358 end of CLA Mx ID and list of selections o/u WPAD w/ C&W. Long time no hear on this one. (WH-CO)

### CONTRIBUTORS!

- (MR-CA) Mike Riordan - Goleta, CA >  
 Super Radio II  
 (TH-CA) Tim Hall - Chula Vista, CA >  
 ICF-2010, Radio West Loop  
 (WH-CO) Wayne Heinen - Aurora, CO >  
 R-390A, 4' NRC loop, RW-TRF-655

THX!



Radio station  
**WCAT**  
 P. O. Box 90  
 660 East Main Street  
 Orange, Mass. 01364

Need to renew?  
 Expired? The mailing  
 label will tell  
 you.

# International DX Digest

Foreign DX Catches. Times are UTC; for ELT, subtract 5 hours

## Chuck Hutton

983 St. Charles Ave., #1  
Atlanta, GA 30306  
(404) 892-6211, before 2300 ELT

- 610 US WIOD Miami Beach heard at 0455 on 11/26 with a talk between the speaker and a listener. Then an interview to a person in the studio about baseball. (Objio)
- 780 MEXICO Autlan XELD fair in WBBM null w/full ID "Esta es XELD Radio Costa" at 0602 12/17. Upbeat nondescript LA mx followed. (Thomas)
- 786.4 UNID nil-fair w/soft SS ballads 0350 and very quick ID (unreadable) and carrier cut 0358 12/14. Seemed to be looped Cuba but many mentions of Honduras. Dunno. (Thomas)
- 830 BELIZE Belize City Radio One in and out 0430 12/17 w/talk by EE female about love and Christmas. (Thomas)
- 910 PUERTO RICO WPRP Ponce surprisingly strong with a baseball game between Mayaguez and Ponce at 0100 on 11/30. (Objio)
- 1015 PANAMA LV Nacional 12/20 0230-0405 super weak, fading up through WYFX splatter. SS male anncr, Latin EZL mx. ID at 0400 as "transmite La Voz Nacional de Panama". This only a couple of hours before all hell broke loose there. Subsequent monitoring tough, not sure which outlet this one is, some Nacional outlets at this writing still in Noriega loyalist hands. (Scotka)
- 1025 UNID 12/20 0409 very weak sig of Latin mx and SS talk. SS woman at 0409 though faded. Tip from Bob Wilkner in Lauderdale Lakes indicated that stn had been making several mentions of Costa Rica but no clear ID's caught. Could this be Radio Tic Tac? (Scotka) I think there are two stations still on 1025, the second a northern South America but I don't know who - Chuck
- 1070 VENEZUELA Mundial Zulia, Maracaibo IDed at 0350 on 11/26. Good. Then announced Aramis Camilo, a singer very well liked around here, w/pop mx. (Objio)
- 1090 VENEZUELA R. Vision, Machiques, ending transmission on 11/26 with Estado Zulia hymn and then "Gloria al Bravo Pueblo", Venezuelan NA, ending all at 0400. (Objio)
- 1100 ANTIGUA Greenville Radio, St. Johns with EE speaking music with the typical accent of the English Antilles, some disco mx at 0403 on 11/26. (Objio)
- 1140 MEXICO Leon XEXF fair with shouted "X-F" ID's at 0500 12/17. Upbeat LA mx followed. (Thomas)
- 1260 UNID a "Radio Solidaridad" fair w/frequent IDs around 0337 12/17 and looped E-W. No calls heard. (Thomas)
- 1310 COLOMBIA La Voz de Colombia ID at 0500 on 11/11 w/Colombian pop mx, very strong as a local stn here. Not listed on this freq in 89 WRTH. There is one LV de Colombia at Cartagena on 1360. Don't know if its a move, they did not give location. (Objio)
- 1310 COLOMBIA LV de la Patria, Barranquilla, got this just in the moment of ID at 0417 on 11/26 and annct of s/off with Colombian NA. (Objio)
- 1320 PUERTO RICO WUNO San Juan, just heard some ads with addresses in San Juan at 0505 on 11/11 and pop mx. (Objio)
- 1350 COLOMBIA "Radio Melodia lider en Sintonia", Medellin (Radio Melodia is being tuned) IDing this way at 0520 on 11/11 and then instrumental music. (Objio)
- 1360 COLOMBIA R. Reloj, Cartagena just heard the ID with a female chorus at 0427 very fast and at once it continued with disco mx on 11/26. (Objio)
- 1420 VENEZUELA "Radio Bahia en los catorce-veinte (14-20) no duerme" (Radio Bahia on 14-20 does not sleep), Puerto la Cruz. Heard this ID at 0529 on 11/11, and pop mx. (Objio)
- 1430 COLOMBIA "Radio Cadena de la Paz, mil-cuatro-treinta" (one thousand, four, thirty) IDed this way at 0148 on 12/6. Did not mention location, but it announced the winning numbers of the lottery. It is a new name, probably in Barranquilla, as she said that the speaker was the pride of Santa Marta, a neighboring town. (Objio)
- 1430 CUBA Ciego de Avila CMIL R. Surcos owning the channel at 0528 12/17 w/upbeat LA mx; // 1440 outlet. (Thomas)
- 1480 COLOMBIA R. Sincelejo heard IDing in the celebration of an open air party at 0435, amny IDs, but not listed here in the 89 WRTH. Maybe a move from 1460. On the Todelar network as announced on 11/26. (Objio)

- 1550 COLOMBIA R. El Sol, extraordinarily strong fighting with local Radio Recuerdos on 1540. At the end of a record of Colombian pop mx IDed as "Radio El Sol es mas alegre" (Radio El Sol is more joyful) and gave the time as "Las seis veintiuno" (6:21) on 1/13 at 2321. (Objio)
- 1580 VENEZUELA just got a stn with the Venezuelan NA but never heard it so long ending at 0200 with a female chorus, I did not hear any ID, but it was very strong, DF for western Venezuela, around Maracaibo, supposed to be Radio Manzanares, will try another evening and try to get an ID. This 12/6, nothing intelligible after end of NA. (Objio)
- 1610 ANGUILLA The Caribbean Beacon, The Valley with its usual religious program, but surprised to hear them in SS at 0441 on 11/26. (Objio)

Cesar Objio - Santo Domingo, Dominican Rep. DX400, TRF, 4' loop  
Russell Scotka - Margate, FL R7, Kowalski loop, FRA7700  
Gerry Thomas - Pensacola, FL R70, Super Loop

- 648 JAPAN Okinawa (Camp Kinser) at 0800 12/20 the local Far East Network ceased regular programming to join a live satellite feed from ABC Radio concerning the military action in Panama. The AFRS affiliates were (reportedly) preempted world-wide with the "Armed Forces Voice Channel". All times were given in UTC. The local (FEN) affiliate switched back and forth between the live feed and regular programming. Earlier, FEN-TV channel 8 had preempted programming for direct CNN satellite feed, but returned to regular programming. (Hardester)
- 650 HONDURAS LV de Centroamerica fair in WSM null w/talk about Nicaragua and Panama; 0326, 1/3. Not sure which QTH. (Thomas)
- 690 HONDURAS Choluteca HRNN19 fair in WTX null and // LV de Honduras on 670. Central America good tonight but couldn't get any of the LV de Honduras outlets on 680. Male and female SS DJs and a variety of LA mx the fare. This at 0340 1/1. (Thomas)
- 722 UNID been chasing this one the last couple of weeks. Usually just a poor carrier but occasional female SS detectable. Looped about due south. Audible around 0200. (Thomas)
- 830 CUBA Colon CMDB 12/22 2200 Radio Taino ID by female. Fair. (Townshend)
- 840 CUBA Santa Clara CMEL 12/18 2252 SS talk, LA mx, ex CMHW. Fair-good. (Townshend)
- 960 CUBA Ciego de Avila CMIE poor/fair w/classical mx and R. Musical Nacional IDs; // strong 950 outlet. Noted at 0500 s/off 12/26 w/IDs and NA. (Thomas)
- 1163 HONDURAS El Paraiso HRGF noted in passing at very poor level w/SS male singing 0208 12/27. (Thomas)
- 1205 CAYMAN ISLANDS George Town better than usual w/soft mx. Noted because on past listed 0430 s/off. This at 0525 12/30. (Thomas)
- 1503 UNID weak carrier here 0430 1/3 and looped just N of Anguilla on 1505. Probably a TA; Senegal only thing close. Carrier w/similar bearing noted on 1539 at same time (Senegal also listed here). No audio on either. (Thomas)
- Mike Hardester - Okinawa ??????  
Gerry Thomas - Pensacola, FL R70, Superloop  
Bill Townshend - Washington, DC ICF2010
- MEXICO changes: 640 KEYQ Fresnillo ex 890, 700 XEGD Hidalgo del Parral ex 1400, 750 XEOH Cd. Camargo ex 1270, 770 XEZA Los Mochis long ex 740, 870 XEFES Mazatan now here, 880 XE.. Chihuahua, CH is new, 1030 XEMCM Los Mochis is new, 1040 XEHFF Chihuahua, La Poderosa is new, 1600 XETPT Tecate is new with 1 kw.  
MONTSERRAT 930 KHz is off the air.  
COSTA RICA the VOA outlet on 930 KHz has closed.  
HAITI 1210 4VLS R. Plus, P-a-P is new.  
ANGOLA active stations are 944, 1000, 1010, 1010, 1088, 1155, 1188, 1200.2, 1214.5, 1259.4, 1295, 1367, 1440, 1501.9.  
JORDAN 215 KHz is on the air and heard in Finland.  
PANAMA the following stns are off the air per a Panama City bandscan: 670 R. Hogar, 700 R. Continente, 740 La Exitosa, 810 Mundial, 900 LV del Pueblo, 1020 Ritmo 1120 Sonora, 1210 R. 10, 1270 Alegre, 1330 Fiesta, 1450 Panama, 1510 Equis.



## Trans-Atlantics, Past and Present ... by Benjamin Dangerfield

I've been working over the TA's (Trans-Atlantics) for several decades, (or perhaps you could say they've been working over me,) and I recently returned from six weeks in TA-Land. It seems a good time to reflect on those decades, and, to keep things up to date, I will include a rundown on the stronger stations heard during those 3 weeks in Turkey and 3 weeks in Belgium. Incidentally, this was my 15th trip across the Atlantic. I have visited Trans-Pacific areas on six occasions.

This affair with the TA's began way back in the Thirties - but I never heard any at that time!! I was a teenage DXer, living in Pittsburgh then, using 5 and 6 tube table model receivers hooked up to outside longwires. I bought and read RAOEX every month, including the reports of European reception, but I guess I just didn't know how or when to tune for these stations. No one ever told me what those hets were. Oh, I did pretty well with West Coasters, Mexicans, Cubans, and some South Americans, but I had no luck with the TA's. I just assumed my receiving equipment wasn't good enough. But then, in October 1943, I had a really good opportunity to hear European medium wave radio stations. First hand, that is, as a member of Uncle Sam's Army in England. In fact, I was able to listen to European and North African stations for almost three years, in England, France, Belgium, Germany and Austria..

I shall always remember my first night in England, at Malvern in the Midlands. Our hut had a radio, and I heard my first medium wave BBC stations. But they had put all their transmitters on 5 regular wavelengths, 3 carrying the Home Service and 2 with the Forces Program, and I had a hard time figuring out which stations I was hearing. (Air raid protection, I believe.) There was also a European Service, broadcasting messages and news to the continent. (There still is!) I heard a lot of French, German and Italian speaking stations, but the most interesting was Radio Calais in France, where we heard Lord HAW-HA and Axis Sally playing Glen Miller records, and telling us what our girl friends back home were up to. There were also some low powered American Forces stations in England, most of them off frequency and causing bad hets.

When our outfit reached Normandy, in the summer of 1944, the AFN stations had set up portable transmitters that followed the American forces all the way into Germany where they then became permanent broadcasters in places like Munich, Stuttgart, Frankfurt and Berlin. At one time Paris had an AFN station, too. Wherever we went in Europe, we "requisitioned" high powered receivers, and I DXed whenever I had the chance. I also tried for U.S. stations, but got nowhere. When the war ended I sat in Germany for several months, waiting for the trip back home, and I had the time to compile a log of all the existing European and North African stations by frequency. By that time most of the war-destroyed transmitters were back on the air, and the BBC had shifted to its pre-war wavelengths. Two of the strong signals were from Radio Luxemburg and Algiers, but Hamburg and Cologne were quite good, too.

I came home just before Christmas 1945, and you can't believe how good it was to hear WNEW 200 miles off the Virginia coast. From that moment on I tried to pick up those elusive TA's on my 1936 model 6 tube Philco from my new home in Wynnewood, Pa., a suburb of Philadelphia. But even with that log of stations I still heard no TA signals. Then, almost a year later, in December 1946, the opening finally came. I had put 2 and 2 together and decided that the hets I was hearing coincided with the frequencies of European stations.

So I sat on them until one night in early December when the het just below WABC-880 (now WCBS) became London-877 at the WABC 12:45 A.M. sign off. Loud and clear! After that the TA's rolled into place. Clevedon on 1382, Lille on 1393, Toulouse on 913, Start Point on 977, Monte Carlo on 1456, and others. And on an afternoon a day or so later, Washford-804 at 4:30 P.M. The Clevedon station (20 KW) and Washford (60 KW) were particularly satisfying because I had been stationed near their transmitters while at Bristol, England during the War. I didn't go for veries at that time, but I did write the BBC about my reception and got a nice letter in return. But as far as I knew, DX was a dead hobby. RAOEX was no longer publishing and I didn't know about the NRC or any other radio clubs.

Twelve years went by, and I had married, fathered three children, and bought a home in Wallingford (between Philadelphia and Wilmington) before I resumed foreign DXing. Inspired by an article on OXing the

World by C. M. Stansbury in an early fall 1958 edition of Radio-TV Experimenter, I dusted off my Philco and went outside and put up a 75 foot longwire. I also joined the National Radio Club (mentioned in the article) in October. And there they were, on new frequencies, the TA's from Europe and North Africa along with the LA's from Central and South America. And now I began to verify the stations and count the countries verified with a passion that eventually netted me 423 stations in 119 countries. But 187 of these stations and 66 of these countries were verified TA's, and that's what I'm writing about.

During the first couple of years of my DX "rebirth" I logged a fair number of these stations, either from late afternoon until early evening, or from about midnight to 2:30 AM, and on occasions, in the mid-evening hours. Here are some of the more consistent signals from those years (1958, 1959, and early 1960). Keep in mind that this was a period of maximum sunspot activity making for relatively infrequent TA reception. LA's were much more commonly heard.

Frequency	Location	Power in KW
647	Davenport, U.K.	150
665	Lisbon, Portugal	135
692	Moorside Edge, U.K.	150
737	Barcelona, Spain	30
755	*Lisbon, Portugal	135
782	*Porto Miramar, Portugal	100
836	Nancy, France	150
845	Rome, Italy	150
863	Paris, France	150
908	London (Brookman's Park) U.K.	140
926	Brussels, Belgium	150
935	*Tangier, Morocco	160
1043	*Dresden, E. Ger.	240
1052	Start Point, U.K.	120
1088	Oroitwich, U.K.	150
1088	Bratislava, Czech.	150
1106	AFN-Stuttgart, W. Ger.	100
1187	Budapest, Hungary	135
1196	*VOA-Munich, W. Ger.	150
1205	Bordeaux, France	100
1214	BBC-Light, London, etc.	50
1286	Prague, Czech.	100
1295	*BBC station in W. Germany	100
1376	*Lille, France	150
1439	Luxemburg	350
1457	*Clevedon, U.K.	20
1466	*Monte Carlo	400
1554	*Nice, France	60
1586	*Oldenburg/Hanover, W. Ger.	40



The \* stations were heard most often and with good signals. Note that only 3 stations used more than 200 kilowatts, and there none over 400. Just compare these with some of our present day monsters!

During the rest of 1960 and in the years 1961 and 1962, reception of TA's was getting better and better, and in January 1962 I acquired the HQ-180 which I still use. The low powered stations in Spain and Portugal sometimes sounded like semi-locals, and I'm talking about powers of five kilowatts and less. Countries further away, like Sweden, Norway, Romania and Yugoslavia, were being verified. And as for North Africa, by 11-6-62 I had veries from Oran, Algeria-1304, Agadir, Morocco-935, Batra, Egypt-818 and Tunisia-962. Also, in 1962, I logged and verified South Africa-638, Senegal-1538, and Ivory Coast-1493. In 1963 some of the interesting catches included Lithuania-665, Iraq-764, Niger-1511, and Liberia-650. Note the increasing distances and the low frequency stations now being heard. But the peak conditions came in 1964 and 1965. This was a cycle of minimum sun spot activity. We were picking up more TA's on more nights, and they were starting to come in from mid-afternoon (sometimes) until the wee hours of the morning.

Back to September of 1964! Tunisia-629 was logged one evening at 7:00, and Dahomey-1475 came in beautifully from 1:30 to 2:30 A.M. Sept. 21st brought me 10 kilowatt Radio Caroline atop 1520 kc. at 1:00 A.M. with only slight QRM from KOMA, and 10 KW Sierra Leone-1200, in clearly after WDAI's sign off at 2:00 A.M. A nice vefie letter from the engineer at Radio Caroline (North) advised that they were transmitting just off the Isle of Man shore. Also from September 1964 was a good log of Radio Oes Valles, Andorra, on 818 kcs. One evening in October I had East Germans on 692, 728, 782, 904, and 1043, all strong, along

with at least five other East European countries. (wouldn't it be fun hearing them now!) Also, BBC-647 and Hilversum-1007 were coming in most nights with 5-9+ signals. On Oct. 31st, Sofia, Bulgaria-827 was local-like from 4:30 to 5:00 P.M. On the same afternoon I heard Beirut, Lebanon-836 for the first time clearly behind a very loud Nancy, France. Subsequently, Beirut would be heard often up to 7:00 P.M. Lvov, Ukrainian S.S.R. was an evening regular on 935 kc. On 11-1-64, Damascus, Syria came through at 5:00 P.M. on 786 kc., and on Nov. 4th, Yerevan, Armenia-863 was logged between 9:00 and 10:00 PM for the first of several receptions.

I'll never forget the evening of 11-7-64 when from 7:45 to 8:00 I logged the Iceland stations on 665 and 737 behind Lisbon and Barcelona, respectively. My verie letter from Iceland indicated their power was only 5000 watts. Still in November, West Berlin-854 was a new one from 12:00 midnight to 1:00 A.M., and on 11-23, the BBC stations on 1214 kc. were still coming in well at 4:05 A.M.

December 1964 was full of goodies including Radio Veronica-1562 broadcasting from a ship off the coast of Holland. Very strong. 12-26 was Sweden night, for no less than five Swedish stations came through between 10 and 11, topped by Stockholm-773 with an incredible signal. On 12-29-64, with local KYW off the air on a Tuesday morning, Kalundborg, Denmark and Cagliari, Sardinia were heard almost simultaneously on 1061 kc. after 1:00 A.M. The Cagliari verie letter remains one of my favorites.

1965 started out with more of the same. On 1-5, Vilnius-1106 and Kaliningrad-1115 were excellent around 10:00 P.M., Leningrad-1124 was heard at the same time, and just a little bit later, Tallinn, Estonia on 1214. BBC-1214 wasn't AN then. On 1-11-65 I verified Radio Caroline South-1495 from an early September report. 1-23-65 was good for a log of Porto, Portugal-1367 in the early evening. Then on March 15, 1965, I noted the Wales Regional transmitter very strong on 881 at 1:30 AM, with WCBG off. Still in March, South Africans were heard clearly around 11:00 PM on 845 and 908 kc, mixed in with Rome-845 and (I guess) East Germany on 908. Same evening at 11:30 PM, Thessalonika, Greece-791 was coming through. 3-19-65 brought very strong signals mid-evening from West Germans Stuttgart-575 and Frankfurt-593.

In the fall of 1965, Algiers-548 and 890 (behind WLS) were heard easily on a September evening. Poland-1304 was fine at 7:50 PM on 9-14-5. And on Monday morning, Sept. 27th, I made a detailed report of the new Radio London-1133 from 1:00 to 2:00 AM. On 10-1-65 it was Mali-1416 between six and seven in the evening in French. The dial was full of strong TA's on Monday, Oct. 18th after 1:00 AM, and they included Stavanger, Norway-1313 and BBC-1151, C58-30 Portugal on 1169, but the most exciting was Vigra, Norway on 629 at 2:20. And then came BBC North Ireland on 1340 behind local WHAT from 2:00 to 2:30 AM. Tuesday 10-19 brought more good loggings around 7:00 PM from Lebanon-836. This station no longer exists. A week later a new one was Radio Peninsular, Madrid-989, at 2:00 AM. On 11-6 it was Radio Saar, West Germany-1421 dominant-1420 kc. at 12:30 AM. Also good that November was a low powered BBC station on 1484 kc. at 3:00 AM. On 11-15 at 10:00 PM it was Kiev-1169 and Moscow-872 - weak but readable. Brno, Czechoslovakia-953 made it through WPEN splatter at 11:00 PM on evening. On 11-25, Mali, now on 1428, came in again at 1:00 AM. On 12-20-65 Portugal on 665, 755, and 782 was good as late as 4:00 AM.

In January of 1966 another Syrian, on 746, was logged at 7:50 P.M., and in February, Radio Scotland on 1255 kc at 7:30 PM. It was my fifth offshore station, all of which had relatively low power but good signals. I guess being at sea made their signals carry so well. The only other one was Radio 270 (English) heard March 1967 on 1115 kc., but never verified.

After the spring of 1966, TA reception fell off sharply, never really, to return to those levels of the mid-1960's. The sun spot minimums of 1975 and and 1986 certainly brought better conditions, but not as intensive. I did manage to log and verify Malta-1554 in 1969, Libya-1124 in 1971, Mauretania-1349 in 1972, Israel-737 in 1973, Turkey-1016 in 1974, and Saudi Arabia-1521 in 1979. Incidentally, in the 70's I took down my long wires and began using loops from the SM-1 and SM-2 to the present Sanserino. I wish I could have tried it in 1964!

The past decade has brought few TA openings as reports to IDXO will attest. But I must confess, I do not get up each Monday A.M. like I once did, and I seldom stay up late at night to look for those rare ones, and when I do, either the reception is awful or the dial is covered with an impossible buzz. The current season (1989-1990) seems to be

typical of the present state of Foreign DX. Weeks with practically no TA's; few splits of any kind; often no hets; almost every frequency a jumble; some Cubans; little else. What is wrong - beside the increasing sun spots, round the clock overcrowding of all frequencies, uncontrollable electrical interference, and maybe me?

Well, for starters the European stations have changed. The megawatters are squeezing out the smaller guys. No small number of countries are decreasing AM broadcasts in favor of FM service. And quite a number of transmitters are directional, protecting themselves as well as targeting their signals to certain areas. Some of the larger stations change patterns and directions, and some, like the French, operate on irregular hours. All this decreases the number of available signals.

The past fall, while travelling in Turkey and Belgium, I did spend a little time - between sightseeing trips - checking on what was being heard. I used my pocket size Sony ICF-4910 which can bring in the signals sharply, including on occasion, stations over 3000 miles distant. The list that follows includes the more often heard stations with good signals. 25 years ago, most of these probably would have made it across the Atlantic, and perhaps there is still a chance for some of them this DX season. I have merged my loggings for Turkey and Belgium, by frequency. Belgium is before / and Turkey is after /

540 Belgium (Wavre) (I was staying about 5 miles from here)  
 549 /synch., U.S.S.R. (good at Istanbul)  
 558 / Turkey (Denizli) (good in West Coast area below Izmir)  
 567 Ireland (Tullamore); West Berlin (nights)  
 585 Spain (Madrid); Austria (Vienna) (nights)  
 594 W. Germany (Frankfort) (night and day)  
 621 Belgium (Wavre) / Egypt (Saba) (day and night)  
 639 synch. Spain / Czechoslovakia (Prague) (night)  
 648 U.K. (Oxford) (day and night in Belgium)  
 657 E. Germany (Burg); synch. Italy (night)  
 666 W. Germany (Rohrdorf); Portugal (Lisbon) (night) / Greece (Athens)  
 675 Netherlands (Lopik) (day & night); France (Marseille) (night)  
 684 Spain (Seville); Yugoslavia (Belgrade) (night) / latter also in Turkey  
 693 synch. U.K. (mostly Droitwich) day & night; East Berlin (night)  
 702 W. Germany (Aachen) (day) / Turkey (Istanbul) (day & night) \*  
 711 France (Rennes) (night) \*\*  
 720 W. Germany (Langenberg) (daytimer) / Cypress (BBC) (night)  
 729 synch. Spain (night) / Greece (Athens) (day & night)  
 738 Spain (Barcelona); Poland (Poznan) (night) / Israel (Tel Aviv) (night)  
 747 Netherlands (Flevoland) (local-like) / Bulgaria (Petric) (day & night)  
 756 W. Ger. (Brunswick) (day & night) / Romania (Timisoara) (night)  
 765 Switzerland (Sottens) (night) / U.S.S.R. (Odessa) (day-Istanbul) & night  
 774 U.K. (Kent) (day) / W. Ger (Bonn) (day) / syn. Spain (night) / Bulg. (Varna) day-Ist  
 783 E. Germany (Burg) (day & night) / Syria (Tartus) (night)  
 792 Spain (Seville) & France (Limoge) (night) / Greece (Kavalla + VOA) (day & night)  
 801 W. Germany (Munich); U.S.S.R. (Leningrad) (nights)  
 819 Italy (Trieste) & Poland (Warsaw) (nights)  
 828 Spain (Barcelona) (night) / Bulgaria (Sumen-Sofia) (day-Istan. & night)  
 837 France (Nancy) \*\* (day & night); Spain (Seville) (night)  
 846 Italy (Rome) good nights, Belgium or Turkey / Istanbul  
 855 W. Berlin & synch. Spain (nights) / Romania (Bucharest) (day & night)  
 864 France (Paris) \*\* (day and night)  
 873 W. Germany (Frankfort) (day & night)  
 882 E. Germany (Wacherbrunn) (night); UK (Washford) (day & night)  
 891 Netherlands (Hulsberg) (day & night); Algeria (Algiers) (night)  
 900 Italy (Milan) (night) good everywhere  
 909 synch U.K. (mostly Brookman's Park) (day and night)  
 918 Yugoslavia (Ljubljana) (night)  
 927 Belgium (Wolverton) (local) / Turkey (Izmir) (day, W. Turkey)  
 936 W. Germany (Bremen) (night)  
 945 France (Toulouse) \*\* (night)  
 963 Finland (Pori) (mid-afternoon on)  
 972 W. Germany (Hamburg) (night)  
 981 Algeria (Algeria) (night) / Greece (Megara-Athens) (day & night)  
 999 Algeria (not listed but // to 891) / U.S.S.R. (Kishinev) (night)  
 1008 Netherlands (Flevoland) (local-like)  
 1017 W. Germany (Rheinsender) (day & night) / Turkey (Istanbul) \* (day & night)  
 1026 Austria (Graz) (night)  
 1035 Italy (Milan) (night) good everywhere including west Turkey  
 1044 E. Germany (Dresden) (night)  
 1053 U.K. (Start Point) (day & night) / Romania (Lasi) (night)  
 1062 Denmark (Kalundborg) (night)  
 1071 France (Lille) (day & night)  
 1089 synch. U.K. (mostly Brookman's Park) (day & night)



- 109# Czechoslovakia (Bratislava) (night)
- 110# W.Germ (AFN); Spain; (nights) /Egypt (Batra) (night)
- 112# Belgium (La Louviere) (local) / Bulgaria (Stara Zagora) day & night
- 113# Yugoslavia (Zadar) (night)
- 114# U.S.S.R. (Kaliningrad) \*\*\* (night)
- 115# / Romania (Cluj) (night)
- 116# synch. France (night) / Bulgaria (Stara Zagora) (night)
- 117# Sweden (Solvesborg) (mid-afternoon on)/ Greece (Thessalonika)day, nite
- 118# Hungary ( near Budapest) (night)
- 119# W. Germany (VDA-Munich) (night)
- 120# France (Bordeaux)\*\* (night); synch. Poland (night)
- 121# synch. U.K. classical (night)/ Albania (night)
- 122# / Bulgaria (Vidin) (day-Istanbul, night elsewhere)
- 123# synch. Czechoslovakia (night) / Cypress (Cape Greco) (night)
- 125# / Libya (Tripoli) (night) (also heard once from Belgium)
- 126# Spain & Poland (nights) / Rhodes (VDA) (night)
- 126# W. Germany (Neumunster) (night)
- 127# France (Strasbourg) \*\* (night)
- 128# Czechoslovakia (synch.) (Foreign service) (night)
- 129# U.K. (Orfordness) (day & night) directed to Continent
- 130# synch. Poland (night)
- 131# Norway (Kvitsoy) (audible most of the time)/ U.S.S.R. (Yerevan)(night)
- 132# E. Ger. (Wachenbrunn)\*\*\* (night)/ Cypress (BBC) (night)
- 133# Italy (Rome) (night)
- 134# U.K. (Lisnagarvy, N.I.) (night)
- 135# E. Berlin (night)
- 136# Poland (synch.) (night)
- 137# France (Lille)\*\* (day and night)
- 138# U.S.S.R.(Kaliningrad)\*\*\* (night) / Greece (Athens)(day and night)
- 139# Albania (Tirana) (night)
- 141# Yugoslavia (Pristina) (night)
- 142# W. Germany (Saarbrucken) (night)
- 143# E. Germany (Bernburg) (night) / U.S.S.R. (Odessa) (night)
- 144# Luxemburg (day and night)
- 145# U.K. (London) & Albania (Tirana) (nights)
- 146# Monte Carlo (Xmtr in France) (night)
- 147# Austria (Vienna) (night)
- 148# / Greece (AFRS Kato Souli) low power; must be near Turkish coast(day)
- 149# U.S.S.R. (Leningrad) (night) / Rhodes (day & night on Turkish W.ccast)
- 150# Poland ( Stargard) (night) foreign service
- 151# Belgium (Wolverton) (local) foreign service / Saudi Arabia(Jeddah)
- 152# Czechoslovakia (synch.) (night) / Saudi Arabia (Duba) (night)
- 153# Vatican (night) good everywhere
- 153# W. Germany (Mainflingen) (night)
- 154# U.K (mostly London) (night) / U.S.S.R. (Ukraine) (night)
- 155# France (Nice) (night) / Malta (relay) (night)
- 156# Switzerland (Garnes) & Tunisia (Sfax) (nights)
- 157# E. Germany(Burg) & Italy (synch) (night)
- 159# W. Germany (Langenberg) (night)

**56WHBQ**  
News/Talk Radio

The / stations were heard from Turkey, but most of the Italians Yugoslavians, and Albanians were heard from both Turkey and Belgium. With a few exceptions, I omitted the low powered stations in both countries. Among the above, some of the real powerhouses are Finland-963, Yugoslavia-684 & 1134, Sweden-1179, Norway-1314, and Poland-1503. Also, Radio Moscow is relayed on 1143, 1323, and 1386 \*\*\*, all powerhouse stations. Of course the Albanians are, too, and Luxemburg-1440, and Monte Carlo-1467. \* Refers to the Istanbul stations on 702 and 1017. Both are weak in other sections of Turkey, and sound like there may be more than one transmitter on each frequency, ( as if each station were interfering with itself). \*\*Refers to the French "B" network. These stations go off the air around noon, return in mid-evening, but sign off about 2200 GMT. I was able to hear 25 countries from Turkey and 38 from Belgium. No North Americans, because I never tried at the right time of the morning. Was too tired to.

So let us hope the TA reception may return to us once more. If not this season, maybe in a few years, but please, let's have some of it soon! This year we will be taking trips to Malta, Hawaii, Fiji, Tonga and Western Samoa. I should pick up some interesting stations to make my year!

Ben Dangerfield  
202 Governor's Dr.,  
Wallingford, Pa. 19086 *Ben*

**KDEA KNIR**  
STEREO 99.1 FM 1360 AM

# Verification Signers

**Wayne Heinen**  
4131 S. Andes Way  
Aurora, CO 80013  
(303) 699-6335 (prepaid only)  
A listing of verification letter signers, contributed by NRC members

Freq.	Call	Verie Signer	Contributer				
530	CFYZIz	Ron MacLachlan M	DT	1250	CBOFlq	J.Marcel Carriere	AudR
		Addr: Lester B. Pearson Int'l		1250	WGLI	James D.Windsor	CE
		Airport Toronto A.M.F.,ON L5P 1B5		1270	WUCOlbm	Ron Barlow	GM
550	WICEL	Norman F. Allenbaugh	WG	1280	WADOlrm	Richard N. Ross	CE
560	CFOSf	R. Coyne CE	DT	1300	WKSTimz	Werner Ullrich	DT
560	KL.VIblm	David J. Cunningham	TD	1320	KUTRf	Ritchie Bauer	CE
570	WAAXIb	Jim Pruett PD	BW	1330	KWKWlwmz	Tony Noto	CE
570	WNAXImz	Terry Morley CE	BW	1330	WDLZlx	Donald R. McComb	CE
570	WVNCImu	Terry Shinn ACE	RV	1330	WEYZI	John W. Gallagher	CE
580	CFRAq	George Roach CE	DT	1340	WLVLlq	Tom Foley E	DT
620	KSTRlB	Ken Pilling CE	0W	1340	WMIDqgz	Bill Musser	GM
620	WTMJq	William Koeller ESu	DT	1360	KNRBlmbz	Andrea Phillips, Staff	
630	CKRCl	Lil Theissen APD	HF/BW	1360	WLCMI	Bill Curry O/M	
630	WLAPq	U/U	HF	1360	WSAII	Ray Winters	RV/DT
640	WGSTq	Milton Thurlow CE	HF	1380	KCIMI	Debra Kulbel DoOP/DoPHF/BW	
640	WNNZI	Curt Hahn P	WG	1390	KGERcbh	Bill Sheets	CE
650	WKKQbm	But No Verie!	HF	1390	KXSSIb	George Simmons OpM	
660	WFANf	James D. Seaman CE	DT/WG	1450	WFRAI	Robert H. Sauber	GM
680	KNBRI	Bob Agnew PM	HF	1460	KDMAI	Dwight L. Malden	PD
680	WCAWIm	Dave Higgenbotham CE	HF	1460	WWWGq	Jeffrey Balcen	COP
680	WPTFlbz	Bryan McIntyre VP/GM	HF	1470	WOHlq	Peter Walkwial E	
690	CBFnaq	Claire Trudel	BW	1480	CKANlbu	Kevin Gibbs	D
690	KOAOQI	Michael J. Tracy GM	0W	1480	KLEOlbz	Kitty Malone M	0W/WH
690	XETRAQ	Joniah M. Alvarez	BW	1490	KTOPI	Bob Potter M	
700	WLW	U/U	DT	1490	WABJIm	Jeffrey R. Cosgrove	GM
710	WHBI	R.L.Cleary E	BW	1500	KSTPI	Robert C. Franssen	GM
720	CHTNI	Gordon Mills CE	WG	1520	WDSLImz	George Frye Jr OpM	
720	WGNq	James J. Carollo CE	DT	1550	WYNXlx	Stelman J.Bordan	GM
720	WWIII	Carl C. Kuehn II CE	BW	1570	WPEPI	Lenore F. Cardoza	PD
730	CHYRlz	Tony Everett AE	RV	1580	CBJq	Camille Roch	
790	WGSWI	Cliff Griff CE	HF	1580	KZKLP	Rob Roberts	PD
810	WGYq	Louis M. Correia CE	DT	1580	WPMOlB	Brenda Green	
860	CBHq	Brenda VanDerVoort	RV		<i>Initial Name</i>		<i>Loc</i>
860	CJBCqu	"Public Relation"	RV	RA	Ray Aruda		MA
870	WKARIm	John Hawkins	BW	WG	Warren Greenberg		MA
890	WFKJxl	"Dottie" A	RA	HF	Harold Frodge		MI
920	KDHLIm	Rex A. Wilder	DT	BW	Bob Walker		MI
930	WBENlBq	David A. May VP/E	DT	0W	John Wilkins		CO
930	WEOLf	Glenn P. Smith COP	HF	RV	Robert Vance		VA
940	CBMq	Monique Dubois	DT	DT	Don Trelford		ON
940	WINZqgz	U/U TD	RV	WH	Wayne Heinen		CO
970	WWSWqu	U/U ACE	RV				
1010	WYSTI	Lang Sturgeon CE	RA				
1020	KDKAI	Renee Schengor (intern)	DT				
1020	KRADlB	Tedy Stockwell Trf	0W				
1040	WHOqz	U/U	BW				
1040	WJORlmb	Kay Chandler DJ	RV				
1060	KYWI	U/U	DT				
1090	WILDl	Stephen Hill PD	WG				
1120	KMOXI	Paul J.Grandhauser MTOp	DT				
1150	WGBRI	Lewis P. Graves COP	BW				
1180	WHAMq	Jack Murphy GM	DT				
1180	WJNTI	Ann Denley TrfM	HF				
1190	WOWOq	Eric Culp EM	DT				
1200	WOAlc	John Furr TD	HF				
1220	CHSclu	Larry Garrington CE	DT				

**Join the verification game!**  
Now, you can help out with station tests. Here's how: Send Wayne Heinen - 4131 S. Andes Way - Aurora, CO 80013 two 25¢ stamps per station, and Wayne and Jeff Tynan will print and mail an effective test request letter for you. You can either specify station and time, or just take pot luck. Increase your veries and help other NRC'ers at the same time ... join the verification game!



After reading articles by Graham Maynard on his Synchronous Detection circuit for the R-390A in both "Hollow State Newsletter" and NRC's "DXNEWS", I decided to check out this inexpensive mod to the R-390A. Parts were mostly from my own junk box with the trimmer caps being purchased at Radio Shack, 2 for \$1.98. The initial results were very encouraging. I'm using the second circuit from HSN Vol 19, page 6 (NRC "DX NEWS" Vol. 56, No. 28).

I used Graham's technique for constructing C1 and mounted all other components on a piece of perf board. The ground connection was made by fastening a spade lug to a mounting screw located just under the "Gain Adj" pot (R519). I used #14 solid wire which allows the light weight perf board assembly to "float" just to the right of R519. For ease of installation, I used a test socket to make my connection at Pin 1 - V505. The adjustments of C2 and C3 were rather critical, but, after peaking them three or four times, I did obtain -16 to -18 volts at the diode load terminal with the circuit locked on a local signal. I have mounted an old inexpensive Radio Shack VOM next to the RX with permanent connections to the diode load terminal and ground. In order to fine-tune the lock on the carrier, I adjust the BFO oscillator with the BFO control instead of using the kHz tuning knob. As the signal locks on, the voltage abruptly swings from -10 to -12 volts up to the -16 to -18 volt range.

When drifting occurs, wide swings of the meter are observed and a fluctuation in the audio is heard. By adjusting the BFO oscillator control slightly, I can usually maintain the lock on the frequency.

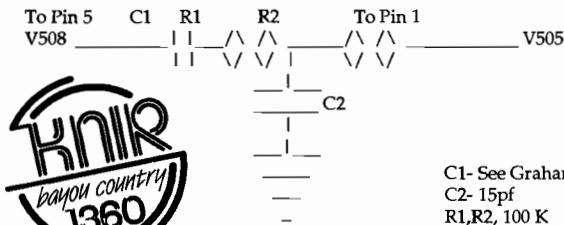
My experience has had an important effect. It has introduced me to a world of better audio and therefore easier-to-understand DX on BCB at a price that I could afford.

I'm using a Motorola PTO, (R-390A/URR Motorola Manufacture SN #1050) with this basic circuit. I mention this because certain model PTO's will work better with Graham's first circuit than with the second circuit. The first circuit is reproduced below. For some comments on the various PTO's and which circuit works best with which PTO, you can check HSN Vol. 19 Pg 7. I, however, recommend experimenting. I am having far greater success with Graham's second circuit, although others have reported more success with his first circuit in units with the Motorola PTO.

I have observed that the amount of drift, and consequently the period of time that the circuit maintains the lock on the channel, differs from band to band. This is probably due to crystal stability in the IF oscillator crystals. (See Dallas Lankford's comments HSN #19 Pg 7). On the BCB bands, I am able to maintain the lock between 5 and 10 minutes. This is after a 15 minute warm-up of the receiver. I have maintained the lock for as long as a half hour during extended DX sessions. A comment is a recent letter from the circuit's designer Graham Maynard: "I have found that the R390A has massive thermal inertia and can not be considered "warmed up" until it has been running 2 or 3 hours. My own sets maintain synchronous lock for days. I have replaced all of the inaccurate or "drifty" crystals and made sure all the oscillator tube pins and socket contacts were good and clean and made it a point of NOT using the ovens."

I have noticed good results on obtaining more intelligible audio from crowded channels. A few recent loggings of graveyard stations from Texas were due in part to the synchronous detection mode. With it off the audio was jumbled; with it on, and locked to the frequency, there was a distinct improvement to the intelligibility.

All in all, the circuit for the price is EXCELLENT. It certainly will allow R-390A users a chance to experiment with synchronous detection at an affordable price, as opposed to plunking down a quantity of money for a synchronous detection unit prior to seeing if the technique is viable for your listening requirements.



C1- See Graham Maynard's Article (Ref above)  
 C2- 15pf  
 R1,R2, 100 K

P. O. Drawer 12107 · 145 W. Main Street  
 New Iberia, Louisiana 70562-2107

**ERRATA CORRECTIONS to Graham Maynard's Audio AVC Module ...** by Wayne Heinen

In a recent letter from Graham, he asked me to pass along a correction to the schematic of the Audio AVC module (DXN Vol. 56 No. 28). He stated that in making his final drawing of the schematic for "DXNEWS" both D-2 and D-3 were reversed! If it's built as shown, it won't work. Simply reverse the diode configuration with the cathode ends connected to terminals 10 and 13 and the anode ends to the base of TR1. This is the way the circuit diagram should have read. Although I have not tried this mod yet, it is on the my list. I hope to have further reviews of this and other mods in the future. My thanks to Graham for his fine work on these R-390A mods and for keeping us informed.

# Target DX

**Jim Renfrew**  
 61 Wilcox Street  
 Rochester, NY 14607-3832

*DX'ing 'smart', with shared tips and requests by NRC members*

I received a nice phone call from Don Trelford of Scarborough, Ontario the other night. Don has gotten active again, after many years away from the dials. His only records from the distant past are his QSL cards and verification letters. Don called to tell how he was hearing a number of Cuban stations that night, including some powerful ones on 830, 1040 and 1100 khz.

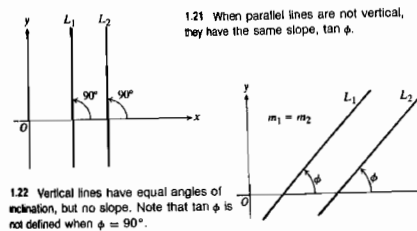
Don's call suggests a theme for this month's column: parallels. A previous column noted the various shortwave - mediumwave parallels that exist. I'd like to point out that there are plenty of parallels within the mediumwave band alone.

First, foreign broadcasters often transmit the same programs on different frequencies. Cuba is famous for this, with ever-changing networks of stations, not only Radio Táino, but also Radio Reloj, Radio Progreso, and Radio Rebelde, as well as smaller provincial networks. When Cuba is coming in strong I have been able to log as many as a half a dozen new stations simply by getting an ID on the loudest one on a clear channel and then digging for the rest on regional channels. Radio Reloj is perhaps the easiest with its tell-tale morse code "R-P" ID punching through the interference every minute. How many other stations do you know that ID every minute?

Cuba is just the beginning. CARACOL, a Colombian network often has the same news and sports programs on different channels at night. In October I heard CARACOL on 1040, 1100, 1170 kilohertz. I've also noted the same sports program on different Portuguese stations as well. Many have heard Anguilla's english language Caribbean Beacon on out-of-band clear channel 1610 kilohertz, but have you tried for the Beacon's outlet on 690 khz? Whenever I've heard them on both frequencies they're in parallel. Jamaica has two networks that can be heard on several frequencies at once, most of them on US clear channels. We are fortunate that Don is planning a trip to Jamaica and we can hope that he will provide us with some detailed program information from these stations upon his return.

Sometimes a number of parallels operate on the same frequency, such as those from Spain on 1584, but its often difficult to get a local ID. My logbook shows "Spain" only on this line, meaning I have no idea which one it was I heard. In fact, I was hearing at least two 1584 outlets, because they were fading in and out at different times. Jim Herkimer of Caldonia, NY, however, heard a local ID from one of these synchronous transmitters some years back, so it is possible.

Second, American and Canadian sports events are often broadcast over networks of stations. I had fun last August with the Los Angeles Dodgers baseball network list, which allowed me to tentatively ID a number of stations that I could plan to dig for at local ID time. The sports networks that you see printed from time to time in DX News are not just there for sports fans, but are a helpful set of clues for the DXer. I have a Sony ICF-2010 portable, which allows me to punch all the Dodger frequencies into 32 memories, and then I start hunting.



1.21 When parallel lines are not vertical, they have the same slope,  $\tan \phi$ .  
 1.22 Vertical lines have equal angles of inclination, but no slope. Note that  $\tan \phi$  is not defined when  $\phi = 90^\circ$ .

You will notice many of the same talk shows across the dial at night. These are the most frustrating parallels of all, because they could be from anywhere, and more than a few seem to forget to ID on the hour, and almost all, in my experience, fail to ID on the half hour. The tell-tale hint of frustration to come is when an announcer informs listeners that it is so many minutes "past the hour," which means a satellite-fed program.

Not too many nights ago, I heard, for the first time, CHLC-580 with a broadcast of the Quebec Nordiques hockey game in French. On the right margin of the NRC Log this entry shows that CHLC is actually a relay of CFRP-620. Knowledge of the parallel helped me in several ways. I immediately looked for the originating station on 620 - no sign of it this time. A search through back issues of DX News found a 1988 Nordiques network list showing CHLC. And,

18  
once I heard the actual call letter ID of CFRP and CHLC, I then spent the remaining time really digging for the 620 station. This I did in spite of evidence from the NRC Night Pattern Book that the station is directional away from Rochester at night, hoping that Wayne Heinen's "Pipeline Effect" was prevailing between Rochester and Quebec. After all, it made no sense that I was hearing CHLC-580 in the first place!

Hearing a broadcast that is parallel to a known station does not establish the new station's ID with absolute certainty, but it is a most valuable clue in searching for new ones.

With regard to Radio Taino, my hot-off-the-presses copy of the 1990 World Radio TV Handbook indicates the following information about the outlets that Don heard:

830	CMBV	R. Taino	La Julia	300 kw
1040	????	R. Taino	????????	??? kw
1100	????	R. Taino	????????	??? kw
1160	CMBV	R. Taino	Villa Maria	300 kw

Radio Taino, P.O. Box 3040, La Habana 3, Cuba

Thanks for your call, Don.

P.S. Please note that my zipcode is 14607-3832, not the 14606 that has appeared at the head of the column. I hope that letters have not been lost because of this. If you have wondered why I have not mentioned a letter from you, this may be the reason.

JIM

# WFMJ radio signal sold

## WHOT-AM will broadcast on stronger 1390 frequency

John A. Grdic, general manager of WFMJ Broadcasting Co., and Myron Jones, CEO of WHOT Inc., announced jointly Thursday an agreement for purchase by WHOT Inc. of the WFMJ radio facility.

Subject to approval by the Federal Communications Commission, the sale includes certain of the radio station assets and the FCC license to broadcast with 5,000 watts at 1390 kilohertz.

The WFMJ call letters are not included in the sale and will remain with Channel 21, WFMJ-TV.

Upon FCC approval, WHOT-AM will switch from 1330 to 1390, which will provide higher power and a greatly increased listening area for WHOT-AM. The present WHOT-AM 1330 facility will be sold.

According to Bill Glover, WHOT vice president and general manager,

"The transition from 1330 to 1390 will obviously take some time to accomplish. It's a complicated engineering feat that both facilities will have to work together on accomplishing.

"For awhile we will be running both radio stations together, but it's too soon to know the technical plans. Obviously we are going to take the facilities, the 1390 frequency and the transmitter of WFMJ over and we're going to operate it as WHOT. Since that will take some time, in the interim we will be simulcasting the WHOT-FM on WHOT-AM."

Transfer of the station and sale of WHOT-AM 1330kHz facility is expected to take several months.

The new AM 1390 station will feature the call letters WHOT-AM

1390, and a new nostalgic music format similar to the present WFMJ format. Glover continued, "We hope in several weeks to be on the air with the new 'The Music of Your Life' format."

According to Grdic, "The station has been sold to a company that I believe will carry on the tradition of WFMJ."

John Kanzius is president of WHOT Inc., and Dick Thompson is the station's operations manager.

The WFMJ radio station was granted its license April 22, 1938, by the FCC and was ready to go on the air by Sept. 7, 1938. At the time of application, permission was given to construct the new station to operate on 1,420 kilocycles and power of a mere 100 watts with hours of operation limited to daytime. **Youngstown Victorator**  
-via Gayle Yeager  
-via Jerry Starr

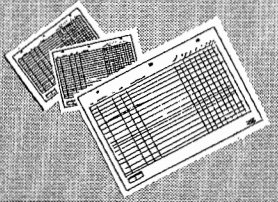
# KOIT fm96.5 • am1260

77 Maiden Lane • San Francisco, CA 94108

## Logsheets - By Frequency

110 sheets, 25 entries possible per sheet with space available to add your own columns. Punched for three-ring binders, full-size 8.5 x 11 inches, on heavy paper. US\$5.00 (25 sheets for US\$1.25).

Order from the Pub Center.



# Musings

of the Members

Al Muick, Jr.

3500 Woodchase, #1310

Houston, TX 77042

Times are local per Muse.

Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

Well! It seems that the original of this Musings edition has gotten lost in the mail, so here we go again! I'll bet you all thought (hoped?) something had happened to me, HI. Christmas was spent snowed in in Savannah, GA and New Year's was spent fogged in in Indianapolis, IN. In both instances, I was putting a low-power TV station on the air for a company called Video Jukebox. If you live in Indy, check out CH 47 with 1 kW and if you live in Savannah, GA or Raleigh, NC take a look at CH 13 with 10 watts. On to the Musings.

RICK DAU, RR2 Box 64, Oakland, LA 51560 (712)-483-2230 after 2130 CLT  
Hello again from Hawkeyeland. As we close out this decade, I have to look back for just a moment at how much the band has changed in the brief 8 1/2 years that I've been on the dials. I suppose the first thing that comes to mind is the glaring fact that clear channels have gone by the wayside in such a short time. I have in my possession the NRC Canadian/American Night Pattern Book, dated 1980. On 650-only WSM. On 700-just WLW (did you see the article in Broadcast Engineering magazine where WLW was originally authorized to operate with 500kW in 1934?!--ajm). On 840-the only thing there is WHAS. On 1040-only WHO. On 1200-just WOAI. The upper clears, however, have undergone the most drastic changes, especially the "magic" frequencies of 1570 and 1580, which just sound like mud nowadays. Granted, the PSSA powers granted to some of the regionals have provided some amazing catches (my best is still KAPB-1370 Marksville, LA, at 40 watts from over 400 miles), but some of those channels are now, for all practical purposes, graveyards. Formats have also gone through dramatic facelifts. Ten years ago, the idea of all-business, all motivational, all-pickled beets recipes, all-Zager and Evans, etc., would have been laughed at. Now specialty formats and satellite services are the in thing as we head into the 90's. Some unfinished business from 1989: 1) At the NRC get-together in Topeka, I brought along some copies of "Hot Tips and Targets," a bulletin published by a now-defunct club called DX mid-America, which I was in the process of resurrecting. At the business meeting, I announced my plans and said that whoever wanted to look through the copies was free to do so. However, someone interpreted this as "free samples," and when I went back for them on Monday morning, they were missing. Anyone who has or who knows who has these, please let me know right away, as these were the only bulletins I had to go from in getting together a new layout, and this will obviously push back the date for getting DX mid-America started again; 2) at Roger Winsor's place in November, he showed me his QSLs. One verie was interesting in that it showed a date of January 1965 and mentioned an NRC member in Iowa City, Iowa. Anyonw know who this might have been? Eastern Iowa can be a unique place for DX, as Springville's Doug Beard and Dubuque's Len Kruse, can attest to. December highlights: from two years ago - home from college on break, I tunes to WJR and listened to their play-by-play of Michigan-Florida EKB -- from one year ago - best catches of the month were KVEL-920, KNX-1070, CKWX-1130, KLDI-1210 and KREL-1280, the last being my first Nevadan. That's it for now. May you all have a prosperous and DX-filled 1990. 73 and so long from The Farm.

KEN ONYSCHUK, 19110 Pine Drive, Country Club Hills, IL 60478  
Season's Greetings to all the membership. Some nice memories of 1989 to pass along. Due to late summer hurricanes, I was able to hear 690-WPDQ, and 1110 WBT, on day patterns at night. Just before Christmas, Jacksonville, FL got some 4" of snow, and WPDQ got their 50kW up my way again on Xmas Eve, warning listeners about slippery roads. That's what radio's all about, I say. Serve your audience when they depend on you. I was also surprised to hear 690 WVOK, after 6:30 pm Xmas Eve. That WAS unusual. 1520 KOMA also came in well around 6:40pm. I am annoyed that my most wanted station still evades me, 590 WVLK, Lexington, KY, yet I've heard WLAP on 630 many times. Figure that one out. I thought I had WVLK about 6pm in late October, but unneeded WJMS-MI I'ded instead. They are uncommon. One recent evening, after dinner, I relaxed on a heating pad, around 6:30pm and parked on 640kc. What a surprise: Atlanta Hawks pre-game show on WGST, fair signal for a while, then faded before 7pm. Not a bad signal for 1kW nites. But I doubt they'll be a regular since there's so much competition on 640 now. What a crazy word to describe this I-A clear channel now, HI. At this QTH, about the only west coast station I can hear regularly, seems to be 680 KNBR. A sure sign is their broadcasts of the NBA Warriors games. CFBR and WPTF are uncommon here. Now and then I take a long shot chance, and null 740 CBL to try for the NBA magic on WNNZ. No luck yet, but occasionally I catch a new station. Like on 12-3, just before 11pm, I caught WDFZ-TV on a local newscast. Decent signal for 10 watts. If possible, I'd like to hear from a Florida DXer to get their opinion on Magic TV announcer Chip Caray, Harry's grandson on CH 68 newscasts. Is he good? A few sad notes: in June, longtime area DJ, Millard Hanson, 58 passed away. He worked at WCFL and WHEM among others. He was a fine broadcaster and will be missed, and' last weeks WMAQ former longtime AMD announcer Henry Cooke, at 72. He was low-key and a

pleasure to listen to. A pleasant note: WJOL Joliet's Art Helyer starts his 44th year in radio in January. He hosts a Saturday morning BBD show now. Another '89 logging, though it occupied 890kc many years ago, I never knew about it, but now on 1090 in Englewood, TN, I was surprised to hear WENR on 3-28, at 12pm ID...also 1110 KDRY-TX, heard with Christian radio, with ID at 6pm. On 10-30, w/KFAB nulled...4-16, the last 1200kc DX possible, WEZY PA, heard at 1:03am with hits of the last 30 years. I lost my log book, so this is the only way I can report. Just jot notes in my frequency book. I'm happy to hear new stations, some I want, some just happen to be there-that's DX for you. That's it for this muse. Hope your mail delivery improves in 1990. So it's back to the bulls on AM 1000, and next Thursday, my Fighting Illini on WLS, the only time I ever listen to it, HI. Happy New Year.

KARL JETER, 2115 Scarbrough Rd, Stone Mountain, GA 30088  
DX has begun to pick up a bit lately, with Sat 12-9 being a banner day, the likes of which I haven't seen in a long time. Conditions were quite good and there seemed to be an opening to the north for a change. All of my tips have been submitted to DDXD. I started with a sunrise session, and in a little over an hour, had logged WYZQ-1560 in Hazard, KY, WIXY-1540 Whiteville, NC, and WYNC Yanceyville, NC. The latter two were almost heard simultaneously; WIXY first with a 7:14am sign on; and WYNC two minutes later also with sign on. WYNC won the battle and hung in there until about 8:30 when I caught yet another sign-on, from KSCV in Ft. Worth! KSCV is unneeded, however, it has been heard with other calls in the past; I think I have it verified as KMZK. The DX bonanza carried over into a sunset session, with WNYC-830 heard with a 5:30pm sign off with a weak signal; probably not enough for a report, but would like to get it before the frequency change. This wasn't my first hearing of WNYC as I logged it in 1977, and didn't hear it again until 12-9! Also that same evening, 1480 was dominated by WSAY, Salem, VA with Black Gospel music. I thought I had another new one, until I checked my log and found 1480 Salem, VA logged as WUEZ a few years back. On 1380 with WAKO nulled, a broadcast of a football game was noted around 5:35 pm, the teams were Alcoa and Brickman (?) Academy, and I suspect this was probably WYSH-1380 in Clinton, TN (close to Alcoa)...a tentative report to be sent to them. The only new verie is from local WZAL 1540 McDonough, GA, a nice, long letter from Jim De Van giving great detail about their equipment, power, and recent frequency change. He mentioned the 1985 TEST, so maybe I can suggest it is time for another on 1410? I am sending a book of stamps to the Colorado CPC Machine and a list of targets for CPC letters. I really appreciate their efforts on all of our parts in trying to schedule DX tests in a time when it is difficult and challenging to do so. They deserve our support and thanks, and I urge all members who can do so to send them some stamps! The more letters that go out only increases the number of CPC tests scheduled for us to enjoy. Thazzit for now...best wishes to all for the holidays, and 73s

RAY ARRUDA, 47 Burt Street, Acushnet, MA 02743  
Belated Season's Greetings to all. The strike against NYNEX is over with New England going back to work 11/20 and New York 12/4 ending the 15-17 week work stoppage. Reviewing the last few months of 1989: Some DX done, with two FM veries and one AM v/1 back from 11/6 WYST-1010 DX test. Some follow-ups are out with a report also out to WADN-1120 in early November which has not been answered. We'll get a try at WADN with their January '90 test along with some other good CPC tests. On Saturday, November 25, 1989 our annual Thanksgiving GIG took place in The Lower Deck. A light turnout this year, and more of a social event, but still very enjoyable. In attendance were Bob and Patti Stonier, Warren Greenberg, Glenn Cooper, Burton Zachs, Mark Connelly, Craig Healy and Ernie Cooper. We missed Tom Famerie as he was a regular, attending every GIG before his untimely death. Two weeks later we had a most enjoyable Holiday visit 12/9-12/10 from Andy Rugg, as part of his brief whirlwind tour through New England. DXers are always welcome when passing through at this QTH with overnight accommodations no problem. The Pittsburgh NRC Convention is a 50/50 possibility right now, with that vacation week already picked out for 1990. A statistic work mentioning: of 975 AM veries received, 188 were a direct result of someone's CPC efforts. Thanks to everyone who sent cards and letters over the holidays, and a happy and prosperous New Year. '73.

BILL TOWNSHEND, 4500 Conn. Ave. NW #501, Washington, DC 20008  
Greetings from Redskinsville. On Saturday, 18 November, 18, including yours truly, attended a WADXA GIG hosted by Greg Monts. Among those there at his South Arlington, VA pad was a five-month-old future DXer. When he is old enough to twist the dials responsibly, he may be working 1610 thru 1700 for the new AM stations. I used to DX that top end of the ECB for police calls in the 1940s on the RCA Victor 5-tube table model set. That GIG is in answer to a similar GIG hosted by Tim and Jill Noonan at their Madison, WI pad in mid-October for the DXers in the states having shorelines on Lake Michigan. We had a white Thanksgiving here with three inches of snow, three days after 67°, when a cold front came roaring through, raising holy hell almighty, gusting to 74 MPH, kicking out our Indian Summer weather. Last May, I hiked to Richmond, VA from DC via US 1, 115 miles in three days, returning by Greyhound the following day and right after Labor Day I trekked to Gettysburg, PA, 77 miles in two days, again returning by bus. Now that it is cold here, I'll be dial-flicking, especially on SSS, instead of pavement-pounding. Most of the people in WADXA are SWLers, as is most of the DX community as a whole. Enough for now. LXXIII

MIKE HARDESTER, HQOO, HQEN - BAS, 3rd MAR(DIV) - MMF, P.O. San Francisco 96302-8602  
Greetings! It's been some time since I last sent in a Muehr, but I thought I would respond to "the other side" as noted in the front page of the 27 November DX News. I've been DXing since 1968, and except for a couple of DX tests, I can recall only twice when I've helped a radio station. Once was a shortwave station (HXK) which was a "bit" off frequency, and the other was probably in the 1968-1970 time frame. I was living in the Central Valley of California (Modesto-home town) when, on my car radio, I noted that (then) KYOS-1480 in Merced was having trouble with its signal: it was sporadically going off and on, but only for a couple of seconds at a time. When I got home, I checked it on the Hammarlund, and noted the same thing. Those were the years when a DXer could afford a copy of the BROADCASTING YEARBOOK, so I looked up the number for KYOS and gave them a call. It took a bit of talking, but I finally got the CE on the line. At first he was skeptical, but he said he'd check and would I mind giving him my home phone number. A couple of hours later, he returned my call and confirmed my observation and tried to explain the problem, which, as I recall, made not a bit of sense to me. On MMs when DX tests were the rule rather than the exception, I would occasionally call a station and tell them how they were being received. On a couple of occasions, stations have increased/decreased their power and whatever else and asked how the reception was. It was in this manner that I was able to log/QSL Arkansas (Berryville...I've forgotten the call/frequency). A tentative call to the station during a scheduled FC had the CE play around with various tones which I identified while listening to the radio/talking on the phone. The result was a v/1, and a phone bill my parents were puzzled about, hi! (I wonder if Uncle Sam is still puzzled about those Autovon bills I generated for him during my stint in Germany from 81-84 -ajm) Anyway, that's all I can offer on the topic. Hope y'all had a Happy Holiday Season, and will have a Happy New Year of DX! Very 73 de Mike.

JIM ROLLINS, 5582 Ascot Ct., Apt. 121, Alexandria, VA 22311  
While doing some FM DXing at Gambrills State Park near Frederick, MD, on Labor Day, a man happened to notice that I was listening to Pittsburgh on 92.9 MHz, about 200 miles away (and when it faded, Suffolk, VA, about 250 miles away, was coming in), and started a conversation with me. Like the good DX'er that I am (hi!), I did not take down his name but recall that it was Pat Mason. He said that he had been a member of the NRC when he was living around Champaign-Urbana, IL. Two members names that he recalled were Ernie Cooper and Ray Arruda.

CHRIS CUOMO, 670 Third Avenue, Verona PA 15147-1349 (412)-828-6376 no collect calls  
Greetings everyone. One interesting DX catch that came here is of NR03-972 kHz-Hamburg (tentative) West Germany. More on this one when I get the tape I made of it positively IDed. (Chris, I speak fluent German, and would be glad to ID it for you if need be, ajm). I'm glad to hear that the NRC DXCon will be in Pittsburgh in 1990. John Malicky and I met recently to discuss plans for the convention. We hope you'll be there. Can anyone out there help with these stations? While checking addresses, I found the following entry in the latest Toronto Yellow Pages: CHIR Radio (G. Agathos), The Greek Peoples' Radio, 270 Donlands, 461-4244. Neither the NRC AM log, FM Atlas or Broadcasting Yearbook have this one listed. Does anyone know the frequency and power of this one? Montreal's Yellow Pages listed a station with the call CIRL as operating on 650 kHz. CIRL is listed in the NRC's FM address book Vol. 3, but not in the FM Atlas or Broadcasting Yearbook. Has it moved to AM? To further foul up the situation, CKO-1460 was supposed to change frequency to 650 before it went silent. Does this mean CIRL will stay on 650, if, of course, it is still on the air? Also, does anyone have the addresses of CKCS-Oka, PQ; CFEI-St. Hyacinthe, PQ, and CIRV-Toronto ON. One other mystery station was listed in the phone book for Salisbury, MD. WSSC was listed as operated at Salisbury State University. Salisbury State U. does have one radio station, WSCU-89.5. Does it have another? The WSSC call is already held by 1340 kHz-Sumter, SC, incidently (Chris, I suspect that some of these may be carrier-current or cable stations-ajm). I am still trying to get airchecks of high school, American Indian, and pirate radio stations. I'll return your tape and reimburse you for postage within one week. Til next time, Happy Holidays, and 73.



RICK DAU, RR2 Box 64, Oakland, LA 51560 (712)-483-2230  
Greetings again to all NRCers. This DXer had the pleasure of visiting NRCer Roger Winsor in Hobart, Indiana, during November 17-20. Despite late afternoon freezing rain and slick roads in the Chicago, NW Indiana area (on I-80 near Joliet, I got caught in a massive traffic jam caused by a jackknifed semi, turning a 40 mile drive into a 90 minute crawl), I made it to the Einsor's around 2015 Friday evening, where I was treated to a nice pizza, while I treated Roger to my QSLs and logbook. Saturday morning, I drove down I-65 to West Lafayette, where I met IRCA member Tom Laskowski of South Bend to attend the Iowa-Purdue game (Tom is a Purdue grad.). After the game, which Iowa won,

24-0 (yay!) as we shivered through a 4 above wind chill, Tom and I DX'ed a little on his car radio, then I took off back to Hobart, enjoying a scenic sunset drive up US 231. Sunday afternoon, Roger drove me around and pointed out transmitter sites and stations where he's worked (WNWT-1080, WAKE-1500 and WNDZ-750). That evening, we discovered a great opening to the south, which yielded a new station for Roger, and also brought in WHYD-1270 (local pest WCCA was off), WGST-640 and WSJC-810. Monday morning, I departed, heading east first for some station tours. First up was WHFF-1060 in Benton Harbor, MI, at which I arrived ½ hour late because I was given directions to get to WSJM-1400 instead! PD Leo Isaac showed me the station's FM (EZL and 100% automated) and then the AM (C&W hours from Philadelphia SR to local SS) operations and then it was down US 31 to South Bend, where I met GM Debbie Mueller for a tour of WAMJ-1580 (all talk, hours from 0500-1100, and whose 3-tower array in Mishawaka protects CBJ and nobody else). Finally, westward on US 20 to Michigan City and a look-see at WIMS-1420, home of one of DXing's most interesting QSL cards! According to GM Ron Miller (who also does a midday talk segment), the CLs stand for "Wonderful Indiana's Michigan Shores," but could just as well say "We're Indiana's Music Station." Their 6-tower N-S lineup is easily visible for miles. Finally, I was homeward bound. Overall, a very fun weekend. November highlights from one year ago: auroral cx on the 7th wiped out KSTIP-1500 and brought in three stations from AR, LA and OK on that channel. In the short time I've been QSLing, I've sent out 125 reports and have received 75 veries, for an even response of 60%. That's all for now. Merry Xmas, Happy New Decade, 73 and so long from The Farm.

WAYNE HEINEN, 4131 S. Andes Way, Aurora, CO 80013-3831 (303)-699-6335  
Paul's suggestion of Muses on how DXers can help stations was rather timely for me because of a recent contact with KAKS-1550 Canyon TX. Jeff Tynan first noted the problem during an SSS DX Session on 11/9/89. Very distorted audio on 1565 and 1535. After some monitoring and taping both of us agreed it was KAKS. Since I was off the next day, I called KAKS and spoke with General Manager Greg Heitzmann and alerted him to the problem. I told him I'd drop him a tape and he said he'd get an engineer on the problem. About a week later, I received a verification letter that read in part "Thank you very much for your phone call, letter and tape of Classic Kiss 1550. We are currently in the process of fixing that problem. Your information is greatly appreciated." The last line: "Thanks for your help." Currently, I'm in contact with Pearl O'Reilly of KFRR-1150, Englewood. Basically the same problem. Very serious sideband splash and spurs at 1166 and 1134. I'm continuing my monitoring and have been assured that all the reports for both KJIM and KFRR calls will be answered, but currently, they're rather busy with the problem at hand. When the problem is cleared up, I think they'll return the favor. My first encounter with real station/DXer relations was in 1984. KGYN-1210 in Guymon, OK had blown the STL 22kHz filter. I had a PPC from them from years back, signed by GM T.M. Raburn. I wrote a nice letter to him outlining my recent receptions 22kHz above and below 1210. In return I received a nice long letter. It started off "First let me say thank you very much for calling my attention to the improper radiation we were emitting." It went on to explain why they hadn't noticed the problem and what they did to correct it. The last line was "Again, my sincere appreciation for your notification." "As I noted above, we probably would not have caught it until the FCC did." Shortly after this encounter, I started to get v/s info of form letter veries signed by Mr. Raburn. Prior to this, only PPC veries had been received from KGYN! (Mikee ran a copy of my KGYN letter back in a 1985 issue of DX News.) This only goes to show "What goes around, comes around!" 'Nuff said. 73.

## RADIO WWWE

DIETE KEMP - KZLZ, P.O. Box 73, Bethel, CT 06801  
Greetings all...Jack O'Rourke has rejoined KYW, in Philadelphia, as a sports anchor.... recent international happenings in Europe have certainly pointed out how quickly lives can change and how we all still depend on radio to provide us with some degree of "instant" awareness, and hopefully insight, into still unfolding events which affect our world. While TV has come a long way with providing us with the visual component to these situations, it is still RADIO that does the trick time after time....I received a nice letter, via amateur radio, from fellow NRCer Al Resnick (K3PXR), packet/NRC ham ops may reach him via NIDCS BBS in CT. Although he resides here in Connecticut, he has just returned from the city of San Francisco, where he has been since the day after the earthquake hit. In his note he recounts the extraordinary efforts of KGO-AM's Chief Engineer Bruce Schirmer, with associates Grey O'Dell and Herm Stahlberg, getting the stations mighty 50kW back on the air with creativity, hard work and that don't give up spirit that seems to run through communications engineering staffs everywhere, when emergencies pop up. I have taken the liberty of forwarding Al's complete letter to our esteemed editor for possible editing and inclusion in a future edition of the DX News... Fragments of the famed Berlin Wall are turning up in the United States. A few stations are running contests, offering listeners a "Piece of the Wall," a bit of history. I guess Capitalism will win out in more ways than one...So much for now...Season's greetings to all.

ANDY RUGG, 669 de Gaspe, Apt. 218, Nuns' Island (Q) NEW J11  
There were some bright spots in DXing in November. A few hours before I typed this Muser, a 'phone call from Ray Arruda answered my recent query in DX NEWS and assured me that I had heard WYST-1010 at the tail end of their 'test'. A tentative report was sent out. My other new log was WSRO-1470 at sunset in the wake of the silence of CKO 1470. Their predecessor station, CFOX-1470, was a good friend of DXers after coming on the air in 1959. They put on successful DX tests in 1961 and 1963, and provided a station tour for the NRC's convention in 1966 in Montreal. The only new verie is WSRO which took 7 days. Like Ernie Cooper, I haven't succeeded in logging WWRW 1430. The old WWRW and WNYM calls were easy catches on 1330, but recently it's been entirely WOLW, WBYZ and WSPQ, with occasional bursts from CKLD. Circumstances prevented me from attending the "Tower Deck" GTG on 11/25. For the record, some old NRC memorabilia were distributed to me by the Estate of the late Tom Farnoric. In my possession, I now have original copies of DX NEWS from Volume 1:No. 18 (12/33) through Volume 2:No. 35 (4/35). Except for a few missing issues in 1946, I now have a complete run of DX NEWS beginning with Volume 10 of 1942-1943. Should anyone out there ever be willing to part with issues between 1935 and 1942, I could give them a good home. The masters for the 50th Anniversary Issue Book are also in my custody. CU again in the 1990's! 73.

And there I've got to end this edition of Musings of the Members. Unfortunately, I've got quite a backlog of Musings (which, by the way, is good! It shows your support!) and if your Muse disn't make it in this time, it will most definitely be in the next edition. The new year has brought a very nice card, letter and pennant from XEW, La Voz de la America Latina, in just 23 days for a SS report, picture and us \$1. They must have been in the Christmas spirit, as I've been trying to get this one to respond for over five years now! It's about time things went right! 1989 was a bummer. While doing the installation for Video Jukebox in Indianapolis, I hit the Pothole from Hell with my rental car. It exploded the tire and bent the rim! So we used the cheap jack that was provided to jack up the car and put on the "50 mile doughnut." Then the jack nut snapped off because it was so cold. And to top things off, the universal genius that was with me puts the hubcap back on the doughnut, only to have it fall off at the next pothole, bounce off the hood of the car behind us and then get run over by a semi! I don't think Dollar will ever rent to me again. The installation, by the way, was at the FM site of AM station WXYZ-1430 5/1 kW. Their Chief Engineer, Kim Hurst, and their Chief Operator, Kevin Van Wyk, are always happy to receive reception reports from DXers. You can send them to: 4560 Knollton Road, Indianapolis, IN 46208. Tell 'em Al sent ya! See ya next week! 73s.

# The Challenging Crystal Set

By Ray Cole

A National Radio Club Publication

Only \$3.00

Order Your Book Today!

You can even use your Visa/Mastercard!  
Phone (608) 423-4159

7PM-11PM Eastern Local Time

OR

Send your Check/Money Order to:

NRC Publication Center  
P.O.Box 164, Mannsville, NY 13661

Overseas customers please write

Please send me \_\_\_\_\_ copies. Total= \$ \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Yearly Subscription (30 Issues) to DX News: U. S. Address: New Subscriber - US\$24.00. Renewals - US\$22.00. Canadian Address: New Subscriber - US\$25.00. Renewals - US\$23.00. Mexican and Caribbean Addresses: New Subscriber - US\$29.00. Renewals - US\$27.00 All Other Countries: New Subscriber - US\$36.00. Renewals - US \$34.00  
Checks or money orders should be made out to: National Radio Club