



# DX NEWS

*the magazine of the  
National Radio Club*

— SINCE 1933 —

Volume 46, Number 15      Monday, February 5, 1979

## STATIC FROM HQ

As you will undoubtedly notice, there is a lack of poetry in this issue of DX News. As sad as this seems, the Publishing Committee was forced to again consider this issue after three would-be poets sent in contributions. Not that we are all nasty or hard, but we have received numerous complaints about the space which poetry has taken up in recent issues of the DX News. In addition, there is a cost factor--in short, we all pay for space which is taken up by poetry and other non-DX related items. For this reason, effective with this issue, DX News will no longer print poetry, rhymes, etc. We do, of course hope that those members involved will be understanding, but this action is in compliance with the will of the majority of those who have written or called us in Louisville. On a happier note...look for our new page numbers inside this issue--we hope they will be easier to read and all that...also look carefully inside for an editorial and some additional comment on the issue of the clear channels and write the FCC with your opinion on this important matter!

LPC

## CPC TESTS

Times are Eastern Local Time.

- February 5    WDBQ-1490 Dubuque, Iowa. RESCHEDULED - See February 19.
- February 5    WILI-1400 Willimantic, Conn. 0100-0200 with 1 Kw. Will use tones, music and lots of IDs. Reports to Paul F. Moraghan, CE, Prepaid calls accepted at (203) 423-1621. WILI Radio, 948 Main Street, Willimantic, Conn. 06226. Arranged: Bryan Lee.
- February 5    WJWL-900 Georgetown, Del. 0100-0200, maybe as late as 0230. This is a Proof of performance and will include IDs, tones and recorded music. Reports to: Stephen Wallace, CE, WJWL, Box 111, Georgetown, Del. 19947. Return postage required! Only reports with correct, accurate data will be verified. Arr: Dabelstein.
- February 5    KKIO-1290 Santa Barbara, Calif. 0300-0400. Rescheduled from 1/8, this will include many IDs, tones and Herb Alpert music. Reports to Guy Erway, KKIO Radio, 1919 State St., Santa Barbara, Calif. 93101. Arranged: Santulli.
- February 12    WJTH-900 Calhoun, Ga. 0200-0300, but check for possible switch to 0100-0200. No details. Reports to John Cunningham, WJTH, Box 381, Calhoun, Ga. 30701. Arranged: Skip Dabelstein.
- February 12    KQNK-1530 Norton, Kansas 0110-???? 1 Kw Non-Directional. Test will be run in conjunction with their regular check. Will last at least 1/2 hr. after the r/c. Test tones with plenty of voice IDs. Prepaid calls to (913) 877-3378. Reports to Bruce Stucky, CE, KQNK Radio, Box 220, Norton, Kansas 67654. Arr: Rob Keeney for IRCA.

TEST LISTING CONTINUED ON PAGE 18

## LOOK INSIDE

Clear Channels--Our Opinion.....	2
Domestic DX Digest.....	3
Contests.....	9
International DX Digest.....	11
Notes from HQ, They Joined, Etc.....	18, 28
Supermodulation and Effects on DXing.....	19
Sign Off City Guide - February.....	21
Clear Channels--Other Opinions.....	25, 40, 43
Radio West Loop vs. The SM-2.....	27
Musings of the Members.....	29
Verie Signers.....	42

② **CLEAR CHANNELS: OUR OPINION**

It's rare that we take the stand here for an editorial, but we have been asked what we think about the proposed change in the clear channels..it would not be fair to say that we all have the same exact opinion here at headquarters, so what we have to say is something of a compromise and a total opinion.

On the outside, it would be fair to say that we are not in agreement with what the FCC has proposed. There are a number of logical reasons for this, including the fact that the clear channels do offer for DXers and non-DXers as well, programs that most local areas do not have. Who can ignore the fact that talk shows from WBZ, news from WCBS, concert music from WQXR and the Grand Old Opry from WSM are part of our radio heritage?

There are few areas outside the large cities that can afford to open a radio station just doing one format that is special--the need for these formats has been overlooked by the FCC in their proposal, which is just based on the need for more stations. There has been little or no consideration given to the fact that these 24 hour clears are listened to by people in areas where they have unique formats--afterall, how many stations in Lincoln, Illinois play the concerts of a WQXR and how many in the area of Great Falls offer the Grand Old Opry?

As you will note from the comments from several members to the FCC (these appear elsewhere in this issue) there are a number of valid reasons that clears are also beneficial. But we must point out at least two other reasons here.

One is that the clears are in part responsible for adding to the ranks of DX club members and those interested in the hobby. Who out there did not first come up with an interest in hearing distant stations when they pulled in a WBZ, a WMAQ or a KNBR? These stations were not really hard catches but they were all it took in most cases to get us all looking to hear other things from the far-away cities--it was this interest in most cases that led us to NRC, IRCA and other DX-related groups.

If there are no clears, and the dials are virtually crammed with local stations, what will become of the next generation of youngsters when they try to see what they can hear on a \$9.95 portable?

Also important is the fact that the clears are usually uniquely cooperative to the DX community. I know of no major station that will not reply to a QSL report and I know of few that are not willing to show a DXer around when they visit--just stop in at WLW for a case in point and see how eager they are to show off their facilities, and answer questions!

This is not to say that this good will will be lost if the clear channels are abolished to become local services, but we must face facts--and these facts are that the clears have been good to us over the years--in not only sending veries, but in occasionally taking a few minutes off so we could hear a DX test on their frequency, showing club members through their facilities, providing information, etc.

Lastly we must face facts--the facts that the FCC contention that breaking up of the clears will provide radio service to places which presently have none. We all know that there is no place in which you cannot hear radio at night now. We also know the so-called white areas do not exist, but we also must remember that what you hear in these far-flung areas is not the 1,000 watter in the next county, but the clears from Louisville, Chicago, Boston and New Orleans. To eliminate these clears would effectively eliminate this service; the FCC seems so concerned all of a sudden--they should just be realistic and see what does come in and also they should see that low power locals, or FM stations just are not the answers.

In closing, we at headquarters wish to encourage you to respond with your opinions of this action. Write to the FCC with your opinions--send your comments to the commissioners and tell them how you feel about this pending action--if we lose the clears, we'll lose a lot more than just a few sports events and concerts!

*Ed Hein*

Other opinions appear on pages 25, 40 and 43.

DOMESTIC  
DX DIGEST

RAY ARRUDA  
47 BURT STREET  
ACUSHNET, MASS. 02743  
(617) 998-3958

Support for this section has been fantastic the last three weeks. Many new people have taken the time to send in your latest DX along with our regulars, and for this, I thank you!

DX TESTS

WXAP - Not heard by JDB, JWB, PRM, RM  
WJOB - Not heard by JWB, RM, PRM  
KKIO - Not heard by JWB, RM, PRM



NEW YORK'S ALL-HISPANIC RADIO STATION  
655 Madison Ave - New York, N.Y. 10021

FREQUENCY CHECKS

1st Tue. WVAM-1430 loud w/TT/ID 0103-0110 (BPS)  
2nd Sun. WLOK-910 w/TT 0528 (JDB)  
WFLW-1360 w/TT 0446, ID 0448 (JDB) w/TT 0449-0503 (PRM)  
WTOO-1450 w/TT 0440-0442 (PRM)  
2nd Wed. WATM-1590 w/military band mx, many IDs, 0215-0230. (NZ)  
2nd Fri. WHBG-1360 w/TT, ID (BPS)  
3rd Mon. WHHO-1320 xint w/TT/ID 0048 (JDB)  
KMUS-1380 w/TT per list (JS)  
WCON-1450 w/TT 0040 (JDB)  
WBTS-1480 Bluegrass mx, many IDs, 0250-0300, not on new  
f/c list. (NZ)  
WOKZ-1570 w/TT, beep tones 0630-0640 (PRM)  
3rd Tue. WRAA-1330 w/TT (JDB)  
WREL-1450 w/TT ID @ 0104 (JDB)

SPECIAL

1020 KDKA PA PITTSBURGH - is now NSP w/longtime friend Joe Gearing doing MM Tele-talk. (JS)  
1080 WQRO PA HUNTINGDON - 1/9 1100 noted w/Pop mx & spots. (JWB)  
1150 WTAW TX BRYAN - noted MM 1/8 w/their new nighttime authority, C&W mx. (NZ)  
WHUE MA BOSTON - 1/6 1742 EX-WAOQ w/EZL/BFL mx format, poor. (BL)  
1290 WJBR DE WILMINGTON - EX-WTUX now BFL mx as of 12/78, "Just BFL Radio 13." (AWL)  
1340 WYOB DC WASHINGTON - 1/13 1025 noted off the air, back by noon. (WPT)  
WOYL PA OIL CITY - is now AN w/EZL mx, believe still off MMs, EX-WKRZ. (JS)  
1430 WWWQ FL PANAMA CITY - EX-WPCF, 1/10 1750 fair w/C&W mx, 3WQ ID @ 1750. (WPT)  
WXKS MA MEDFORD - EX-WWEL 1st noted 1/17 running commercial-free Disco, IDs twice an hour, "Boston's Disco Station, WXKS-WXKS-FM Medford-Boston." (RA)

SUNSET CITY

540 WGTO FL CYPRESS GARDENS - 1/19 1745-1800 good w/WGTO Radio 54 IDs, C&W mx, area ments, & local spots, gone after 1800 so either power drop or s/off. (WW) 1/13 good @ 1713 w/C&W/ID, then phone # 324-5454 for LP Contest. (MO)  
WDAK GA COLUMBUS - 1/13 1801 poor/fair o/Latin Amer. QRM, "Le Freak" by Chic, ID, more mx. (MC)  
550 WHLM PA BLOOMSBURG - 1/2 1900 poor w/local nx & wx. (AWL)  
570 WSYR NY SYRACUSE - 1/12 2224 good signal o/WMCA & WTAG splatter. (SM)  
620 CFCL ON TIMMINS - 1/10 2115 fair/good in FF w/hockey, Montreal vs. Pittsburgh. (MS)  
630 WLAP KY LEXINGTON - 12/23 1710-1714 RS, noticeably louder than usual, w/spots, no verie after 2 weeks. (BPS)  
680 CKGB ON TIMMINS - 1/10 2128 good w/Rock, SID @ 2130 followed by "The World Tomorrow." No sign of usual CJOB. (MS)  
KKYX TX SAN ANTONIO - 1/11 1820 very good thru WMAQ slop w/C&W, ID, big surprise, thought WCAW in WV. (JC)

690 WAPE FL JACKSONVILLE - 1/13 1722 fair mixing w/CBF/Cuba, Soul mx, then ID. (MG)

730 WPIK VA ALEXANDRIA - 12/30 1616 fair w/long ID, C&W mx. (BL)

740 WMBG VA WILLIAMSBURG - 12/30 1621 T40 mx, jx ID, traffic report, good u/WGSM. (BL)

760 WCPS NC TARBORO - 12/30 1629 T40/MoR mx, fair w/"Now, WCPS Local Nx." (BL)

790 WNWS FL SOUTH MIAMI - 1/15 1733 nx w/ments of Dade County, fair/good o/WTAR, EX-WFUN. (WPT)

800 WOHA PA CHAMBERSBURG - 1/9 1700 w/UIP Nx followed by local spot.(AWL)

WJAT GA SWAINSBORO - 1/13 in very weak @ 1745, IDed thru FM call 98.3, as was only thing heard, au cx. (JK)

850 WJW OH CLEVELAND - 1/16 1630 local nx heard 50 mins. before LSS, fair u/WAYE spray. (WPT)

860 KOSE AR OSOBIOLA - 1/11 s/off @ 1815, fair o/mess, strong KLCN-910 AR tipped me to try for this, much wanted. (JC)

KONO TX SAN ANTONIO - 1/11 1825 fair w/Sports, PSA, spot, ID & News 1826, 2nd new San Antonio stn in 5 mins. (JC)

WXAP GA ATLANTA - 1/13 1740 TC, temp. & Atlanta ments. (JDB)

WLBG SC LAURENS - 1/13 1745 noted s/off by male w/deep voice. (JDB)

WHRT AL HARTSELLE - 1/13 1749 real surprise, heard ID & TC on tape playback. (JDB)

940 WMAZ GA MACON - 12/23 1729-1730 RS S-9 w/clear ID, no sign of usual CBM, no QRM. (BPS)

KADO TX TEXARKANA - 1/12 s/off @ 1830 w/ID, ments. of 2500W, fair, alone on frequency. (JC)

950 WBKH MS HATTIESBURG - 1/10 fair thru mess w/ID, ments. of ownership & 5KW power. (JC) Time? (RA)

960 KGKL TX SAN ANGELO - 1/10 1804 fair o/mess w/wx, spots, ID. (JC)

WERC AL BIRMINGHAM - 1/12 1735 in & out w/spots, jx ID, wx. (ERS)

WJCM FL SEBRING - 1/12 1745 poor in slop w/s/off. (ERS)

970 WWIT NC CANTON - 1/16 1745 s/off after "Closing Thoughts" fair/good o/WWSW, Religious format. (WPT)

990 WVSC PA SOMERSET - 12/15 1643 jx ID, then s/off annmt. (BL)

1010 WGUN GA ATLANTA-DECATUR - 1/1 1745 s/off good/poor w/less WCFL slop than normal. (BPS)

1030 WBZ MA BOSTON - 1/13 1746 experiencing technical difficulties; carrier occasionally dropped out, audio low & distorted & RF level was low, SAH from Latin Americans very evident, also badly QRM'd by Haiti-1035. (MO)

1070 WHYZ SC GREENVILLE - 1/14 just a whisper of audio, jx ID. (JDB) Time? (RA)

WAPI AL BIRMINGHAM - 1/16 1734 "WAPI Nx" w/ments. of Montgomery fair signal. (WPT)

1080 WVOG FL CORAL GABLES - 1/16 1732 Miami area nx by male anncr, fair/good o/WTIC. (WPT)

KYMN MN NORTHFIELD - 1/1 1757 fair/good in RS w/ID o/WTIC. (BPS)

1110 WTBQ NY WARWICK - 1/15 1656 s/off atop WBT w/ISSB, not enuff for rpt. (RA)

1140 WCJW NY WARSAW - 12/15 1636 nx by YL anncr, TC, very good signal o/WRVA. (BL)

1190 WAVS FL FT. LAUDERDALE - 1/15 1745 "Another Day Of Christian Broadcasting" by OM, good at s/off w/Folk Hymn "Hallelujah." (WPT) 1/14 noted after WIXE s/off 1742-1744 w/mx/spots/s/off, no SSB noted. (RA)

WIXE NC MONROE - 1/14 1729-1731 just did catch s/off on tape w/end of C&W mx, then abrupt s/off w/short ID, nothing else. (RA)

1220 WREV NC REIDSVILLE - 1/7 poor @ 1729 s/off, xint au cx. (JK)

1260 CIHI NB FREDERICTON - 1/15 rolling o/WEZE all evening, format is T40. (MC)

1290 KTRN TX WICHITA FALLS - 1/8 good @ 1822 w/local nx. (JR)

1300 WKXI MS JACKSON - 1/16 1831 great w/new calls & Rock mx. (RK)

1320 WKIN TN KINGSPORT - 1/13 xint @ peaks 1717 on RS, local wx, T40 mx, rare. (JK)

1330 WEBO NY OHEGO - 12/21 1614 very good w/area ments. alone. (BL)

1340 CFLH ON HEARST - 1/10 2103 good & surprisingly clear in FF w/Montreal Canadiens Hockey, actually stronger than CFOL-620, only 2nd time heard, last time was in 1975. (MS)

1350 KTLQ OK TAHLEQUAH - 1/1 1828 s/off fair o/usual mess. (BPS)

WSMB LA NEW ORLEANS - 1/11 1816 fair w/wx rpt, time. (WPT)

1360 WLCC SC LANCASTER - 1/10 1745 s/off by male anncr, fair sig. w/ment. of WPAJ-FM 107.1. (WPT)

KSCJ IA SIOUX CITY - 12/7 2350-0000 RS, S-8 good signal w/little QRM. (BPS)

1370 WMGO MS CANTON - 12/31 1745 RS, fair/good w/ID o/WSPD. (BPS)

WTAB NC TAVOR CITY - 1/16 1730 s/off noted in WFEA null. (ERS)

WLOP GA JESUP - 1/6 fair in au cx. @ 1744 s/off, 105.5 FM plug. (JK)

WALK NY PATCHOGUE - 1/9 1644 s/off w/EZL mx before s/off, fair o/WFEA. (BL)

1380 WSYB VT RUTLAND - 1/12 1837 new stn. fair to xint. (SM)

WTVR VA RICHMOND - 1/7 a surprise @ 1814 w/MoR, ID, o/WYNK. (JR)

1390 KHOB NM HOBBS - 1/15 1901 in just long enuff for ID, good signal, state #37 and relatively easy catch for NM. (RK)

WGSC SC CHARLESTON - 1/6 1755 o/WPLM groundwave w/song, ID. (MO)

1420 WEMB TN ERWIN - 1/11 1745 fair/poor @ s/off w/ments of WXIS-FM 103.9 which helped me clinch this logging. (WPT)

WKSR TN PULASKI - 1/11 1810 T40 mx & ments. of Giles County, good signal for 1KW. (WPT)

1430 KELI OK TULSA - 1/10 good w/Rock/ID @ 1826 o/WIRE/WIL. (JC)

1440 KETX TX LIVINGSTON - 1/3 like a local 1841-1944 w/C&W mx, then s/off by anncr w/deep drawl. (JR)

WBLA NC ELIZABETHTOWN - 1/15 very good @ 1730 s/off. (JK)

1470 WRGA GA ROME - 12/31 1727 RS, fair/good w/ID in WMBD null. (BPS)

1480 WUEZ VA SALEM - 1/4 1731 in strong briefly @ s/off. (JWB)

1500 UNID -- ---- - 1/9 1830 s/off w/5KW ments. & Vaughn Broadcasting Corp. 513 East....then faded. ID sounded like KXBQ w/possible ment. of OK, KOKN w/new calls? (JC)

1510 KANS KS LARNED - 1/9 1828 fair u/WLAC w/wx/ID, spots. (JC)

1520 KMAV ND MAYVILLE - 1/1 1757 RS, good o/KMFL w/ID. (BPS)

WDGL GA DOUGLASVILLE - 1/11 in good @ 1800 s/off, no WKBW. (JK)

WRSI KY STANFORD - 1/12 poor @ 1745 s/off, FM plug 95.9. (JK)

1530 KQNK KS NORTON - 1/10 good @ 1845 s/off w/"KQ Radio" slogan, legal ID. (JC)

KCLR TX RALLS - 1/10 1830 s/off w/ID, good o/WCKY. (JC)

WJFP TN HUNTINGDON - 1/11 in good @ 1801 w/s/off, in au cx. (JK)

WENG FL ENGLEWOOD - 1/15 good @ 1800 s/off. (ERS)

WTHM MI LAPEER - 1/12 1645 heard right after WJDM s/off w/spots, wx, & ID. (ERS) 1/16 1723-1730 strong w/local spots, "15 THM" SIDs, area ments. & mx, 1730 s/off w/no SSB, no sign of WCKY yet. (RA)

1540 KBXM MO KENNETT - 1/14 tentatively the one here w/C&W mx, ID sounded like KXEM, s/off 1815 w/K\_M in call. (JC)

UNID -- ---- - 12/3 1727-1730 RS then good @ 1730 s/off w/plug for 106 FM, NW/SE from Chicago, sounded like WCMR, who could this be? (BPS)

WOOZ NC WHITEVILLE - 1/11 1730 s/off noted fair in progress. (ERS)

WANL AL LINEVILLE - 1/13 1759 good w/s/off in WPTR null. (ERS) 1/13 poor 1800 w/tail end of s/off annmt, luckily ERS was listening a few secs. before at his location & IDed it, what luck! (JK)

WRSM AL SUMITON - 12/30 1744 readable @ s/off. (JWB) 1/6 in fair @ 1801 s/off in WPTR null, new station positively heard. (JK) 1/13 1800 xint @ s/off right after WANL, WPTR nulled. (ERS)

WBIN TN BENTON - 1/8 1745 s/off amid QRM, w/full "official" data, maybe SSB, (someone had SSB then). (JWB) (BPS)

1550 WORL TN OAK RIDGE - 12/30 1744 xint @ s/off in CBE null, no QRM.

KUAT AZ TUCSON - 1/1 1915 s/off fair/good o/CBE. (BPS)

WTHB GA AUGUSTA - 1/10 in fair @ 1730 s/off. (JK)

WYNA NC RALEIGH - 1/9 fair @ 1730 s/off "Our programming is geared to what our listeners want to hear." (JK) 1/15 1730 fair w/local spots & wx. (ERS)

WYOU FL TAMPA - 1/7 in poor @ 1800 finally heard w/s/off in au cx. (JK) 1/10 1750 w/SS talk, then 1759 s/off in EE. (ERS)

WRHO FL CORAL GABLES - 12/22 1730 good w/instrumental mx, "Shaft" then SS talk, Xmas mx, s/off in EE. (MC) 1/5 1730-1745 heard poorly w/SS talk. (JWB)

KOKA LA SHREVEPORT - 1/9 1823 SID, Rock, strong o/WOKJ. (JC)

KHBJ TX CANYON - 11/29 1824-1830 RS, poor in mess w/spots/ID then gone, v/1 in 1 1/2 weeks. (BPS)

WBSC SC BENNETTSVILLE - 1/9 1805 w/SID, poor in au cx. (AWL) (WPT)

WOKJ MS JACKSON - 1/14 1815-1820 spot for Disco, Soul mx, wx, xint.

1560 WAGL SC LANCASTER - 1/17 1730 in WQXR null w/USAF spot, ID, Ae Nx. (ERS) Also noted by (JK) who tipped ERS. (JK)  
 KDDA AR DUMAS - 1/14 fair @ 1815 s/off. (JC)  
 1570 WKYR KY BURKESVILLE - 1/9 ID noted @ 1758. (JDB)  
 WLSC SC LORIS - 1/11 in fair @ 1729 w/s/off, promo, jx ID. (JK)  
 WTWB FL AUBURNDALE - 1/9 1800 alone @ s/off w/religious Gospel Mx, no SSB. (AWL)  
 WTOW MD TOWSON - 12/30 1649 Religious mx, spots, IDs o/CKLM, good signal. (BL) 1/10 1700 to good peaks w/religion, then s/off, easy w/aurora - weakened CKLM looped. (MO)  
 1580 KNIX AZ TEMPE - 1/1 1901 xlt @ s/off o/CBJ/WCLS. (BPS)  
 WVKO OH COLUMBUS - 1/6 1805 tentatively the one here, partial IDs heard 3 times sounding like WVKO, fair. (BL)  
 WLIJ TN SHELBYVILLE - 1/16 1747-1753 weak w/spots, area ments. C&W mx, w/OBJ just starting to take over. (RA)  
 1590 WMSO TN COLLIERVILLE - 1/14 s/off w/ment. of Christian programming @ 1830 fair o/mess. (JC)  
 WYIG MS JACKSON - 12/31 1734 RS, fair/good o/WAKR w/ID. (BPS)  
 1600 KEWS TX CUERO - 1/3 w/TSN Nx then 1900 s/off, weak. (JR)  
 KOGT TX ORANGE - 1/3 u/KATZ @ 1902 weak w/local nx. (JR)  
 WDNV NY DANSVILLE - 12/21 1645 traces of s/off noted, but not enuff to log. (JWB)

Brian Sherwood notes that first few SSS sessions in January (1/1) were very good with opening all the way to Arizona.

Bill Townshend notes that recently he has had a "pipeline" at LSS to Florida with many good receptions from that state.

WHEN MOST PEOPLE ARE SLEEPING

540 CBK SA WATROUS - 1/14 0000 CBC ID heard in EE u/CBEF. (JDB)  
 WARO PA CANONSBURG - 1/13 fair, alone @ 0749 s/on. (PRM)  
 550 KFYR ND BISMARCK - 1/14 0015 w/Pop mx, taking phone requests. (JDB)  
 560 WIS SC COLUMBIA - 1/14 0023 atop frequency w/wx & TC. (JDB)  
 WHEBQ TN MEMPHIS - 1/14 good signal w/Rock @ 0046. (JDB)  
 570 WAAX AL GADSDEN - 1/14 in good w/"Elvis Story" 0100, WKBN off. (JDB)  
 UNID -- ----- 1/14 0105 CBC horns & VID by woman in FF. (JDB)  
 WVMI MS BILOXI - 1/3 0300 xlt w/C&W mx, ID. (JR)  
 WMCA NY NEW YORK - 1/1 0301 RS, good in WIND null w/ID, WIND sloop kills 570 for me. (BPS)  
 590 WCW NE OMAHA - 1/14 only station noted here 0139. (JDB)  
 610 WIOD FL MIAMI - 12/31 0106 noted in passing w/no sign of WDAF, carrying Bullets BKB, of all things! (BPS)  
 630 KHOW CO DENVER - 1/1 0445 good in RS w/ID o/WLAP/Cuban, CO #4. (BPS)  
 640 KFI CA LOS ANGELES - 1/14 fair 0145 in Cuban null w/Rock, sports, ID, into Stevie Wonder tune. (PRM) 1/14 0218 strongest heard yet w/no sign of Cuban. (JDB)  
 680 WINR NY BINGHAMTON - 1/14 good 0158 w/ID, prayer, then short s/off saying they'll be back soon, ID, then gone leaving 2 or 3 UNIDS. (PRM)  
 690 CBU BC VANCOUVER - 1/14 0310 w/area wx/nx/sports. (JDB)  
 WTIX LA NEW ORLEANS - 1/15 0208 w/T40 mx & IDs. (JDB)  
 710 CKVM PQ VILLE-MARIE - 12/31 0715 s/on fair w/less WGN sloop than expected. (BPS)  
 740 UNID -- ----- 1/14 00 noted 0330 looping SW/NE. (JDB)  
 770 WABC NY NEW YORK - 12/28 0348 w/rr, contest spot, @ 0351 YL singer via phone noted, aren't there any good singers in NYC? (hi) (BV)  
 790 OKSO ON SUDBURY - 1/15 0326-0347 atop freq. w/fading, AM-FM IDs 0330-0348 w/C&W mx album cuts. (RA)  
 300 CJAD PQ MONTREAL - 12/28 tele-talk @ 0258, ID/Nx 0300. (BV)  
 CHRC PQ QUEBEC CITY - 12/31 0640-0656 FF Pop mx, nx 0656-0700. Two short, one long "pip" noted @ 0700, dunno if from this station though. (BV)  
 910 KGO CA SAN FRANCISCO - 1/1 0410 in RS w/ID, xlt w/WGY off. (BPS)  
 850 CKVL PQ VERDUN - 1/14 noted w/FF talk @ 0410. (JDB)  
 860 KNUJ MN NEW ULM - 12/30 0130-0246 good/xlt on ET/TT/OC, one ID 0246, CJBC off, QSL in a week. (BPS)  
 WDMG GA DOUGLAS - 1/1 0418 xlt w/ID in RS, CJBC off. (BPS)

910 KGLO OK MIAMI - 1/14 good w/C&W sounding automated 0300 w/promos, IDs "KGLO Radio 910". Good bet for NE to log OK but be careful as WFPB-910 is located in Miami Valley of Ohio. (PRM)  
 UNID -- ----- 1/15 0107 heard "Radio 91 WMDM" ID, not in log, who is this? (JDB)  
 930 WITN NC WASHINGTON - 1/14 0602 s/on w/SSB fair in WEOL null. (JDB)  
 CKNS ON ESPANOLA - 1/14 0318-0328 good o/WFMD w/Rock, ID 0328 mentioning Northern Georgian Bay. (PRM)  
 950 WLIT OH STEUBENVILLE - 1/13 poor/fair w/fades u/WKAZ w/Rock, TC 0734, ID, "Animal House" theme. New. (PRM)  
 960 CKWS ON KINGSTON - 1/15 0402 very good w/CKWS Nx. (SM) 12/30 0300 RS, ID noted in passing, L&C w/no sign of WSBT/WFIR, trying for KABL, but not heard. (BPS)  
 WRFC GA ATHENS - 1/15 0100 fair w/ID, lucky to nail this one w/pest WFIR QSBed out. (WPT)  
 WPRT KY PRESTONSBURG - 1/13 likely this w/racous version of "Maybelline" area wx, ments of KY 0725 u/UNID. (PRM)  
 970 KAKO OK TULSA - 1/2 0456 good w/ID in RS. (BPS)  
 980 CKGM PQ MONTREAL - 1/15 0349 TC, then mx by Billy Joel, new. (SM)  
 1000 ---- PQ RIMOUSKI - 12/29 0332-0345 tentative w/FF MoR, 0345-0350 Network Nx, local spot just after 0345, local nx, 0350 & mx 0346 and on. Is this CJBR EX-900, or a new Rimouski station? (BV)  
 1070 CKST AB ST. ALBERT - 12/26 new station noted 0728-0800 w/MoR type mx, 0800-0805 nx, announcing 24 hour operation. (BV) Another one that slipped by me Brian, this should be in SPECIAL, not here, sri. (RA)  
 WAPI AL BIRMINGHAM - 1/1 0149 RS, good o/WTSO/WIBC w/ID. (BPS)  
 1110 WSLV TN ARDMORE - 1/15 0104 on ET w/Dixie w/IDs between. (JDB)  
 1140 CKXL AB CALGARY - 1/14 0158 great signal, & total surprise w/T40 mx. (RK)  
 1150 WTAW TX BRYAN - 12/31 0740 fair/good in RS w/ID o/usual mess, has been good past few days. (BPS) Now running AN using different pattern, so maybe sending more signal your way. (RA)  
 1170 WLBH IL MATTOON - 12/31 0805 s/on fair/good o/u mess. (BPS)  
 1240 WWOO CT WATERBURY - 12/10 0054 popped up out of crud w/ID. (MG)  
 UNID -- ----- 1/15 0117 ID heard on tape sounded like WIOT, C&W song, temp. good reception. (JDB) Could have been one of your locals simulcasting using FM call. (RA)  
 1260 WNDR NY SYRACUSE - 1/1 0427 good in RS o/WNDE w/ID. (BPS)  
 KGBX MO SPRINGFIELD - 1/1 0428 in RS w/ID, xlt w/WNDR QSBed. (BPS)  
 WALM MI ALBION - 1/1 0715 poor in mess w/s/on, FM-105 promo, (BPS) finally deciphered after many times of playing back tape.  
 CIHI NB FREDERICTON - 1/15 0227 xlt w/T40 mx. (SM) 12/28 (BV) 0315-0334 w/Oldies, rr, ID @ 0329, NRC Log sez T40 format.  
 1270 KOOK CA TULARE-VISALIA - tentative 1/1 0811-0822 w/mx/talk in SS, think Visalia mentioned, spot @ 0811. (BV)  
 WXYZ MI DETROIT - 1/15 0217 good QSBing thru w/TC/ID. (SM)  
 WLBR PA LEBANON - 1/3 made it thru WHBF/WXYZ/KFJZ briefly w/s/off @ 0105. (JR)  
 UNID -- ----- 1/15 0400 TTer looped N/S as strong as WXYZ at times, expect KY. (JDB)  
 1280 WGBF IN EVANSVILLE - 1/1 0435-0454 xlt in RS w/PSA/spots, syndicated Disco Show. (BPS)  
 1300 WERE OH CLEVELAND - 1/9 0132 ID as "Newsradio 13" good signal, into Larry King Show. (SM) (BL)  
 WPNE NH PLYMOUTH - 12/29 0633 w/sports, promo for FM, fair/poor.  
 WMVO OH MT. VERNON - 1/1 0602 RS, fair/good in WTAQ OC w/ID. (BPS)  
 1320 UNID -- ----- 1/17 0600 ID sounded like "Beautiful music radio, WOJF...SBURG." Who? (RK)  
 1330 WRIB PA ERIE - 12/27 0155 T40 mx, nx, wx, Lottery #, fair sig. (BL)  
 WHA2 NY TROY - 12/29 0624 tentative w/ments. of Troy, spot for Troy Supermarket, but no IDs. (BL)  
 WFIN OH FINDLAY - 1/1 0603 fair/good @ s/on o/KFH, clear. (BPS)  
 WELW OH WILLOUGHBY - 1/13 fair in mess w/opera SSB 0600 s/on. (PRM)  
 WTRX MI FLINT - 1/16 0227-0229 weak w/IDs & wx thru WPOW OC, WHET off, not enuff for rpt. (RA)



1340 WSOY IL DECATUR - 12/31 0215 noted in passing w/ID o/WJOL. (BPS)  
 WSTV OH STEUBENVILLE - 1/14 believe this w/Drake Rock 0446  
 w/spot for Ace Hardware in Bridgeport, in E. OH. (PRM)  
 1350 WZIX PA YORK - 1/15 apparently AN w/Dave O'Brien T40 Show noted  
 mixing w/WHNE 0145-0229. (RA)  
 WHNE VA PORTSMOUTH - 1/15 u/WZIX most of AM w/C&W mx, "Honey  
 Radio" IDs, few spots. (RA)  
 1360 KKBJ MN BEMIDJI - 1/4 0332 good w/sports, T40 mx, but faded to  
 KEYZ @ 0342. (MS)  
 1370 KPRO TX LONGVIEW - 1/3 in WSPD null w/Ai nx, wx @ 0205, good  
 cx this AM. (JR)  
 1390 WFMJ OH YOUNGSTOWN - 1/15 ET/TT 0200-0230 plus. (JS)  
 WEGP ME PRESQUE ISLE - 12/29 0217-0259 Pop mx w/HS BKB promo @  
 0241, 0259-0300 mx, anybody dig a verie out of them yet? (BV)  
 1410 CIGO NS PORT HAWKESBURY - 12/29 0158-0215 noted w/C&W mx w/Mark  
 O'Brien. (BV) 1/14 0359 mixing w/WPOP, new. (SM)  
 WING OH DAYTON - 1/14 0400 poor w/ID, much WPOP QRM, new. (SM)  
 KCLO KS LEAVENWORTH - 1/10 0230-0255 on ET w/much OC noted. (NZ)  
 1460 WAKS NC FUQUAY-VARINA - 12/21 0646 good w/nx/wx/ID. (BL)  
 1480 WHBC OH CANTON - 12/27 0135 fair w/Ae Nx, IDs, some fading. (BL)  
 1490 WBGD PA LEVITTOWN - 1/7 0047 ID popped up w/ments. of 24 hours  
 a day mixing w/WAZL. (BL) (JS)  
 WJNL PA JOHNSTOWN - 1/15 ending ET/TT w/ID 0456, then s/on annomt.  
 WOMI KY OWENSBORO - 1/15 0325 good ID surfaced atop all others  
 on frequency. (JDB)  
 1510 WJCO MI JACKSON - 12/31 0745 s/on fair/good o/WLAC. (BPS)  
 1530 KNBO TX NEW BOSTON - 1/7 0720 very weak w/PSA, T40 but not sure. (JR)  
 1550 WYNX GA SMYRNA - 12/31 0730 RS, fair w/ID in CBE null, almost  
 no WCVL. (BPS)  
 WMOO AL MOBILE - 1/15 running ET most of this MM w/ID/TT/GOS mx.  
 Noted various times between 0200 & 0430 by (JS) (JDB) (RA).  
 1560 WYSE FL INVERNESS - 12/31 0134-0136 good on ET o/KKAA/KCJJ w/ID  
 0136, rptd. (BPS) Hope you have better luck w/a verie  
 than I did! (RA)  
 WFXV KY MIDDLESBORO - 12/31 0716 s/on, fair/good w/almost no  
 WQXR/WDXR. (BPS)  
 WBYS IL CANTON - 12/31 0757 L&C @ s/on o/usual mess. (BPS) (BPS)  
 1570 WOBG IN NEW ALBANY - 1/1 0600 RS ID fair/good o/CKLQ/CFOR/CHLO.  
 WYTI VA ROCKY MOUNT - 1/15 atop w/mention of Rocky Mount 0645,  
 Freddy Fender song, jx ID 0647, CHLO/CFOR QRM. (PRM)  
 1580 OKLQ MB BRANDON - 1/15 0244 good in CKLM null w/C&W mx. (JDB)  
 WCCF FL PUNTA GORDA - 1/16 0034 tail end of ET w/ID/s/off. (WPT)  
 WPUV VA PULASKI - 1/1 0730 s/on, fair in CBJ null, no sign of  
 usual pest WPGO. (BPS)  
 KRZI TX WAGO - 1/15 0220 xint for 250W w/rr mx. (JDB)  
 1590 KHEN OK HENRYETTA - 1/10 0130-0145 on ET w/OC & some taped  
 annomts, PSAs, etc. (NZ)  
 WGGO NY SALAMANCA - 1/15 good o/u WAKR & others w/Skiing promo,  
 ID, Pop mx 0814, new. (PRM)  
 WEHH NY ELMIRA HEIGHTS-HORSEHEADS - 1/1 0559 s/on, fair/good  
 o/WAKR, WVNA nulled. (BPS)  
 1600 KLGA IA ALGONA - 12/30 0310-0354 ET L&C pinning meter even  
 w/Loop detuned! (BPS)  
 UNID -- ----- 1/15 s/on 0600 w/ments. of 98.3 FM. (PRM)

#### A RECORD 21 REPORTERS

JWB	Joe Brauner, Punxsutawney, PA	SX-99 LW, A2515 Loop
JDB	John D. Buehler, Toledo, OH	FRG-7, Sanserino Loop
JC	John Clemmer, Peoria, IL	TRF, SM2
MC	Mark Connelly, West Yarmouth, MA	R-390A, TRF, Radio West Loop, SM2
RK	Rick Kenneally, Cincinnati, OH	DX-160, TRF, SM2
JK	John Kromka, Montville, NJ	DX-160, LW, SM2
BL	Bryan Lee, Brooklyn, CT	TRF, RF-2200, 2' Loop
AWL	Allen W. Luckey, New Castle, DE	Mil. Surplus, TRF, LW
SM	Steven Miller, Boston, MA	TRF
PRM	Paul Mount, Nelsonville, OH	TRF, no external antenna, Teaneck
RM	Ron Musco, Windsor, CT	HQ-145, HQ-180A, LW, Loop
JR	Jeff Roberts, Carbondale, IL	DX-150B, SM2

#### REPORTERS, CONTINUED

BPS	Brian P. Sherwood, Elmhurst, IL	HQ-129X, TRF, SMI
MS	Morris Sorensen, Leaf Rapids, MB, Canada	HQ-150, SM2, 75' Lw
JS	Jerry Starr, Hubbard, OH	HQ-180A, MW-1, 3' Loop
ERS	Elliot R. Straus, West Orange, NJ	R-390A, LW
WPT	William P. Townshend, Washington, DC	TRF
BV	Brian Vernon, Elsa, Yukon Terr. Canada	DX-150A, DX-160, assorted LW's
WW	Bill Wurtzel, New York, NY	TRF, 400' Rhyme
NZ	Neil Zank, Lincoln, NE	HQ-180A, TRF
RA	Ray Arruda, Cush Net, MA	SX-122, SMI

Welcome to all new reporters, and thanks to everyone for taking the time to send in your DX. Til next time, 73.....

*Ray*

## CONTESTS

JOHN KROMKA  
 P.O. BOX 86  
 MONTVILLE, N.J. 07045

Well, I'm very happy for the participation of Contest #4. We're getting more participants as the season rolls on, it seems. The results of this Contest are contained herein along with some other information of pertinence. Come on, everyone. Participate in Contest #5 and show your fellow club members what stuff you're made of. Read on!-----

#### RESULTS OF CONTEST #4

Rank	Name	contest points
1	*Mike HEPPE.....	955
2	*Larry Van HORN.....	625
3	*Dan GRADIN.....	619
4	**Bryan LEE.....	526
5	Harold E. COX.....	479
6	John D. BUEHLER.....	469
7	Paul SWEARINGEN.....	466
8	Paul MOUNT.....	457
9	David YOCIS.....	444
10	Linda BRODSKY.....	400
11	Bruce CONTI.....	305
12	Robert CURTIS.....	272
13	Jack F. STAFF.....	264
14	Bill HARDY.....	207
15	Nancy HARDY.....	200
16	Frank WHEELER.....	195
17	Steve KENNEDY.....	136
18	Scott PARKER.....	130
19	Tim KERFOOT.....	86
20	Bill BERGADANO.....	57

#### OVERALL STANDINGS

Names	accumulated grand prize points
Mike HEPPE.....	27
Larry Van HORN.....	22
Dan GRADIN.....	19
Paul MOUNT.....	14
Bryan LEE.....	12
Harold E. COX.....	11
Dan LESTER.....	7
David YOCIS.....	6
Bill HARDY, Ron SCHILLER.....	4

CONGRATULATIONS!! to Bryan Lee, who is the winner of Contest #4. Since the actual top 3 were winners before (quite ironic), the title goes to Bryan. You are the winner of a new NRC Domestic Log!!!!

The top ten participants are only listed this time in the overall standings. We got a good battle going Mike Heppe, Larry Van Horn and Dan Gradin. It'll be interesting to see who finally wins.

I'd like to welcome new Contest participants this time which included: Linda Brodsky, Paul Swearingen, Bruce Conti, Bill Bergadano, John D. Buenler, Jack Staff, Bob Curtis and Steve Kennedy. Welcome aboard and thanks a lot for participating!

By the way, a few members who participated in Contest #4 did their listening on the old Contest date of Jan. 9, mostly due to that they didn't get their bulletins in time for the change. Those who participated on the old date will still be counted, just as the ones listed on Jan. 14. I see no reason for nullifying these entries as it was partly my fault for not getting this alteration in at an earlier date.

Contest #5: Stations in any other time zone than your own will count.

LENGTH: Feb. 7-12 DEADLINE FOR ENTRIES: Feb. 21

PRIZE: NRC Antenna Pattern Book

NOTE: stations in U.S. & Canada only count

Point system for the contest:

stations one time zone away:	50kw: 5 points
	25kw: 10 "
	10kw: 15 "
	5kw: 20 "
	2.5kw: 25 "
	1kw: 30 "
	.5kw: 35 "
	.25kw: 40 "

stations two time zones away:	50kw: 15 "
	25kw: 30 "
	10kw: 45 "
	5kw: 60 "
	2.5kw: 75 "
	1kw: 90 "
	.5kw: 105 "
	.25kw: 120 "

stations three or more time zones away:	50kw: 45 "
	25kw: 90 "
	10kw: 135 "
	5kw: 180 "
	2.5kw: 225 "
	1kw: 270 "
	.5kw: 315 "
	.25kw: 360 "

This Contest requires more effort on your part. You have to figure out the lines of the time zones and then figure out the zones of the stations you hear are in. I honestly doubt anyone will hear anything less than 10kw three time zones away, but listed the point values, just in case, anything can happen. This should be a very interesting Contest.

For the benefit of the newer participants to Contests here is an example of how I would like you to send your entries to me:

station	freq.	location	point value
WDXN	540	Clarkesville, Tenn.	3
WCPC	940	Houston, Miss.	5
WFAS	1230	White Plains, N.Y.	7

Also, another reminder: if you are participating in Contests for the first time, don't forget to enclose your 30¢ entry fee with it, please!

Now it's time for all of you to use your ingenuity. I said in the last column that I have the Contest program for next year all figured out. Well, in fact, it is in the tentative stage. From now on, until September of this year I will accept ideas for different Contests. If you have any ideas for some interesting Contests please send them along. The best three Contests I receive will be rewarded. So, put on your thinking caps and send those Contest ideas in!

## CONTEST #5

## FEBRUARY

7-12

*John*

# INTERNATIONAL DX DIGEST

CHUCK HUTTON  
P.O. BOX 2087  
DECATUR, GA 30030  
(404) 633-1198  
BEFORE 2300 ELT

Times are GMT. For ELT subtract 5 hours. Deadlines are usually Monday.

Via Ron Schatz is the following list of changes in Cuban AM stations as of 13 January, 1979. There are many more changes that I have noticed-as soon as time permits they will be added to these.

590	R. Rebelde	H	San German	x-600
600	R. Rebelde	LH	S. Ant. de las Vegas	x-590
820	R. Ciudad de la Habana	CH	La Habana	new
860	R. Metropolitana	CH	La Habana	x-820
860	Reloj Nacional	CA	Ciego de Avila	x-Agramonte
870	R. Progreso	SS	Sancti-Spiritus	x-960
930	Reloj Nacional	M	La Kaiba	c
940	R. Ciudad del Mar	CF	Cienfuegos	//1100
980	COCO	CH	La Habana	c
1000	R. Guama	PR	San Cristobal	x-1020
1070	CMKS (La Voz Popular)	GT	Guantanamo	x-1290
1110	R. Angulo	H	Banes	new, //1120
1140	R. Bayamo	C	Media Luna	new
1180	R. Sancti-Spiritus	SS	Sancti-Spiritus	x-990
1190	R. Sancti-Spiritus	SS	Yaguajay	new //1180
1200	R. Sancti-Spiritus	SS	Placetas	new, //1180
1200	R. Ariguanabo	LH	S. Ant. de los Banos	unc.
1260	Dobleve	VC	Trinidad	x-1160
1290	Dobleve	VC	Rancho Veloz	new, //840
1360	R. Internacional	CH	La Habana	x-860
1390	R. Jaruco	LH	Jaruco	x-R. Giron
1400	R. Camaguey	C	Florida	c
1400	R. Musical Nacional	M	La Jaiba	x-Agramonte
1430	R. Surcos	CA	Moron	new
1440	R. Guines	LH	Guines	c
1460	R. Popular	CH	La Habana	x-1360
1460	R. Marianao	CH	Marianao	delete
1480	R. Mayari	H	Mayari	new
????	R. Victoria de Giron	M	????	new

c= confirmed on the air

unc= unconfirmed, not likely on

Cuban provinces and abbreviations used:

1	Ciudad de la Habana	CH
2	Santiago de Cuba	SC
3	Holguin	H
4	Villa Clara	VC
5	Granma (Bayamo)	G
6	Pinar del Rio	PR
7	Camaguey	C
8	La Habana	LH
9	Matanzas	M
10	Guantanamo	GT
11	Tunas	T
12	Sancti-Spiritus	SS
13	Cienfuegos	CF
14	Ciego de Avila	CA
	Isla de Pinos (municipio)	IP

And the Cuban slogan for 1979: "... en el Ano 20 de la Victoria".

Astute readers will note that Cuban provinces have been re-arranged slightly.

A note: NRC'er Dario Monferini issues a weekly bulletin called "Play DX" which contains loggings and station info. International DX'ers may be interested; if so contact Dario at Via Davanzati 8, Milano, Italy 20158.

**40G GOLD COAST**  
GOLD COAST RADIO BROADCASTING CO. PTY. LTD.  
BOX 174 P.O., SOUTHPORT 4215  
TELEGRAPHIC "FOURGOLDCOAST" SOUTHPORT  
STUDIOS—RADIO CENTRE, BUNDALL RD., SURFERS PARADISE  
TELEPHONE 9 5555.

- 527 COSTA RICA TICAL Cartago R. Rumbo 0745 1/12 good w/LA vocals. (Tomer)
- 535 GUINEA R. Grenada xlnr w/religious message and hymn 0231-0235 s/off 1/14; ran a tone for 30 seconds after s/off, then cut carrier. (DeLorenzo/Connelly)
- 545 DOMINICA Roseau 1&c w/lively Caribbean mx, fast speaking male FF anncr 0216-0230 1/14. (DeLorenzo/Connelly) Good w/disco hit "If I Can't Have You" 2309 1/10. Fair w/"Blue Bayou" by Linda Ronstadt 2214 1/13. (Connelly) If you are looking for this one, look twice; it has been off the air whole evenings. Very irregular. (Gleason) R. Calypso definitely //840 in FF, but closes down early; i.e. past 2400 UTC. Note 3/6/78 IDXD on this one. (Schatz)
- 550 CUBA Pinar del Rio QMAN poor-fair w/SS talk by lady and man //630, 640 1/14 0523. (Buehler)
- 550 JAMAICA RJR Montego Bay w/deceptively USA top 40 style promo for what sounded like "The Carrie Packen World Series Super Test 1/18 MM at 1005, out of Mary McGregor song. Mentioned the test held "every morning at 4:30 excepting Sunday morning when you can hear it on RJR-FM at 6:05". Sounded like a Florida top 40 stn for a moment, hi. Cuba nulled, CFNB came in moments later to muddle things. (Andres)
- 570 CUBA Santa Clara CMHI totally demolishing WMCA; "Aqui R. Rebelde" ID, then non-stop SS talk by several anncrs, crowd noises in background 0307 1/12. (Connelly)
- 570 GREENLAND Godhab, Gronlands Radio, not yet heard in Miami, hi. (Schatz) No doubt soon though-CH
- 590 CUBA R. Rebelde: CMW 600 is ex 590 and QMHV 590 is ex 600. Look out, reporters! (Schatz)
- 595 DOMINICA Roseau, Dominica BC good despite shallow audio w/EE disco mx, EE jingle 0240 1/14. (DeLorenzo/Connelly) Now ID's as "DBS", ex R. Dominica. (Schatz)
- 600 CUBA see 590. (Schatz)
- 605 ECUADOR HGRH2 R. Huancavilca, Guayaquil 1/9 0544 w/pgm of all HC national mx, ID clear as "Huancavilca", sans "Radio". The name is an Indian hero. (Gleason)
- 612 MOROCCO Sevaa-Aioun fair w/chanting 2359 1/8. (Connelly)
- 615 ECUADOR Quito HQMJL Em. Gran Colombia strong w/talk, ID by woman 0548 and tropical mx. (Gleason)
- 621 CANARY ISLANDS (tentative) male vocal, possibly SS, putting ripping het on WLBZ 0001 1/9. (Connelly)
- 630 CUBA Santa Clara QMHQ //640, o/WPRO w/male operatic vocal 0346 1/12. (Connelly)
- 640 HAITI Port-au-Prince La Voix du Seigneur (Voice of the Lord) 4VJS is on the air. (Schatz)
- 640 VENEZUELA YVQO Puerto la Cruz o/QMQ: beer ad, mentions of Margarita and Puerto la Cruz, ad for Musk cologne, 0256 1/12. (Connelly)
- 640.7 UNID carrier, looped same as all my HC's 1/9 0545. (Gleason)
- 650 DOMINICAN REPUBLIC HIAT Santo Domingo way o/WSM; disco rock, then Universal ID and ad barrage 0300 1/12. Low pitched het on the low side. (Connelly)
- 650 MEXICO XEINT noted w/jingle ID in SS, Radio Sesenta y Cinco ID, SS mx, and many spots. What's the stn doing on at an unusual time like this? 1/19 0300. Good signal. (Harang) Probably broadcasting mx, etc., hi-CH
- 658.8 UNID LA 1/13 0345. (Gleason)
- 661.8 UNID carrier looped towards Ecuador 1/9 0550. (Gleason)
- 660 MEXICO Mexico DF XERPM fair u/WNBC w/soft, mellow trumpet mx, "Musica de buen gusto" ID at 0730 1/14. (Buehler)
- 670 CUBA San Pedro de Cacocum QMKP good w/cl mx //860 0742 1/14. (Buehler)
- 675 COSTA RICA/UNID someone here nightly w/Sonora and differing by 200-400 Hz. DF similar so Nicaragua possible but no ID yet. (Thomas) Union Radio moved back to 680 many years ago. The Ecuadorian is the only other stn on the channel-CH
- 675.2 COSTA RICA San Jose TLGN fair reception w/LA rhythmic mx, approximately .2 kHz off frequency 0746 1/14. (Buehler) Has been noted drifting as much as 400 Hertz off freq the week of 1/15. Sure makes the Ecuadorian easier-CH
- 690 CUBA QMBC La Haabana very good reception w/lady anncr, SS talk 1/14 0730. (Buehler)
- 699 DOMINICAN REPUBLIC HIDC Valverde R. Mao poor w/LA mx 2224 1/13. (Connelly)
- 701.2 UNID LA 1/13 0330 w/international pop (SS light rock) mx. Looped Colombia and southern CA. (Gleason)
- 702 AUSTRALIA 2BL Sydney heard from 1052 to 1104 and from 1255 to 1304 on 1/10. Six beep ID at 1100. (Wilkinson)

- 705 ST. VINCENT Kingstown fair w/Floyd Cramer style piano mx 2225 1/13. (Connelly)
- 725 COSTA RICA San Jose TILX in w/loud signal 1133 1/8; good "TILX" ID and Columbia mentioned several times. (Tomer)
- 725 SURINAM Paramaraibo SRS fair w/EE and unid lang followed by Bee Gees mx 1/12 0341. Good w/man in EE, c&w mx 0739 1/14. (Buehler) Fair w/chanting, then man in Asiatic lang 2320 1/10. Good w/Glady Knight vocal 2226 1/13. (Connelly)
- 730 MEXICO XEX Mexico City 12/18 1027 1/2 clear "equis-eh-equis" SID between songs. Average sig. No sign of CKLC, which was probably off for a rare SP. (B. Hardy)
- 735 ECUADOR HCGC1 R. Melodia, Quito good w/disco mx, ID 0255-0301 1/14. (DeLorenzo/Connelly) Unusually strong w/Radiodifusion Nacional de Ecuador slogan, march mx, reverberated SS talk 0234 1/12. (Connelly)
- 738 AUSTRALIA 2NR Grafton 1145 1/8 fair signal; quiet mx and DU accented EE talk. (Tomer)
- 740 VENEZUELA Maracaibo YVNC o/ratpack w/R. Maracaibo ID 0235 1/12. (Connelly)
- 745 UNID 1/9 0550 w/SS talk during HC opening. (Gleason)
- 747 JAPAN JOUB Akita 0914 1/11 weak u/noise w/JJ. (Tomer)
- 754a COSTA RICA (tentative) TIRA San Jose. Given its track record, this has to be TIRA. Noted drifting between 753.8 and 754.6 the past week and occasionally s/off at 0500 (but on past 0500 1/14). R. Nacional the only readable (but useless) slogan or QTH. (Thomas)
- 756 NEW ZEALAND IYA Auckland heard from 1155 to 1304 on 1/12. Mix of "oldies" and present songs with lots of anncrs. (Wilkinson) Never hrd on 760 due to KGU QRM, now is easy. Fair sig 1110 1/8 w/RNZ nx. (Tomer)
- 760 COLOMBIA Barranquilla a regular here but logged 0700 1/14 using a R. Moderna slogan in addition to the usual LV de Barranquilla ID. Don't have the Moderna slogan in my notes, hmmm... (Thomas) Super-loud w/SS news about police and drugs, then R. Suceso-RCN ID 0236 1/12. (Connelly)
- 760 GUYANA Jonestown 8RG fair w/TC 7:07 by Caribbean accented woman in EE, then reggae-calypso mx 2208 1/13. (Connelly)
- 760 VENEZUELA YVQO Puerto la Cruz audible w/talk about Maracay, HJAJ nulled; atop WJR/Cuba 0237 1/12. (Connelly)
- 765 NEW ZEALAND Hastings 2ZK xlnr 1000 1/11 w/piano mx //to IYC 882. RNZ ID at 1005 and mention of concert pgm. (Tomer)
- 765 SENEGAL Dakar loud w/usual plucking resembling toy ukelele 0013 1/9. Fair w/man in AA with short choppy sentences (possibly Koran readings) 2322 1/10. (Connelly)
- 772 COLOMBIA HJKH R. Tequendama, Bogota 0300 1/13 w/US rock mx, brief DJ chatter in between. Audio rather rough, as on a spur. Also played some SS soft rock. Thought this guy quit drifting years ago. (Gleason) He has quit-been on freq for years. CH
- 774 AUSTRALIA 3LO Melbourne 1003 1/11 fair w/ABC news. (Tomer)
- 775 COSTA RICA San Jose TIW good 0774 het; "Magic Carpet Ride" by Steppenwolf, then SS talk 0701 1/13. (Connelly)
- 780 BRITISH VIRGIN ISLANDS Roadtown ZBV1 good/dominant w/BBC discussion pgm 2324 1/10. (Connelly)
- 800 NETHERLANDS ANTILLES Bonaire PJB loud/dominant w/EE religious talk by woman 2325 1/10. (Connelly)
- 800 PANAMA Chitre "La Exitosa" ID at 0942 in a PJB silence 1/18 MM. (Andres)
- 804.8 UNID bits of SS here 0625 1/14 and looped Panama/Ecuador but no chance for ID. (Thomas) Canal Tropical is the only thing here-CH
- 819 NEW ZEALAND Rotorua IYZ xlnr signal 0930 1/11 w/MoR vocal // to IYA 756. (Tomer)
- 830 HAWAII Honolulu KIKI loud hi-fi signal 0500 1/9 w/coyote howl, "Coyote Program", and "KIKI Disco 83", then disco mx. (Tomer)
- 830 VENEZUELA YVLT R. Sensacion, Caracas. This turkey is a Caracas stn. Its offices are there and its tower is next to R. Vision's just south of the city. San Antonio is a wide place in the road. 100 kw should be on soon. (Gleason) Dave talked to one of the engineers down there putting the xmtr in (or at least getting things ready) so soon means just about anytime now-CH
- 828 AUSTRALIA 3GI Sale assumed, heard with a man in British type accent from 1254 to 1258 on 1/5. (Wilkinson)
- 837 AUSTRALIA 4RK Rockhampton heard from 1158 to 1236 on 1/10. Six beeps at 1200 followed by newscast. (Wilkinson)
- 840 CUBA Santa Clara QMHW, or "Dobleve" (w) for short. Never "Radio Dobleve". (Schatz) And I don't think anybody has reported it as R. Dobleve. Also I wouldn't let it slip past me I hope-CH
- 840 HAITI Cap Haitien o/a jumble of others; man in slow FF 2234 1/13. (Connelly)

- 846 TARAWA VSZ1 Gilbert Islands with group singing Polynesian type song from 1003 to 1005. Followed by GSQ and off the air at 1005:35 on 1/14. (Wilkinson) The mx you heard is supposed to be a song that is played every night before s/off-CH. Good w/native pgm 0845 1/9. (Tomer)
- 855 AUSTRALIA 4QB/4QO-unable to determine which-heard quite well with a play from 1112 to 1132 on 1/15. (Wilkinson) And I don't think you will be able to tell which-they are supposed to be a synchro operation-CH
- 855 UNID DU, weak u/strong domestic slop 0848 1/9 w/theme from the "Third Man" (how's that for an oldie?). EE talk at 0902. Single pip at 1030 followed by quiet mx. (Tomer) I'd say Aussie but the single pip doesn't seem right. Or maybe they give only a single pip on the half hour as opposed to the full set? CH
- 860 PANAMA HOL55 R. Reforma, Chitre- "Radio Reforma" ID in a promo at 1026 1/18 in HILR null. Many Reforma ID's followed by a phrase I couldn't quite catch-- "say oday"? and a music soynder riff right out of the Chantay's songbook, hi. (Andres) Chantay's ???-CH
- 864 NEW ZEALAND 4ZA Invercargill heard from 1137 to 1206 on 1/15. Six pips at 1200. Believe he signed off at 1206 or shortly thereafter. (Wilkinson)
- 864 UNID DU's, both with pop mx, heard 1030-11-- 1/9. One was undoubtedly 4ZA. At 1100 only one stn was heard and it had six pips and a clear "ABC National News" ID. I can find no ABC stns listed for 864, however. (Tomer) I'd go check my supposedly up-to-date Aussie list in the basement but it's raining hard and I have to go outside to get there. Too bad.... CH
- 871 VENEZUELA (tentative) YVKU suspected as the LA socking 870 w/a nasty het, SS talk at fair to good strength 2238 1/13. (Connelly)
- 873 AUSTRALIA Sydney 2 GB (tentative) 1113 1/9 fair signal at end of pop song, then DJ chatter followed by telephone conversation w/ woman. Then faded for good. (Tomer) Was audible from 1148 to 1153 on 1/16 with a phone-in talk type show. Not hrd after that. (Wilkinson)
- 882 AUSTRALIA 4BH Brisbane with good music and male anncts from 1208 to 1214 on 1/15. Strongest Aussie on the dial. Heard again on 1/17 and 1/18. (Wilkinson)
- 882 NEW ZEALAND 1YC Auckland good 0840 1/9 w/classical concert pgm. (Tomer)
- 885 MONTSERRAT Plymouth ZJB in w/fair carrier, poor audio-talk by woman 2240 1/13. (Connelly) R. Montserrat, Plymouth fair despite undermodulated signal w/world news in EE 0006 1/12. (DeLorenzo) One of the extremely undermodulated Caribbean stns-CH
- 890 COLOMBIA HJCE Bogota booming in w/pop mx, "La Voz de Bogota" ID's hrd 1/15 0430. (Buehler) 12/16 0719 good and alone with clear ID. Was checking 890 for cx to the east (to see if West Virginia ET on 680 had a chance) and got this with no sign of WLS! WLS was back a little later. (Hardy)
- 890 DOMINICAN REPUBLIC Santo Domingo HIPJ fair/good o/growl; talk about Santo Domingo companies 2241 1/13. (Connelly) L6C way o/HJCE w/ID, lively mx 0000 1/12. (DeLorenzo)
- 891 AUSTRALIA 5AN Adelaide fair from 1214 to 1218 on 1/15. WLS took over at 1218. (Wilkinson)
- 891 FIJI Lautoka loud 0915 1/10 w/Hindi pgm, then "This is Radio Fiji" announced in Hindi-Accented EE 0916. (Tomer)
- 900 BARBADOS R. Barbados l&c, well atop w/US MoR, contest promo 2353-2356 1/11. (DeLorenzo)
- 900 VENEZUELA YVMD R. Mara, Maracaibo s/off w/instrumental NA 0350 1/9 after announcing power as 10 kw. (Gleason)
- 905 ECUADOR HCBO2 R. Espectaculo, Guayaquil 1/9 0520 w/rock mx in EE. (Gleason)
- 905 UNID extremely lively LA mx and bits of SS man here 0400 1/9 but mostly just a carrier. Would assume an HC but seemed to be looped well east of Ecuador. (Thomas) The HC is the only stn here to the best of my knowledge-CH
- 909.5 UNID someone here hetting R. Aeropuerto Caracas (which is apparently on its 50 kw xmtr). Could not ID. (Gleason)
- 910 HAITI Port-au-Prince, 4VRNM back here from 895. (Schatz)
- 910 VENEZUELA Maiquetia YVRQ good w/man and woman in SS, then Aeropuerto to jingle 2329 1/10. (Connelly)
- 911.2 DOMINICAN REPUBLIC HIDE R. Tiempo, San Francisco de Macoris 1/9 0340 w/mx, mostly rather odd ballads in pgm called "Vuelo 910", or Flight 910. (Odd, in that I'd never hrd them before) AST time check and ID at 0347. (Gleason)

- 914 SURINAM Nieuw Nickerie poor-fair w/exotic mx similar to AA mx 2243 1/13. (Connelly) Guess this the one w/Eastern-sounding mx but no readable voice 2330 1/13. (Thomas) l&c with chanting, violins 2328-2346 1/11. (DeLorenzo)
- 919.5 UNID someone hetting KARN 920 0640 1/14 but not separable. This looped NW-SE so it may be a domestic. (Thomas)
- 920 COLOMBIA (tentative) Cartagena HJAE, suspect this stn because of coastal QTH and because of music of type heard on Colombian stns. Fair w/no sign of WML 1/16 0050. (Townshend)
- 925 COSTA RICA/UNID there are 2 here, one about 80 hz high, hetting nicely 1/9 0400. The Guayaquil stn was truly here when I was in Ecuador, so a possibility. At same time the HC on 975 was hashing the TI there, so... By 0500 this was almost separable from the low het and grabage. A few SA tropical songs noted. Definitely suspect LV Liberal, Guayaquil. (Gleason) R. Imperial, Guatemala is also here and creates a low het on the TI-CH
- 950 VENEZUELA YVKG R. Vision, Caracas good o/WLOF w/SS MoR vocals 2301-2312 1/11. (DeLorenzo)
- 950 DOMINICAN REPUBLIC HIBA Santo Domingo assumed to be the R. Popular here w/jazz, ID u/YVKG/WLOF 2304 1/11. (DeLorenzo)
- 955 UNID LA 1/9 0515 in the HC opening. Two HC's listed; the only one I veer hrd in Ecuador was Quevedo. (Gleason)
- 960 COLOMBIA Magangué HJHN atop domestics with R. Sutatenza mention, SS talk at 0243 on 1/12. (Connelly)
- 985 UNID 1/9 0520 w/SS soft rock. Believe I hrd several Ecuadorian products advertised, as the spots were very familiar. Format fits R. America, Cuenca who did use this freq when last hrd in 1972. (Gleason) I continue to hear somebody here more reliably than the HC and Peruvian were hrd in the past. Format is a lot of US soul and disco mixed in with SS soft rock. (Hutton)
- 995 UNID Ecuador? SS noted here, hard to DF w/WINS needing a null to eliminate splash 1/18 MM at 0845. Nice signal during mx though. Would've welcomed an ID. Sigh. (Andres)
- 1000 COLOMBIA HJAR Cartagena slamming in w/SS mx, mention of Cartagena, 2248/10. (Connelly)
- 1000 VENEZUELA YVNM R. Mil, Moron l&c, alone on channel w/SS MoR vocals, TC's, ID's, jingles 2253-2300 1/10. (DeLorenzo)
- 1005 COLOMBIA Neiva Colossal fair as usual with "festival" program 0645 1/14. (Thomas)
- 1008 NEW ZEALAND Tauranga 1ZD 0853 1/11, fine signal w/pop mx and DJ chatter. This has been the most consistent DU for me lately. (Tomer)
- 1017 TONGA Nukualofa with group singing a slow Polynesian type song that could have been their anthem from 0958:30 to 1002:25 on 1/14. Station then went off the air. (Wilkinson) Had Aussie pgm 0915 tune-in to 0938 1/9, beware! This followed by native pgm. (Tomer)
- 1020 HAITI Petion-Ville not heard in P-au-P. (Schatz)
- 1026 AUSTRALIA 4MK Mackay (tentative) generally weak signal had DU accented EE talk and pop mx, and what seemed to be a 4MK ID 0932 1/9. Replayed tape several times, but can't be sure as lightning QRN occurred with ID. (Tomer)
- 1026 SOLOMON ISLANDS Honiara SIBS weak in pidgin EE during brief fade-up 0825 1/12. Was // to 5020 SW. (Tomer)
- 1035 HAITI Cap Haitien 4VEC almost equal to WBZ strength; soft instrumental old-time mx 2302 1/13. (Connelly)
- 1035 NEW ZEALAND Wellington 2ZB 0911 1/9 fair w/pop mx. //1008. (Tomer)
- 1040 CUBA La Fe good (WHO testing) 0618 w/miscellaneous LA mx and rare R. Caribe ID's. Is this Q:BN on QMCY? Sounds like more than 250 watts. (Thomas) Not sure on calls and I won't go out in the rain to get the list downstairs for you either, hi. Power is supposed to be 10 kw and it sounds like it in Atlanta-CH
- 1044 MOROCCO Sebba-Aioum fair w/man in FF 2354 1/8. (Connelly)
- 1055 COLOMBIA HJFZ El Espinal (tentative) seems most likely the source of weak Latin mx heard at 0857 1/12. (Tomer)
- 1070 VENEZUELA Maracaibo YVMA good o/other LA's-R. Zulia ID 0649 1/13. (Connelly)
- 1085 HONDURAS Camayagua HRWCV R. Aeropuerto. Please stop reporting this one as HROF in San Pedro Sulal (Schatz)
- 1090 COLOMBIA HJBC Cucuta fair atop w/CARACOL pgm 0545-0552 1/15. (DeLorenzo)
- 1090 VENEZUELA YVPB R. Yaracuy, San Felipe is dominant here. Example, 1/15 2400 w/pgm of US rock mixed w/SS rock completely covered YVVSZ w/its US rock. (Gleason) Odd, 2 YV's, 2 HJ's and an HI heard here but never your dominant-CH

1090 VENEZUELA Caracas YVSZ Exitos Mil Noventa blowing away channel with mx, SS talk, and LOUD ID 0053 1/17. Cx were AU and much SS all over band, much of it from SA. (Kenneally)

\*\*\*1096\*\*\* MARSHALL ISLANDS Majuro WSZO in with fair steady signal 1100-1130 1/15. Played mostly c&w with some pop and native mx. Annts were in both EE and in local dialect. At 1130, male said "This is Radio Marshall, WSZO, 1098 on your dial". (Tomer)

1100 ANTIGUA St. John's ZDK xInt/totally dominant w/Caribbean islands news 2232 1/10. (Connelly)

1110 CUBA C?? R. Angulo in good w/man in SS talking forever then ID 0206 1/16. (Kenneally)

1110 VENEZUELA Carupano YVQT blasting in, alone on channel w.network ID "Rumbos-la emisora de Venezuela", some kind of family drama w/mother, dad, and the kids, followed by Carupano mention 2230 1/10. (Connelly)

1120 VENEZUELA Maracaibo YMF atop other LA's w/ad for "Banco del Caribe, Banco Venezolano" 2258 1/13. (Connelly)

1135 GUATEMALA TGVR Retalhuleu at fair level w/waltz-beat LA mx and SS male vocals 0550 1/10. Clear "La Voz de la Costa Sur" ID at 0555, one (possible quick s/off) 0600. (Thomas)

1140 UNID 1/15 0115-0200 w/pgm of traditional boleros by trios, long talking between songs, many songs were with traditional Cuban style with flute, etc. Could not null WQII fully for full ID. Also there was a station after 0200 w/US disco mx. (Gleason)

1145 UNID 1/15 0100 during a WQII talk show. Presume Haiti, which corresponds w/loop. Who is here? Or which Haitian? (Gleason) R. Citadelle ex 1110-CH

1165 ANTIGUA St. John's C.R.L. very good w/EE preaching 2256 1/13. (Connelly)

1170 HAITI R. Soleil 1/15 0200-0400 s/off. Drama in FF 0200-0300 and cl mx 0300-0400. S/off w/brief children's chora; song, short NA (about 60 seconds) and immediate carrier cut. Again 1/16 2400 w/disco mx. No spots ever noted. (Gleason)

1180 CUBA QMBN Reloj Nacional weak battling second LA (WHAM off) w/usual all news format 0637 1/14. (DeLorenzo)

1194 HAITI Jeremie, La Voix du Grand-Anse drifting here from 910. Readable eves in Florida. (Schatz)

1190 UNID does anyone know if there is a Dominican operating here? 1/15 0220 heard program of merengues (typically Dominican), but could not ID due to WOWO and WBMJ (latter nulled), former w/monster signal and baseball game. (Gleason) Baseball game on WOWO in January? I think you've had too much Puerto Rican rum. Better take it easy fellow. By the way, R. Azul is on 1190, ex 1470 as of last spring I think-CH On second thought, maybe it's the Ecuadorian stuff that did you in, hi... CH

1206 UNID weak EE pop song 1018 1/9. Probably Fiji or ZGF. (Tomer)

1210 GUATEMALA TEMX fair briefly 0637 1/8 w/Rumbos ID and cat snarl; faded quickly after that. (Tomer)

1250 HAITI R. Diff. Haitienne, P-au-P, do not delete, on air. (Schatz)

1250.5 CUBA presumed w/frequent ID's as Reloj so guess it is Reloj Nacional. Had all the ticks and whatnot of a Reloj Nacional. QMKa listed on 1250 w/250 watts. 1/9 0505. (Gleason)

1220 CUBA unid Reloj Nacional noted 1/22 AM, very weak. (Hutton)

1269 WEST GERMANY Neumunster fair to good w/man in CG 0/1270 slop 0636 1/13. (Connelly)

1270 MEXICO XE?W only caught this call 0250 1/16. Who is it and where? Soory, no details. (Kenneally) The only thing that fits is XEMW but the 77 WRTH says they are daytime only-CH

1270 HAWAII KNDI Honolulu 1006 1/8 weak but clear "...right here on KNDI" mention by man w/foreign accented EE, then into some kind of ethnic mx. Was u/a strong OC but tuning slightly to one side made KNDI's audio much clearer. HI #20 for me! (Tomer) This tune-out-the-strong-carrier-on top business works if and only if the two carriers happen to be within 10 Hz or so. This is because you are removing the DX stn's carrier mostly and using the strong station's carrier (which is attenuated greatly but still present with enough magnitude) to demodulate the DX stations sideband. Therefore the phase relationship (i.e. frequency) of the strong carrier and the DX stn's sideband must be very close to that of the carrier and sideband of the DX stn or severe detection distortion will result. The net result (if everything is ideal) is an exalted carrier reception with the "new" carrier 15-30 dB stronger than the original. Ought to work on DU and HI stns being QRM'ed by domestics-CH

1265 ST. KITTS Basseterre 1026 1/9 assumed the stn w/preaching, weak signal. (Tomer)

1287 CZECHOSLOVAKIA/PORTUGAL Praha-Melnik in w/big carrier weakly modulated by orchestral mx o/suspected Portugal w/PP-sounding talk 0635 1/13. (Connelly)

1290 COLOMBIA HJEB LV del Turismo, Santa Marta up and over the jungle of LA's here 0200 1/18 with ID. (Hutton)

1300 VENEZUELA R. Reloj, Maracaibo 1/9 2400 w/untypical Reloj format. DID not give time between records. Relaxed DJ, soft rock, mostly EE (Stylistics, Bee Gees, America, etc.). Owned the frequency. Was looking for R. Trece, Petare which I have never noted. (Gleason)

1310 HAWAII Kahului KNUI must have been the weakie heard 0900-0930 1/8 w/rock mx and what sounded like "K-nooie" slogans. Only 2nd time veer heard. (Tomer)

1314 UNID Iberian peninsula station suspected-opera mx, then SS or PP talk, weak, 0633 1/13. (Connelly)

1345.1 UNID LA 1/16 from 0353-0415, too weak to tell if it is the Honduran formerly on 1346 or the Ecuadorian-(Hutton)

1375 ST. PIERRE ET MIQUELON R. France very good w/FF dialogue, 2254 1/13. (Connelly)

1377 FRANCE Lille good w/European electronic rock a la Kraftwerke 0630 and xInt w/man in FF 0716 1/13. (Connelly)

1415.8 DOMINICAN REPUBLIC HIOS Marien, Dajabon 1/9 2445 (that's what it says-CH) w/merengues, frequent ID's. The 1410-1420 range is curious... both HIOS and HIRM wander nightly up and down here. (Gleason) Also curious-HIOS is often readable here but HIRM has never been ID'ed-CH

1420 COLOMBIA HJBB R. Magdalena, Santa Marta way up on top of a rumble 0209 1/16 with an xInt ID. Not even a trace of this stn before but this time it was really doing a good job for 1 kw. (Hutton)

1422 WEST GERMANY Saarbrucken fair-good w/rock mx 0628 1/13. (Connelly)

1431 UNID male vocal-fair 0627 1/13. (Connelly)

1434.1 UNID 1/11 0154 w/political/social issues talk in SS. Loop and strength same as last week's 1428 unid. Suspect a rapid drifter, likely a Dominican, perhaps HIVG listed as 5 kw. 1428 not noted since, 1/16 noted on 1432.4. (Gleason)

1444.4 DOMINICAN REPUBLIC HILF R. Cayacoa. My mistake in putting "11" instead of 14 in front. Not 1144. Is 1444. I have a mild preference for the number 11 it seems. (Gleason) And the stn has a mild preference for the number 4 it also seems-CH

1456 HAITI Cap Haitien, La Voix du Nord ex 1465. (Schatz) Was on 1455 a few weeks ago and the 1456 stn was R. San Cristobal-is the 4V wandering??-CH

1458 ENGLAND London good w/Olivia Newton-John hit 0626 and good w/EE talk and rock mx 0714 1/13. (Connelly)

1460 VENEZUELA YVRJ R. Jardin, Bocono 2441 1/11 w/pgm "Jardin de los Recuerdos" of old style trios and romantic LA mx. Fine signal. ID and time after each record. (Gleason)

1465 ECUADOR HCXY4 R. Iris, Esmeraldas 1/9 0430 w/tropical mx. EST time checks, Argentine tangos, and ID at 0439 after live local ads. (Gleason) One of the best HC's here but rarely hrd in the rest of the US. Odd. CH

1467 MONACO Monte Carlo good w/vocal mx 0615 1/13. (Connelly)

1470 HONDURAS El Progreso R. Moderna not in San Pedro Sula. (Schatz)

1476 AUSTRIA Wien xInt w/man in CG 0624 1/13. (Connelly)

1485 UNID strong TA graveyard rumble w/no clear dominant stn 0713 on 1/13. (Connelly)

1494 FRANCE atop others w/FF talk 0712 1/13. (Connelly)

1500 HAITI P-au-P, R. Select, do not delete, on air St's only! (Schatz)

1503 POLAND (tentative) apparent Slavic talk by woman, poor-fair o/grumble 0623 1/13. (Connelly) Fair w/man in Slavic language, light vocal mx 0640-0646 1/15. Surprisingly, the best TA at the time. (DeLorenzo)

1520 PUERTO RICO WRAI San Juan (tentative) SS talk by man fair-poor w/pest WKBW faded out 1/16 2313. (Townshend)

1539 WEST GERMANY Mainflingen loud w/pop mx but in heavy WPTR QRM 0710 1/13. (Connelly)

1545 UNID LA here and on 1565, 1575, 1585, 1395, and 1425. Definite carriers on all with spots of modulation, 1/9 0400-0500. Strongest was 1395, followed by 1565. HC's very good at the time, including normally poor 1555 and 1505.3, Suspect all are HC's. 1395 probably Esmeraldas, others are uncertain. 1565 had a nice European 1 kHz het, 1575 had a European on top of it. The HC's faded at 0600 or s/off. (Gleason)

- 1550 UNID SS here weak-no sign of the Turks and Caicos stn logged by DeLorenzo-checked at 2250 1/13. (Connelly)
- 1557 FRANCE Nice good w/woman in FF 0619 1/13. (Connelly)
- 1566 UNID carrier 0950 1/11, possibly Fiji. (Tomer)
- 1578 UNID LA good w/nx followed by slow SS MoR vocal 0458-0506 1/15. ID sounded like R. Noticias, DF indicated Cuba or Central America. (DeLorenzo) An unid R. Cadena Agramonte stn was here from last summer up until at least a month ago. There's still someone here obviously, but when I tuned across it last week I happened to hear an ID that sounds like R. Camaguey, not Cadena Agramonte. I will check it out-CH
- 1584 UNID TA graveyard-many signals here pushing up to strong RF level-jumble of audio 0709 1/13. (Connelly)
- 1593 WEST GERMANY Langenberg in beautifully 0715 1/15 w/man in CC then vocals until fade-out 0730. Night seemed auroral and this was a real surprise. TA #11 (Kenneally)(Congratulatory-CH) Xlnt, killing adjacent channel domestics-big band mx blasting in at 0617 1/13. (Connelly)

Either you people really like IDXD and want to support it or somebody is trying to type me to death. Do you realize how big the column has been recently? Once again I don't have time to type up some European info that has been hlding since early December. At the rate things are going I just might be typing another 17 page IDXD soon. Report!

Bill Andres	Richmond Hill, NY	HA600, 4' loop
John Buehler	??(where u at JB?)	FRG7, Sanserino loop
Mark Connelly	W. Yarmouth, Mass.	R390A, R. West loop
Marc DeLorenzo	Centerville, Mass.	HQ100, SM1
David Gleason	San Juan, PR	DA33, Dymek antennas
Bill Harang	San Jose, Ca.	TRF
Bill Hardy	Aberdeen, Wa.	FRG7, SM1
Chuc Hutton	Decatur, Jawjuh	R390A, 1900' Beverage
Rick Kenneally	Cincinnati, Ohio	DX160, TRF, SM2, CB antenna
Randy Tomer	McKinleyville, CA	HQ180A, FRG7, R. West loop, 670' Bev
Ron Schatz	Margate, Fla.	R388, ??
Bill Townshend	Washington DC	TRF
Gerry Thomas	Pensacola, Fla.	FRG7 (modified), box loop, digital dial
Hank Wilkinson	Santa Rosa, Ca.	HQ180, SP600, Sanserino loop

Continued from front page

\*\*\*\*NOTES FROM HQ is found on page 28\*\*\*\*

## CPC TESTS

- February 19 Monday WDBQ-1490 Dubuque, Iowa. 0300-0400 with 1 Kw non-directional. Will include tones, IDs and DX chatter. Special DXers Hotline is (319) 583-3322, prepaid calls only. Reports to Lloyd Berg, CE, WDBQ Radio, 1170 Iowa St., Dubuque 52001. Arr: Bruce Renaud, GWDXA, who will be at the station during test.
- February 26 Monday KUKU-1330 Willow Springs, Mo. 0230-0300. Will include music, tones and voice IDs. Prepaid calls to (417) 469-2500. Reports to Lou Wehmer, Engineer, WDFOC, KUKU Radio, Box 250, Willow Springs, Mo. 65793. Arranged: Skip Dabelstein.
- February 26 Monday KRZD-1470 Wray, Col. 0300-0330. We expect they'll use music and tones with frequent voice IDs. Reports to Maynard Meyer, CE, WAØKNP, KRZD Radio, Wray, Colorado 80758. Arr: Dabelstein.

## THEY JOINED

Welcome! Muse soon.

- University of Manitoba DX-SWL Club, Room 517, Box 131, University Center Building, Winnipeg, Manitoba R3T 2N2 (re-joins)
- Ramon J. Gordillo, Apartado Postal #27-641, Mexico 7, D.F. Mexico
- Charley Hoffman, P.O. Box 321, Manheim, Pennsylvania 17545
- Daniel C. LeVine, WA1ZBK, Box 7047, Graduate Residence Halls, Brown Univ., Providence, R.I. 02912
- Stephen R. Nordstrom, USS R.E. Byrd (DDG 23), FPO New York 09501
- David Rukakoski, R.R. #1, Box 409, Brooklyn, Connecticut 06234
- David R. Sedgely, 6930 South Knolls Way, Littleton, Colorado 80122
- Rudolph Turner, 614 Franklin Avenue, Ellwood City, Penna. 16117
- Allan W. Erdmann, 108 West Harper St., Snow Hill, N.C. 28580 (re-join)
- Brian Bursack, 3809 Lindhurst Road, Columbus, Ohio 43220

## SUPERMODULATION

and Effects on DXing

Steve Kennedy

Often while reading of the DXing experiences of many of those who enjoy DXing the medium wave band, there is the reference to the "local pest" who runs a 5 Kw transmitter with a modulation level of +125%. With the possible approval of AM-Stereo around the corner, it is appropriate to look into the AM modulation process, and explore the effects it has on distant AM reception.

Current FCC regulations state "In no case shall it (modulation) exceed 100 percent on negative peaks of frequent occurrence, or 125 percent on positive peaks at any time." (FCC Reg 73.55) In light of this rule, many AM stations are operating with modulation levels which are generally +115 to 120 percent. Under the old rules an AM transmitter was restricted to 100% maximum modulation, which really meant the average program modulation was usually 85%. The extra 30 to 35% modulation means an extra 3-4 db of extra audio punch which can add almost 25% to the station's coverage area.

This brings up a question in the DX community: Why is all that extra modulation necessary? The answer to this is simply because of the competitive nature of U.S. radio. Recent developments in transmitter design and technology permits higher modulation levels. In areas where there are several stations, there is keen competition for listeners, and the philosophy of many rock program directors is "Louder the Better"; in other words the station is taking every advantage to be heard. The major equipment manufacturers of broadcast equipment recognize this, and help out with new designs which permit the high modulation levels without violating FCC regulations. Incidentally, high level modulation, or supermodulation, is not limited to stations which use fairly new modern equipment; stations using older equipment use it too - with rather simple modifications to the transmitter, and a specialized amplifier which is an audio limiter and AGC amplifier combined to bring levels up to maximum modulation.

With the advent of AM-Stereo, the interference problem may increase to such an extent that DXing the split frequencies may be almost impossible, if it isn't under the present usage of supermodulation. Since the FCC has not yet acted upon which system it will permit with AM-Stereo, it is not yet clear as to what effects it may have on DXing. However, under present rules it is possible for an AM transmitter to transmit wide-band audio from 30 to 15,000 hertz - audio which is considered high fidelity, and was, until a few years ago, only possible on FM. FCC regulations restrict emission of any audio signal above 15 KHz in AM transmitters. AM-stereo will probably require a wide-band audio system in the transmitter. The present wide-band audio systems which are in use, permit an AM signal that is about 30 KHz wide...enough to make reception of adjacent stations difficult. When the FCC authorizes construction of new AM stations, it takes into consideration the frequency separation of stations in nearby communities to avoid interference. It is possible to space stations 60 KHz apart, and 30 KHz from stations in the fringe area of the proposed station. Because of this, it is permissible for an AM station to employ "Hi Fi" audio.

One of the most common, often heard complaints of AM high fidelity buffs is the poor quality of AM audio. In most cases it is not the station's fault, it is the poorly designed AM receivers in most AM-FM-Stereo systems. The audio is limited by the use of IF transformers or ceramic filters which have a bandwidth of only 5 KHz. This type of selectivity is fine for domestic DXing, but does not improve the audio for the hi fi buff. Another factor is the antenna systems used in AM broadcasting.

Antennas used for an AM station consist of steel towers which are electrically cut for the frequency of the station. Most broadcast transmitters operate with an output impedance of 50 ohms into a coaxial line. Since the antenna tower is anywhere from .25 to .625 wave in height; the impedance may be anywhere from 20 to 500 ohms. In addition, there are effects of capacitance from the ground system, and some inductance effects from the tower itself. Since maximum power transfer occurs when impedances are matched, an antenna coupler is employed. Most antenna couplers used in AM broadcasting use a coil and a capacitor to match the transmission line to the tower. The coil and capacitor work as a LC tuned circuit, and affect the Q of the antenna circuit. (Q is the quality factor of the circuit--Editor).

Whenever an antenna system is designed, and set up for an AM station, it is designed for the carrier frequency. Because of this, it can have considerable Q, and can have some effects on the audio quality. An interesting fact is that AM vertical antennas are more efficient on frequencies adjacent to the one it is operated on. Below the carrier frequency, the impedance of the antenna rises quickly...often enough to attenuate the high frequency components of the lower sideband!

A properly received AM signal requires the carrier to be in the center of the receiver's IF passband. In most receivers, the attenuation of part of the signal's sidebands at the station's antenna is not easily noticed, and causes only a slight distortion of the detector's audio. It should be noted here that in order for an AM-Stereo station to work properly; in theory the antenna must be wide band to permit both sidebands to be radiated effectively. Problems with antenna bandwidth are compounded when the station is a directional station, using 3 or more towers.

The Q of the antenna system may in effect be a blessing to the MW DXer. This is particularly true of stations which are distant enough for the DXer who lives in the primary coverage area of the station to hear others on adjacent channels. The Q effect becomes quite pronounced at great distances, as often the sideband frequencies about 4 KHz or higher do not have the energy as those closer to the carrier.

An interesting question to raise here is why are MW stations in Region 2 (The Americas) allocated to channels every 10 KHz, and why the rest of the world is using a 9 KHz plan? The reason for this is quite simple. In most countries, the maximum modulation permitted by law is still 100%. Amazingly enough, there are transmitters operated by European stations which actually sound better than many U.S. stations. The key to all of this is that there is an agreement to operate the transmitter with not more than 85% modulation! In the design of an AM transmitter, there is more distortion as the modulation level is increased. Most AM transmitters have rather low distortion at 75% modulation or less, usually 1/2% or less. The lower modulation levels in foreign based stations is made up in much higher transmitter power.

What does this all mean to the MW DXer? What can be done about it? First off, the increased modulation levels or supermod means that there will be more interference as the next few years pass. This is not so much because of NSP stations, but because of the excessive modulation employed. As pointed out earlier, most AM antennas have a sharp high Q; this will limit the excessive splatter somewhat. However, when AM-Stereo is approved; those stations which will convert will either employ an antenna system which will permit wide-band audio, or possibly use a "multiplex" type system which will cause heterodyne problems. If a "multiplex" system is used, it will involve FMing the carrier with the stereo information. This may cause a slight buzz or hum in the receiver whenever another station is audible on the same frequency.

The only way to combat the interference problem is to use a selective receiver, a loop antenna, and possibly a location where there are no local stations. If the MW DXer lives in a major metropolitan area, he or she might do well to live in an area which is not close to an antenna farm. Or, better yet, obtain portable, battery operated equipment and go on regular DXpeditions. Most importantly, is to have a selective receiver and a good loop antenna...one with sharp Q.

With the changes which are going on in the FCC rules, and the relative ease in getting an AM station on the air; there is a possible chance in the next 10-20 years the MW band will reach the saturation point with present and future stations. Since the MW DXing hobby is only a minute segment of the domestic listening audience, there will be little, if any, interest in attempting to reduce interference. One interesting fact of life is the usual AM listener will listen to the strongest, interference-free station he or she can hear with an insensitive receiver. What the DXer would consider a good frequency for DX, may be just another station in the jumble of stations. Could the entire MW band become like the graveyard channels? Time will tell! It can mean the future of the MW DXing hobby as we know it! Either the DX hobby will find a better way or unfortunately become non-existent!

ELLIOTT STRAUS

ALABAMA

all 6:30 P.M.  
ex. (6:45)

Mobile  
Prichard

ARKANSAS

all 6:45 P.M.  
ex. (7 PM)

Arkadelphia  
Berryville  
Camden  
Clarksville  
Dardanelle  
De Queen  
El Dorado  
Fayetteville  
Ft. Smith  
Hope  
Hot Spgs.  
Magnolia  
Malvern  
Nashville  
Ozark  
Paris  
Prescott  
Rogers  
Russellville  
Siloam Spgs.  
Springdale  
Texarkana  
Van Buren

CONNECTICUT

all 5:30 P.M.  
ex. (5:15)

Groton  
Hartford  
Manchester  
Middletown  
New Britain  
New London  
Norwich  
Old Saybrook  
Putnam  
W.Hartford  
Willimantic  
Windsor

DELAWARE

all 5:45 P.M.

DIST. COL.

all 5:45 P.M.

FLORIDA

all 6:15 P.M.  
ex. (6:30 P.M.)

Elountstown  
Chattahoochee  
Chiefland  
Clearwater  
Crestview  
Dunedin  
Marianna  
Milton  
Panama City  
Pensacola  
Pt. St. Joe  
Quincy  
Tallahassee  
Valpariso

GEORGIA

all 6:15 P.M.  
ex. (6:30)

Bainbridge  
Blakely  
Bremen  
Carrolltown  
Cedartown  
Columbus  
Cuthbert  
Donalsonville  
La Grange  
Lafayette  
Rockmart  
Rome  
Rossville  
Rome  
Summerville  
Tallabossa  
West Point

ILLINOIS

all 6:30 P.M.  
ex. (6:15)

Chicago  
Cicero  
Elmhurst  
Evanston  
Highland Pk.  
La Grange  
Oak Pk.  
Waukegon  
Zion

ex. (6:45)

Carthage  
Pittsfield  
Quincy

INDIANA

all 6:15 P.M.  
ex. (6:30)

Bedford  
Boonville  
Erazil  
Corydon  
Evansville  
Jasper  
Linton  
Paoli  
Princeton  
Sullivan  
Tell City  
Terre Haute  
Vincennes  
Washington

IOWA

all 6:45 P.M.  
ex. (6:30)

Clinton  
Davenport  
Decorah  
Dubuque  
Maquoketa  
Oelwein  
Waukon

ex. (7 P.M.)

Council Bluffs  
Le Mars  
Red Oak  
Shenandoah  
Sioux City

KENTUCKY

all 6:15 P.M.  
ex. (6:30)

Benton  
Bowling Gr.  
Cadiz  
Central City  
Elkton  
Franklin  
Fulton  
Hardinsburg  
Hartford  
Hainesville  
Henderson  
Hopkinsville  
Leitchfield  
Madisonville  
Marion  
Mayfield  
Morganfield  
Morgantown  
Murray  
Paducah  
Princeton  
Russellville  
Scottsville

LOUISIANA

all 7 P.M.  
ex. (6:45)

Amite  
Bastrop  
Baton Rouge  
Bayou Vista  
Bogalusa  
Covington  
Denham Spgs.  
Ferriday  
Franklinton  
Garyville  
Golden Meadow  
Gonzales  
Gretna  
Hammond  
Houma  
Jonesboro  
Lake Prov.  
Monroe  
Morgan City  
New Orleans  
New Roads  
Oak Grove  
Pt. Sulphur  
Rayville  
Slidell  
Tallulah  
Thibidoux  
W.Monroe  
White Castle  
Winnsboro

MAINE

all 5 P.M.  
ex. (5:15)

Auburn  
Biddeford  
Lewiston  
Portland  
Rumford  
Sanford  
S. Paris  
Westbrook

MARYLAND

all 5:45 P.M.

MASSACHUSETTS

all 5:15 P.M.

MICHIGAN

all 6 P.M.  
ex. (6:15)

Albion  
Battle Creek  
Benton Harbor

MICHIGAN

6:15 P.M.

Big Rapids  
Cadillac  
Charlotte  
Coldwater  
Dowagiac  
Escanaba  
Fremont  
Grand Haven  
Grand Rapids  
Greenville  
Hancock  
Hastings  
Hillsdale  
Holland  
Houghton  
Ionia  
Iron Mtn.  
Iron R.  
Ironwood  
Ishpeming  
Kalamazoo  
Keweenaw  
Ludington  
Manistee  
Manistique  
Marquette  
Munising  
Muskegon Hgts.  
Niles  
Otsego  
Portage  
Rochford  
S. Haven  
St. Joseph  
Sturgis  
Three Rivers  
Whitehall  
Wyoming

MINNESOTAall 6:45 P.M.  
ex. (6:30)

Aitkin  
Cloquet  
Duluth  
Ely  
Eveleth  
Grand Rapids  
Hastings  
Hibbing  
Int. Falls  
Pine City  
Red Wing  
Rochester  
Stillwater  
Virginia  
Wabasha  
Winona

MISSISSIPPIall 6:45 P.M.  
ex. (6:30)

Aberdeen  
Amory  
Boonville  
Columbus  
Corinth  
Fulton  
Grenada  
Luka  
West Point

MISSOURIall 6:45 P.M.  
ex. (7:00)

Aurora  
Butler  
Carthage  
El Dorado Spgs.  
Joplin  
Maryville  
Monette  
Neosho  
Nevada  
S.W. City  
St. Joseph

NEBRASKAall 7:00 P.M.  
ex. (7:15)

Ainsworth  
Alliance  
Broken Bow  
Chadron  
Cozad  
Holrege  
Kearney  
Lexington  
McCook  
North Platte  
Ogallala  
Valentine

ex. (7:30)

Kimball  
Scottsbluff  
Sidney  
Terrytown

NEW HAMPSHIRE

all 5:15 P.M.

NEW JERSEY

all 5:30 P.M.

NEW YORKall 5:30 P.M.  
ex. (5:15)

Plattsburgh  
Ticonderoga

NEW YORK

ex. (5:45)

Amherst  
Batavia  
Bath  
Brookport  
Buffalo  
Canandaigua  
Cheektowaga  
Corning  
Dunkirk  
Elmira  
Fredonia  
Hornell  
Horseheads  
Jamestown  
Lancaster  
Lockport  
Olean  
Rochester  
Salamanca  
Warsaw  
Wellsville

NORTH CAROLINAall 6:00 P.M.  
ex. (5:45)

Ahoskie  
Beaufort  
Edenton  
Eliz. City  
Farmville  
Greensboro  
Greenville  
Havelock  
Hugo  
Jacksonville  
Kinston  
Morehead City  
Murfreesboro  
New Bern  
Plymouth  
Roanoke Rps.  
Rocky Mt.  
Scotland Neck  
Tarboro  
Warrenton  
Washington  
Weldon  
Williamston  
Wilson  
Windsor

ex. (6:15 P.M.)

NEW YORK

Black Mtn.  
Ereyard  
Bryson City  
Burnsville  
Canton  
Forest City  
Franklin  
Hendersonville  
Macon  
Murphy  
Rutherfordton  
Spruce Pine  
Sylva  
Tryon

OHIOall 6:00 P.M.  
ex. (6:15)

Bellefontaine  
Bryan  
Celina  
Chillicothe  
Cincinnati  
Dayton  
Defiance  
Eaton  
Fairfield  
Hamilton  
Hillsboro  
Ironton  
Lima  
Middletown  
New Boston  
Piqua  
Portsmouth  
Sidney  
Springfield  
Van Wert  
Wash. C.H.  
Waverly  
Wilmingon  
Xenia

OKLAHOMAall 7:15 P.M.  
ex. (7:00)

Atoka  
Bartlesville  
Claremore  
Cushing  
Henryetta  
Holdenville  
Hugo  
Idabel  
Mc Alester  
Miami  
Muskogee  
Pawhuska  
Ponca City  
Poteau  
Fryor  
Sallisaw  
Sand Spgs.  
Sapulpa  
Tahlequah  
Tulsa  
Vinita  
Wewoka

ex. (7:30)

Guyamon

PENNSYLVANIAall 5:45 P.M.  
ex. (5:30)

Allentown  
Bethlehem  
Carbondale  
Doylestown  
Easton  
Hazleton  
Honesdale  
Lansdale  
Lansford  
Lehighton  
Levittown  
Montrose  
Nanticoke  
Philadelphia  
Phoenixville  
Pittston  
Pottstown  
Scranton  
Stroudsburg  
Towanda  
W. Chester  
Wilkes-Barre

ex. (6:00)

Ambridge  
Beaver Falls  
Bradford  
Brownsville  
Canonsburg  
Carnegie  
Charleroi  
Connellsville  
Farrell  
Greenville  
Grove City  
New Castle  
Pittsburgh  
Sharon  
Washington  
Waynesboro

RHODE ISLAND

all 5:15 P.M.

SOUTH CAROLINAall 6:00 P.M.  
ex. (6:15)

Abbeville  
Aiken  
Allendale  
Anderson  
Barnwell  
Batesburg  
Belton  
Burnettown  
Clemson  
Clinton  
Easley  
Fountain Inn  
Gaffney  
Greenville  
Greenwood  
Greer  
Hampton  
Johnston

SOUTH CAROLINA

6:15 P.M.

Laurens  
Newberry  
N. Augusta  
Pickens  
Ridgeland  
Seneca  
Spartanburg  
Travelers Rest  
Union  
Walhalla  
Woodruff

TENNESSEEall 6:30 P.M.  
ex. (6:15)

Alcoa  
Athens  
Benton  
Eristol  
Church Hill  
Cleveland  
Clinton  
Cookeville  
Copper Hill  
Elizabethton  
Englewood  
Erwin  
Etowah  
Greenville  
Harriman  
Jamestown  
Jefferson City  
Jellico  
Johnson City  
Jonesboro  
Kingsport  
Knoxville  
La Follette  
Lenoir City  
Madisonville  
Maryville  
Morristown  
Mtn. City  
Newport  
Oak Ridge  
Oneida  
Pikeville  
Rockwood  
Rozersville  
Soddy Daisy  
Sweetwater  
Tazewell  
Wartburg

ex. 6:30

Amarillo  
Andrews  
Ballinger  
Big Lake  
Big Spg.  
Borger  
Erdy  
Brownfield  
Canyon  
Carizzo Spgs.  
Childress  
Coleman  
Colo. City  
Crane  
Dalhart  
Del Rio  
Dimmitt  
Dumas  
Eagle Pass  
Edinburg  
Falfurrias  
Farwell  
Floydada  
Hereford  
Hondo  
Junction  
Kermit  
Kenville  
Lamesa

Collierville  
Covington  
Memphis  
Millington  
Ripley

TEXASall 6:15 P.M.  
ex. (6:00)

Atlanta  
Beaumont  
Carthage  
Center  
Clarksville  
Cleveland  
Dainzerfield  
Liboll  
Galveston  
Gilmer  
Gladewater  
Harlingen  
Hemphill  
Henderson  
Jacksonville  
Jasper  
Kilgore  
Liberty  
Livingston  
Longview  
Lufkin  
Marshall  
Mineola  
Mt. Pleasant  
Nacogdoches  
New Boston  
Orange  
Paris  
Pt. Arthur  
Pt. Neches  
Rusk  
Silsbee  
Sulphur Spgs.  
Texarkana  
Texas City  
Tyler  
Woodville

Laredo  
Levelland  
Littlefield  
Lubbock  
McAllen  
Memphis  
Merkel  
Midland  
Mission  
Monahans  
Morton  
Muleshoe  
Odessa  
Pampa  
Fearsall  
Plainview  
Pleasanton  
Post  
Halls  
Raymondville  
San Angelo  
Seminole  
Slaton  
Snyder  
Sonora  
Stamford  
Sweetwater  
Tulia  
Uvalde  
Westlaco  
Winters

ex. 6:45

Alpine  
El Paso  
Ft. Stockton  
Pecos

VERMONT

all 5:15 P.M.

VIRGINIAall 5:45 P.M.  
ex. (6:00)

Abington  
Altavista  
Amherst  
Appomattox  
Bassett  
Bedford  
Blacksburg  
Brookneal  
Chase City  
Chatham  
Christianburg  
Churchville  
Clifton Forge  
Collinsville  
Covington  
Lanville  
Galax  
Gretna  
Grundy  
Harrisburg  
Hillsville  
Lebanon  
Lexington

VIRGINIA6:00 P.M.

Lynchburg  
 Marion  
 Martinsville  
 Narrows  
 Pulaski  
 Radford  
 Richlands  
 Rocky Mt.  
 Salem  
 S. Boston  
 Staunton  
 Stuart  
 Tazewell  
 Vinton  
 Waynesboro  
 Wytheville

ex. 6:15

Big Stone Gap  
 Bristol  
 Clinchco  
 Gate City  
 Norton  
 Pennington Gap

WEST VIRGINIA

all 6:00 P.M.  
 ex. (5:45)

Berkeley Spgs.  
 Charles Town  
 Fisher  
 Keyser  
 Martinsburg

WISCONSIN

all 6:30 P.M.  
 ex. (6:15)

Antigo  
 Appleton  
 Eagle R.  
 Fond du Lac  
 Green Bay  
 Hartford  
 Jackson  
 Kaukauna  
 Kenosha  
 Manitowoc  
 Marinette  
 Milwaukee  
 Neenah

WISCONSIN

6:15 P.M.

Oconto  
 Oshkosh  
 Plymouth  
 Pt. Washington  
 Racine  
 Rhinelander  
 Shawano  
 Sheboygan  
 Sturgeon Bay  
 Two Rivers  
 Waukesha  
 Waupun  
 West Allis  
 West Bend

National Radio Club  
 P. O. Box 32125  
 Louisville, KY 40232

5 East Main St.  
 Thompsettown, PA 17094  
 22 January 1979

Gentlemen:

The AM station at which I work is endeavoring to improve it's signal. We have put quite a lot of work into this task, and we are beginning to see results.

Several years ago, WJUN, Mexico, PA, was asked to provide an "experimental" program for an NRC group. Many letters were received, reporting the reception to be excellent--as well it should be on a clear channel at night! However, the questionable legality of this practice was pointed out to the management, and since then, the management has discouraged sending out QSL's.

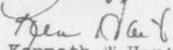
About a year ago, WJUN was sold to new management, who began making changes in the broadcast quality. My staff and I put in many hours during the "experimental" period, and recieved a few reports. The new management has taken the stand that any reception reports which include return postage will be answered by the engineering staff promptly.

I would very much appreciate it if your magazine would publish that, while we are not soliciting DX reports (that's in violation of the R&R), we will respond to any and all correct reports, with a personal letter from the engineer.

Also, we occasionally conduct experimental broadcasts for the purpose of calibrating our equipment. While these broadcasts are not scheduled, I always run them on a Friday night. And, I like to get home, so I always begin them promptly at midnight. It usually takes one and a half hours to complete calibration. Again these broadcasts are not scheduled--that's a violation.

I would be interested in hearing about some of the technical items published by NRC pertaining to radio broadcasting.

WJUN Radio - 1220 khz  
 Mexico, PA 17056

Sincerely,  
  
 Kenneth W Hart,  
 Chief Engineer, WJUN

2873 Beechwood Blvd.  
 Pittsburgh, Pa. 15217

January 2, 1979

The Federal Communications Commission  
 Washington, D. C. 20554

Attention: The Commissioners

Gentlemen:

I am highly concerned with regard to proposals (just announced in the local papers) to eliminate the concept of high-power, clear channel AM stations.

My comments are as a private citizen knowledgeable in the radio field but not connected in any way with the broadcasting industry.

The pursuit of your plan will eventually lead to the demise of all AM broadcasting since if one starts with the premise that AM should be limited to local areas then technically superior FM should be preferred.

Long distance coverage from dusk through dawn is unique to the AM band; this utility would be lost without some clear channels.

I believe the FCC has a very good mix of local and long-range channels. Your proposal does not take into consideration that segment of the American public that now is not only more mobile but desiring information and entertainment from distant areas.

Let me list features of American AM broadcasting that would be destroyed:

1. The concept of clear channel stations offers a selectable variety of special programming that requires too much of a capital investment for a limited range and audience station to carry. Typical examples in the Pittsburgh area includes features not available on local AM, FM or TV.
  - concerts (WQXR)
  - special musical selection (WGN, popular classical)
  - historical documentaries (WJR)
  - sports events
2. This programming is available throughout the night when most local FM and TV stations are silent.
3. It is of great value to monitor ones "home-town" area when away such as for students, servicemen, business and vacationers. Conversely, it is informative to be advised directly of conditions at ones destination.
4. By adding more stations to the "clear channels", the resulting areas of interference would be huge, rendering these frequencies useless to an even larger number of potential listeners.
5. When traveling by car, the present stronger distant clear channel stations can generally be tuned for long periods of time, whereas local broadcasts pass in and out and offer little of general interest.
6. This distant reception capability is already available to the public at a very modest cost. More crowding would be expensive since more investment in equipment and antennas would be needed to even approach what is easily heard now.
7. A large number of people work odd shifts and thus have listening time when their local AM, FM and TV stations do not broadcast. To these people, the many distant AM channels are of great value.

Letter concludes bottom of next page

## CHARLES H. ETHERIDGE

326 EDGEWOOD ROAD  
FOREST HILLS, PA. 15221

January 3, 1979

Federal Communications Commission  
Broadcast Bureau  
1919 M Street N.W.  
Washington, D.C. 20554

Dear Chairperson:

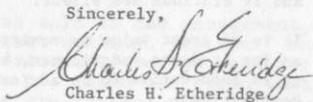
I am responding to the FCC proposal to eliminate the clear channels on the AM broadcast band and wish to enter the following into the public hearings to be held on this matter.

The clear channels reserve a small portion of the total radio frequency spectrum from crowding and interference much like the National Park Service has reserved a small portion of the total U.S. land area for limited use. These limitations do more than preserve pristine specimens for future study by following generations. They are enjoyed in the present because they allow alternate activities that would otherwise be impossible if these areas were not special.

The clear channels likewise allow the public to enjoy activities that otherwise would be impossible. Through them the average citizen using even the most modest radio can receive long distance communications. This activity may be a hobby for a teenager. This activity may be the getting of advance information, news and weather by a traveler. This activity may mean keeping in touch with hometown or homestate events by a transplanted serviceman, college student or business person. This activity may mean the enjoyment of special programming such as interviews, sports coverage, concerts, etc. that otherwise would not be broadcast because of the reduction in the significance of the stations now broadcasting them, as they are downgraded from clear channel to a more regional status. All of these activities will suffer interference or be excluded by the elimination of the clear channels, and like the national parks, if they are given up now they will never be retrieved.

I hope you will see the wisdom of expanding the regional broadcasting on the FM band which is more suited for this activity and protect in perpetuity the clear channels on the AM band.

Sincerely,



Charles H. Etheridge

CC: Senator Richard Schweiker  
Senator John Heinz  
Congressman William Moorehead

continued from page 25

8. A moral question arises in imposing restrictions on pioneer stations that have initiated no harm to others - but rather have given great enjoyment and service.

Please advise me of any hearings for public participation that might be available on this subject.

Very truly yours,



Herbert Heller

## RADIO WEST LOOP VS. THE SM-2

Mark Connelly, WALION

This is a comparison of the new MW-1 loop against the popular, older design SM2. Considerations of interest to the DXer are the following:

1. Sensitivity
2. Frequency range covered
3. Nulling
4. Tuning sharpness/ selectivity of the preamplifier
5. ease of operation/physical construction of loop

Now on to the tests:

1. Sensitivity was checked using my R390A receiver and 5 selected local stations. The signal was peaked up on the SM2 & receiver antenna trimmer. The RF gain was then set for a mid-scale (50 db. over zero, or an "S9" reading). Then the MW1 was peaked (after removing the SM2 & connecting the MW1, of course) and the trimmer retweaked for peak level. The meter reading with the peaked MW1 was noted against the normalised 50 db. level for the SM2. Here are the results:

WEEI - 590	MW-1 3 db over SM2
WHDH - 850	MW-1 3 db over SM2
WBZ -1030	outputs equal
WEZE -1260	SM2 5 db over MW-1
WITS -1510	SM2 12 db over MW-1

A usable-sensitivity test, taking into account desired signal versus noise & off-frequency splatter, was done by tuning in Italy on 1332 around 0530 GMT after local WHET had gone off. The signal was S9+10 on the SM2 on peaks and S9 on the MW-1, receiver RF gain up to full. The SM2 signal had slightly more hiss, also splatter seemed to be a little worse. The MW-1, overall, had a slight edge in desired-signal audio clarity.

2. The frequency range covered by the SM2 is the American broadcast band only. With the MW coil, my MW-1 could cover 360 - 540 kHz. on the "LOW" frequency switch position and about 500 - 2000 kHz. on the "HIGH" position. I used a Westinghouse RBM3 LW receiver for this test.

3. On nulling it was hard to judge which was better. Both antennas could achieve nulls of considerable depth on groundwave and long-skip signals. Both were relatively ineffective on powerful high-angle short-skip stations like WPTR - 1540 & CKLM - 1570. The MW-1 seemed to null over a slightly wider position swing than the SM2. The MW1 should be held by the end of the ferrite rod when tilting in a vertical plane; a null may change when the hand is removed. This hand-effect is really no worse than that experienced when using the SM2, however.

4. Tuning sharpness - a measure of how much adjacent stations will be down at a retune of the loop to the desired station. I used a Palomar Engineers crystal calibrator to inject signals every 5 kHz. into the antenna. The calibrator was positioned in the lobe of antenna pickup, about a foot from the loop. The "desired station" was peaked at 50 db with the R390A RF gain about mid-position. Then carriers on  $\pm 5$  kHz. (a typical split) and  $\pm 20$  kHz. from the desired frequency were peaked up; then the strength of the centre frequency was re-measured. Numbers noted are the db difference between the centre frequency signal when peaked on its own frequency versus its strength when peaked on the aforementioned adjacent carriers.

Frequency	Db differences				
	-5 kHz.	+5 kHz.	-20 kHz.	+20 kHz.	
600	15	17	38	42	MW-1
	13	15	38	40	SM2
800	10	12	37	40	MW-1
	6	9	29	30	SM2
1000	3	8	19	20	MW-1
	6	8	23	24	SM2
1200	2	3	10	8	MW-1
	10	9	23	24	SM2
1400	2	3	5	8	MW-1
	3	4	23	24	SM2
1600	1	1	3	3	MW-1
	5	2	18	19	SM2

The above figures give the SM2 the edge in sharpness from 1000 kHz. up; below 1000 kHz. the LW-1 has a slight edge. Taking this result plus the sensitivity test into account, it is evident that the LW-1 is a better low-band performer & the SM2 does better above 1000 kHz.

5. Other considerations: The battery clip on the LW-1 may not always hold the battery in place - a bottom plate under the battery would remedy this. The LW-1's wooden base is convenient for mounting a good compass (Silva or other types). You might want to epoxy a piece of wood or G-10 epoxy glass to one end of the LW-1 ferrite rod so you can tilt the loop without touching the rod. SM2 owners may also find that if they epoxy wooden extensions on the shielded case, hand effects on nulling can be significantly reduced. Nulling ability of the SM2 is not greatly effected by the surface upon which it is placed; however, the LW-1 does not null well if it is placed on a metal surface - I found it necessary to use a wooden table for the SM2 versus LW-1 tests. Radio West make it clear in their instructions that the LW-1 should be placed away from large metal objects.

In conclusion, the differences between the two loops are fairly subtle; each has its advantages and disadvantages. This analysis may help to sway DXers to one antenna or the other; which one is selected will be based on personal requirements. You pay a little more for the LW-1, but for this you get the capability to change coils and cover down to 150 kHz. and up to 5 MHz. For another opinion on commercially-available ferrite loops, consult Mike Sapp's recent article in the IRCA DX Monitor.\* Please keep the following in mind: these tests were done with just one LW-1 and one SM2. Characteristics of the antennas are not deemed to be held to such a tight military-style consistency that tests run with other LW-1's and SM2's could be expected, a priori, to yield the same results. What is needed would be further testing by other DXers, so overall patterns could be discerned.

\* DX MONITOR, June 10, 1978, pages 517-518.

#### NOTES FROM HQ:

Pat Hartlage, Secretary

AN ADDITION to the schematic which appeared in DX News last week (#14). On page 31 I left off the type designation for the transistor on the right. It is listed on Brian Sherwood's draft as an HEP 51. Sorry.

BACK ISSUES which were offered in early January will start going into the mail by the time this hits print. Postcards will be sent to those to whom back issues could not be furnished.

SOLAR ECLIPSE on Monday, February 26 should provide a rare opportunity for real daytime DX. The ANARC Newsletter says the 200-mile wide totality path will run through Portland, Oregon, Idaho, Montana & North Dakota, plus adjacent areas in Canada. A partial eclipse will occur throughout the rest of the U.S. and Canada. It will start about 10:30 Eastern Time.

A SINKING SHIP? The Washington Star for Jan. 21, 1979 reports the 5-man crew of the pirate ship Mi Amigo were rescued by lifeboat in stormy seas off the coast of England. The 274-ton ship appeared to be sinking yesterday (1/20) after being hit by gale-force winds and after its pumps broke down, causing the ship to take on water. From a clip sent in by Perry Crabill. Thanks.

RECOGNITION should be given Gary Atkins for his time and efforts. This is being typed after the publishing session so I can sneak in a few nice words. We're lucky that Gary has willingly given freely of his time over these many months for NRC. In addition to performing the sometimes mind-boggling task of keeping the mailing list accurate, Gary not only picks up the bulletins from the printer, he single-handedly puts 750 labels on them and delivers them for mailing to the main post office across town. Thanks Gary!

CLIPS are always wanted. Some papers use almost minute type, and blurry at that, which won't work out when we try to use the clips. We'll use what we can so please keep sending them in. If you photocopy an article or clip, please try to use a good copy machine. We are currently retyping an excellent article which was submitted as a clip, so please help us save some time and effort by taking care with the material submitted. One final reminder, we use 8 x 14 paper for masters. If you submit an article for publication please try to use the legal paper. If it is not available letter size is OK because we can cut and paste.

LPC thanks those who have recently contributed to DX News. Keep up the good work.

Pat

## MUSINGS

ERNEST R. COOPER  
5 ANTHONY STREET  
PROVINCETOWN, MASS. 02657

The opinions expressed in this column are those of the individual members, and do not necessarily reflect those of the editors, publishers or NRC.

#### DIS-A AND DATA

WAYNE MURPHY - 270 Tampa Drive - Apt. D-7 - Nashville, Tennessee - 37211

Hi there. Since I don't have much DX to report, I'd just like to say something about "dis, dat, & de other tink" (not necessarily in that order). I think the monthly s/off timetables are a great supplement to the old SRS/SSS maps, & maybe even does them one better. It is especially helpful in resolving the old "which side of the line is on?" dilemma, as well as the problem that you don't always know where-in-the-heck every little hick town you hear is (like West Orange, N.J. for example, hi). I had always solved this problem by using my copy of the Canadian Day-pattern book in conjunction with the maps, except that the geographic locations in the book are often not accurate (one of the Tampa stations was shown as being located on the East Coast of Florida.) I don't know what could cause discrepancies between FCC-determined s/off times & actual, but I remember at least one instance a few years back where a station, I believe in Illinois, had s/on & s/off times that were off as much as 30 minutes. It turned out that when the FCC had issued the station license, it had given them the times for a town of the same name in a neighboring state! Or can we forget stations like WOKI-1550, who often put in more time on the air than some fulltimers, or WSLM-1220, who consistently is on 15-30 minutes late. I don't think the maps or the tables can account for such discrepancies. Anyway, re this year's CPC TEST sked (or lack of same) I am upset, but not alarmed. I suppose I am as guilty as anyone, since I haven't written a CPC letter in three years. But the TESTS seem to come in on-again, off-again spurts, & this may be, if not a good thing, at least understandable. TEST arranging is not the most rewarding effort in the hobby, & few have the time, interest, effort, & postage to keep at it for more than a season or two. Another factor is that many of the stations that do a special for us may also have done one five years or so before (sometimes less). Assuming a couple of years of heavy testing, the supply of available stations can diminish rapidly. This may seem ridiculous (shortage of stations), but consider the high percentage that can't or won't TEST under any circumstances, stations nobody needs, stations that are so isolated on crowded channels that a TEST is a waste of the CE's time. With the high degree of luck involved, the sometimes shortage of CPCers, etc. you can expect some bad years. I'll go out on a limb and predict another banner season within the next three years. I'm near the limit, so I'll save other gab until the next time. 73.

#### MORE GOOD SOUTHERN LOGGINGS

DICK TRUAX - 3003 Gleason Lane - Louisville, Kentucky - 40299

DX keeps slipping in here so I guess I should Muse while I can. Going back a bit to 12/14, WOHL-1320 O. w/ID & NX @ 11:30pm, no sign of pest WKTQ. 12/16 - WBUL-1220 Ala. s/off @ 5:45pm. UnID, I presume to be HI2-730 D.R. @ 6pm w/R. Television ID & frequent mentions of "El Solido de la Capital." Any help on this one? 12/19 - R. Grenada-535 w/World Tomorrow & ID @ 8:40pm, then into OBS report. Back to MM 12/18, WJW was off again & this time I logged a R. One ID by F DJ w/pop mx @ 1:15am for JBC-700 Jamaica finally. I hope this WJW SP continues. 12/21 - H-----630 Honduras w/R. America ID @ 8:45pm killing the Cuban, what is the city on this one? 12/30 - WELF-1370 W.Va. ID on f/c @ 12:41am, then off, CMAC-1020 & CMFA-1030 Cuba both @ 6pm //, w/ R. Guama ID. 1/6 - Relatively new daytimer WBFC-1470 Ky. @ noon w/UPI NX w/local WSAC nullled. 1/7 - WUEZ-1480 Va. s/off @ 5:30pm on top of the crowd, WCRW-1530 Fla. s/off @ 5:45pm in a ten second lull in pest "CKY's mx, WABF-1220 Ala. s/off at 6:15pm w/God Bless America. 1/13 - WOLF-560 Ala. s/off @ 6pm o/WIS. Thanks to a tip from GARY ATKINS KBUF-1050 Jan. s/off @ 6:30pm, mentioned FM on 97.3, & KWOO-1560 Okla. @ 7:12pm w/ WX & ID, then tr - suddenly gone @ 7:20, evidently on late pattern change. 1/14 - WACR-1050 Miss. s/off @ 6:16pm all alone. CX the last two nights seem very Auroral but good to the West. Total logged is now 1,040, maybe we'll reach 1,100 by Spring after a late start. More as it happens.

#### OVER THE RIVER AND THROUGH THE WOODS - TO GRANDFATHER'S HOUSE HE WENT!

RICK KENNEALLY - 8132 Ashgrove Drive - Cincinnati, Ohio - 45244 513-474-1460 1/13/79  
Hello again. Lots of stuff since my last Muse. I went to my grandfather's house for Christmas. He lives near Lead Hill, Ark. (which is right near Yellville, hi). I forgot to pack my SM-2 but some wire in a tree did fine. Some notes: First, KGFL-1110 in Clinton is on w/ARN NX & CWM/ROL/T40 mx. Also, KBUG-1060 is carrying AcNX. My time was limited so that's all I could get as far as changes. One nice reception was of WIBA-1310 Madison, Wis. @ 3pm CST. I hope everyone got what they wanted for Christmas! I got four copies of QST, two from around 1939, and two from around 1916! Now I can fix up my 1937 RCA DeWald SW/BCB RX. It has pre-set buttons with labels saying KSO, KRNT, WHO, WMT, & two blank ones. I also picked up a TRF which I will modify as time permits. DX to note: WJW off! JBC-700 & TIHB logged 12/11 in rare WJW SP. I believe I remember them being off one M. last May. Also logged 12/11 was RTD-1030 for state #36. Not a bad night. 1/15 - I hope to land KPNW w/KNOX off. KILG TEST not heard (sob!) Totals at 563 heard in 36 states & 26 countries. I hope to get 40 states & 30 countries by the end of my first year, 3/23/79.



(Anderson, con'd.) in studying weather conditions from West & Southwest. I've kept and submitted weather conditions to National Weather Service for about 15 years, another of ten hobbies here, hi. Good DX & 73 to all.

#### VACATION TIME IS DX TIME

RAY ARRUDA - 47 Burt Street - Acushnet, Massachusetts - 02743

A January vacation has enabled me to DX at various times of the day and night with mixed results. One verie since last report is in from GJFK-1290. Oh, and WMOO-1550 answered my second report w/v1 & CM. We'll start out with Monday SSS 1/14 on 1190: WJYE-N. C. heard weakly at tail end of s/off 5:29-5:31 very abrupt w/short VID after c/w song, then off. WAVS-1190 right after and good enough for report, 5:36-5:44pm with mx, spots for Island Cruise, then s/off w/detailed announcement, but no SSB. MY 1/15- Reports taken on two 1350 stations: WZLX-Pa. w/rm, IDs, on Dave O'Brien Snow 1:48-2:15, then WKBZ-Va. w/c/w format, & "Honey Radio" IDs from 3:55-4:07. In between all that, on 790, newie CK30 logged 3:26-3:47 w/AM-FM IDs, Freddie Hart c/w album cuts. WMOO-1550 testing on & off most of the morning per phone tips from BILL ANDRES & JOHN KROMKA. Monday afternoon WTBQ-1110 was noted atop @ s/off @ 4:57pm w/detailed announcement & SSB. Moving along to Tuesday AM 1/16: A tentative reception of WVNA-1590 Ala. f/c was noted 1:16-1:25 w/possible ID @ 1:19 & 1,000 cycle TT way u/ WQQW & probably WJLQ. Over on 1330, WHEAT off, WPOW on OC, brought very weak signal of WTRX Flint, Mich. 2:27-2:29 w/WX & IDs, but not enough material for a report. I will be looking for this one in the future as they've been heard on a number of cold winter mornings, but never long enough for a decent report. I'll be listening for both WLLI & WJWA DX TESTS as I need 'em both verified. I'll also be gunning for that WBIO-1310 N.J. f/c too, to complete New Jersey on 1310. 73.

#### HAVING TERRIBLE TIME WITH SPURS

GUY KULLEMYER - "The Pardiolo DXer" - 2611 Ala Wai Boulevard #1002 - Honolulu, Hawaii 1/15/79

Aloha fellow DXers! Now that my 14 month hiatus in Hawaii is well into its second half, I'm beginning to look forward to May-June when I'll be returning to my native Eugene, Ore. & can get back to "punchin' them dogies" and some decent DX. After reading in DX NEWS that KAMM is going to 50,000w, I panicked and called the station for confirmation. The gentleman confirmed it, but said that they didn't expect their new tower to be completed till late '79. I breathed a sigh of relief, because I can look out my dining room window and see their present tower about two miles away. At present, with 10kw, they already show up all over the dial; what's it going to be likd when they go to 50kw? Also confirmed, (by the Honolulu Star Bulletin) was KJKJ's new FMer, KPJG. It is to be a simulcaster of KJKJ, at least part of the time. I also contacted some of the other local stations about their silent periods, and came up with the following info: KGMB, SP Sun. 1-4am. KEEJ - SP 12-5am every day. KJOE - 24 hours, NSP. KPOJ - same. KAHU same. I got discouraged after that and quit calling. DX of late has been confined to tuning to a weak station, then waiting for a couple of minutes to find out if it's some splash from a station further up the dial (in other words, a local) or if it's just KJKJ showing up at yet another spot on the dial. I did manage to pull in KPNC in Bakersfield & KTWQ Casper, though, on Saturday the 13th. Whoopee! In line with the recent assaults on Disco mx that are presently being made popular by NRC members, I have only this to add: I equate trying to avoid disco while DXing akin to walking barefoot through the barnyard - no matter how hard you try to avoid the crap, sooner or later, you're going to step in it. Remember: Country/Western is King! Aloha.

#### \*SEE YOU IN ST. LOUISE!

KEN ONYSCHUK - 239 Fir - Park Forest, Illinois - 60460

1/10/79

Happy New Year to all Musers. A lot to report: Chicago's Oct.-Nov. Arbitron ratings were printed in the paper recently. Top Ten: 1-WGN. 2-WLOO-FM. 3-WBEM. 4-WMAQ. 5-WLS. 6-WEXX-FM. 7-WLAK-FM. 8-WCLR-FM. 9-WFYR-FM. 10-WVON. The remaining Amers: 11-WIND, 12-WJJD, 18-WFMT, 20-WOFL, 22-WJPC, 23-WAIT, 27-WWCA, 28-WJOL & 29-WJOB. In comment, since WIND left the mx scene for NX-talk, local experts figured ex-WIND mx fans would flock to WLS, WPHY, or WCLR, but no, they've switched to c/w King, WMAQ. Monitoring possible changes to local stations, through 1/10, WLTD-1590 has not gone fulltime, and via phone calling, WIMS-1420 will not go 5,000 U-2 until late Summer. Yes, they are still 5,000/500 U-2, figure-8 night pattern. New Dx: 12/16, I finally heard much-wanted WKMM-1140 @ SRS o/WSDV, 8:18-8:27 am w/disco mx (yech), IDs, WX, more disco, Mich. #47. Final 1978 logging was 12/27, WMOX-1460 La. 6:05-6:15pm w/NBN, WX, & Soul T-40 in very well alone. First 1979 logging, I woke up Tues. 1/2 @ 8:45 to bitter cold WX, -13° in Chicago, record-tying -27 in Moline, Ill. So I tried for WRCK-1440 for Rockford's WX, @ 8:53, good signal, but no WRCK - I got Twin Cities' WX, & ID as KQRS, Golden Valley, Minn. 40 minutes after LSR; first 1979 f/c here, WLET Ga., 1/8 @ 12:15am. WRAA-1330 was a no-show. At 11:18pm, I looped WJON-1390 enough to get MoR, a pleasant WX report, & a pleasant ID, WCSS, S.C. 1/10- Unusually weak WMBD getting bombed by T-40 KRSC, Tex. w/local NX, Ac NX, much mx, 6:50-7:15pm. I tried very hard for WPKO-1530 Me. that night w/WCKY looped. However the f/c never developed. I wanted my first Maine badly. Thanks to WILLIAM HALE of WRFL Rantoul, Ill. for a nice letter, 1/10. That 30-second s/off I heard in early December was so weak I was lucky to hear what I could, let alone copy it. Thanks anyway. Now to get Ill. #100. I've been trying for WEYS-1560 Canton, Ill. SRS & SSS. It was nice to see the 1979 f/c list. I'm gonna need it to get my 800th station this year. In '78 I heard 35 new loggings this Fall-Winter, SSS DX, on the car rx or TRF has been disappointing. I noticed in a recent BILLBOARD magazine .KTU-FM is #1 in NYC. Those FMers are really gaining popularity. Fine for the regular listener, but I get my kicks on the AM dial, hi. Next Muse, I will report on Christmas midday DX - better than normal CX. 73.

A WARNING TO ALL CHRISTIANS, MOISMS AND JEWS - YOU WON'T GET INTO HEAVEN IF YOU DO NOT MUSE!

#### MORE TRF MODIFICATIONS

LINDA BRODSKY - 245-16 149 Avenue - Rosedale, New York - 11422

This season has not been one of my most active until this past weekend. I have JOHN KROMKA's latest contest to thank for my renewed interest. I think I spent more time at the dials on Sunday, Jan. 14 than I have in the last six months. In preparation for Contest #4, I took out my TRF & my SM-2 and did some minor work on them. On the TRF, I was about to try BRIAN SHEEKWOOD's method of connecting the SM via two binding posts, when I found a neater, easier but slightly more costly method. I took a coax adapter which mates with a BNC type jack (I happened to have one around) and found I could mount the jack in place of the external antenna jack on the TRF by simply enlarging the existing hole with a hand drill (after discarding the original jack, of course). I then connected the center conductor to the yellow wire and was about to connect the black one to the outer part of the jack, when I noticed that both the yellow and the black wires run to the same point on the tuning capacitor. I don't know all that much about circuitry but this seemed like a shorted out antenna connector (no wonder the external antenna never worked with this set!) So I clipped the black wire and ran another ground from the jack shield to a real ground. Voila! I connected my longwire via coax connector and considerable gain was noted. Then I tried my SM-2 but it only worked inductively. This, I found out later, was due to a broken ground on the battery connector. When I changed this wire I found I could use the SM-2 & get good nulls & improved gain without lengthening the SM-2's coax lead. I can keep the SM-2 as close as I like to the TRF with no problems. If I could do this, I'm sure anyone of you can easily duplicate this. Anyway, you should open the TRF & see if your black wire and yellow wire go to the same point on the tuning capacitor. In addition to relogging all my "locals" I logged two newies, CLHI & WTMA & several new call signs, e.g. WOMN, WIST. In all, it was fun & now that I have improved antenna capability for my TRF, I hope to do more DXing, and of course, more Musing.

#### WE WELCOME ANOTHER NEW YORKER INTO OUR MIDST!

RICH HARRISON - 325 East 80th Street - New York, New York - 10021

Hi gents! This is my first Muse. For an intro, I'm 37, single, and work as an engineer and business planner for an international telecommunications company. I joined the NRC in September; one of the main reasons was to obtain a consensus of opinion on external antennas to supplement my Transoceanic & Sony ICF-5900 portables. I wound up selecting the SM-2, which proved to be only moderately helpful here in noise-inundated NYC. I've watched my home area become progressively worse as each year passes by, bringing still another high-rise nearby. Cable TV is a necessity in my building (six stories high), and most tenants snapped it up when first offered in '75. Some comments on the 5900 - not selective enough in strong local signal areas, like NYC, poor noise rejection, only fair image rejection; but it is very adequate in country areas. SW is good, FM excellent for DX. Some recent NYC catches - WGTQ-540 w/o/w mx, WWDC-1260, CFNB-550 for the first time in over two years, WARE-1250, WAPA-680, Cuban-590 & R. Clarin-860. Inte resting pre-sunset DX on 12/29 was "Big X" w/o/w on 950. An ad for car salesroom in Ashland led me to my Road Atlas and the belief that I had WXGI, Richmond. I took the Sony & the SM-2 over the Christmas weekend to visit friends in Ocean Grove, N.J. just below Asbury Park. There the SM-2 really proved itself. Daytime logs showed close to 90 stations. I'll be going back soon & will try to repeat the performance, which included WEYY-1580 at local SSS after WYFA s/off. JOHN BOWKER does a great job on AM Switch and BILL WURTZEL's poetry is tops. I hope my handwriting is tolerable & regards to all. (How's the Homestead Restaurant, Rich? -ERC)

#### \*ZDK COMES IN CLEAR AS DAY\*

BRUCE A. CONTI - 39 Bayberry Drive - West Warwick, Rhode Island - 02893

1/18/79

With WWVE nulled out by my SM-2, ZDK-1100 Antigua came through nicely with a series of commercials including Kentucky Fried Chicken and Maytag Washing Machines between 8:39 & 8:43pm on 1/11. After that, the DJ came back with more soul mx, & I immediately began preparing a reception report for the next morning's mail. I hope they verify, because it will be my first QSL from outside North America on the standard ECB! 1/14 DX: I got out of bed to the sound of "91-Q", WRQQ-910 Conn., & began the day-long hunt for stations in R.I., Conn., & Mass. for Contest #4. Here are some of the better local catches of the day: WFGU-960 Mass. came in unusually clear with Mutual SX while WELI was almost completely nulled out @ 11:10am. Ever since WJLQ went on the air, WJLC-1170 has been hard to hear, but WJLC popped in & out in WJMQ's null a couple of times @ 12:49pm. WGNX-1150 came through the WHUE null with its "Feel'n' Good" jingle @ 12:52pm. WJMS-1000 Mass., a hard catch for me in the daytime, rose out of the WJKA-990 & WJNS-1010 mess with the end of CBX NX @ 1:05pm. 1600 worked out well with WEXY & WUNR both coming in @ 4:55-5pm. At noontime, WJNG was the only one heard on 1600. Now it's time to prepare for #5! Also in 1/14 DXing, WBTM-1330 Va. was added to my log book @ 4pm. Elsewhere in DX, those SS stations continue to bombard the band, especially at 1110. Some night, maybe I'll spend a couple hours listening to one for 17. 73s.

#### LIVING IN THE PAST

PAUL MOUNT - 35½ West Columbus Street - Nelsonville, Ohio - 45764 614-753-3280 11/11/78

Moving on from Muse to Muse, you're in Bad Company. 11/8 & the AM/FM contest has begun. WBSG-1550 S.C. w/mention of WX for Carolina coast, spot for Hamer Electric Co. in Bennettsville, then WX in Radio Park. This was heard from Teaneck one New Year's morning, 1976 maybe, & they went for over ½ hours without a legal ID, & my reception report showed this. They sent two v/qs within a week of my letter, maybe to keep me quiet, hi. On 1560 was Tony Grey on "Wagel" @ 7:46. WGPC again on 940 @ 7:59. WCSI-1010 Ind. fair in WJCI O. null w/McArthur Park & talk about Dance Day, no comment, @ 8:13am. 11/10 on Ch. 5, the local channel w/WX was the announcement "The problems on several of the TV channels is due to extreme atmospheric conditions" and "Extreme" was flashing. We turn on the station each AM

(Clemmer, cont'd.) as they have a continuous WX forecast & messages to cable subscribers before 7:30, etc. comes on. (77-ERC) WX was foggy, overcast, 39°. FMs from as far as Toledo, Windsor, possibly Pittsburgh, & Hazard, Ky. were heard. I didn't try any AM as FM seems to be more adversely affected by CX than that plague TV. 11/11- The CBS Radio Mystery Theatre, while I've never listened to it in its entirety, is still familiar sounding. Often I'll tune in to a frequency where the show is just ending, with the squeaky door sound effects, etc. & it'll come through like a good TT, & then a standard ending & other mysterious noises. This is heard, for example, on 1390 'tween 12-1am, RM from "Soft Rock 14" which I believe is WFWM as reported in a Musing, & a Tler, saying "on the air for testing purposes" 12:53. One station on 1390 heard @ 1:32 is an ABC/E station. WVON finally IDed @ 1:39 w/soul mx. On 1420, WKX atop w/c/w survey (at #35) & easy list, fighting it, WX, then WOC ID 1:45 (Davenport, Ia. a good place to be for Mo'line down.) (71-ERC) WEIR Weirton W.Va. w/contest promo re Steeders' game & Holiday Inn in Weirton, ID as "The Ohio Valley's Sports Connection" into "Double Vision." Sometimes the way they say their call letters they sound like WERI. Lots of stations on 1440 but only unnn WRDD, Bay City, w/MI WX. WHBC-O. & WLEE-Va. pests on 1480 3:10. On to 1490, WYTL Oshkosh Wis. good 2:37 w/F DJ, address for tickets, spot for Mark Furniture in Neenah, editorial by F, c/w song, ID into WX, c/w, another ID & then I called station & I think they mentioned my call, this till 2:53. WDEE-1500 not all that far but surely out of their pattern, contest 15 minutes to call the Big D. Back to 1490 for hourly ID, & I got one from Multiplex, WMPX Midland, Mich. into UPI NX, ID mentions Midland Co., @ 3. Larry King on 1300. Down to 600, teletalk & Cuba, the teletalk IDed @ 3 as "You're listening to Nightline on WMT in Cedar Rapids, Ia." Not much heard anywhere till 3:58 on 1240, "Those Were the Days", then "This is WJTN-AN, WJSE-FM Jamestown N.Y." Nice, but I would have preferred WJTN-FM too, for contest, hi. Totals 227/32a/2/4/8.

#### LIKES HIS NEW SANSEKINO LOOP

JOHN D. BUEHLER - 4290 Monroe Street - Toledo, Ohio - 43606 1/17/79  
The FRG-7 is back from Radio West. What an improvement! The Collins mechanical filter is what this RX needed for the selectivity required to pick up the LA stations on split frequencies. I have found the BFO they installed to be a great aid in tuning to center frequency on a signal. Just turn the fine tuning knob until the "beat" is low, & you're centered on frequency. CX were excellent the week of 1/8-15. Thirty-eight new stations were logged. Details are in DDXD & IDXD. Among the better catches were TICON Costa Rica-675.2 kHz, CBU-690 Vancouver, SRS-725 Surinam, excellent KRZI-1580 Texas & WHRT-860 Ala. Last week I received a Sanserino Loop kit in the UPS from Radio West. This antenna is superior to any others I have used. It is able to null local stations deeper than any of the ferrite rod types (SM-2, Pakmar & Dymek) I have. Assembly time for the kit is 90 minutes and only four solder connections. I am sold on the virtues of air core loops. Verie out to KSNQ-1260 Col. for what I think was their f/c on MM 1/15 @ 3:38am. This is the first verie I've requested to it will be interesting to see if they reply (especially if the reply is affirmative). I had a nice visit with BURTON ZACHS of Providence, R.I. Monday evening 1/8. Burton was on his way to graduate school at Northern Illinois University. Unfortunately, he must have arrived just in time to get a taste of a Midwest blizzard. How's the snow, Burton? 73s until next Muse.

#### MAY BE MOVING TO THE CHARLOTTE AREA

STEPHEN H. PONDER - 4105 Glen Street - Bossier City, Louisiana - 71112 1/16/79  
Hello there. As you can see, I have finally made it back home. I am no longer a resident of that great state of Texas, but am now a proud Louisianian! I had the great pleasure of making a flight up to Charlotte, N.C., where I met with a prospective church concerning a possible place of employment. While in Charlotte, I could not resist the urge to sneak my radio out of the briefcase and see just what I could hear on the band. Of course, being in a motel is not the best locale for DX, but at least I could hear the locals & a few out-of-towners. Here's a run-down of the Charlotte city MWers: WAYS-610, WSOQ-930, WBT-1110, WIST-1240, WCGC-1270, WHVN-1310, WAME-1480, WRPL-1540, & WGIV-1600. At night I just could not believe how strong the Windy City stations were! Also, a few of the big New Yorkers would be heard (like WNBC-660, WABC-770, WCBS-880, & WOR-710). In the daytime hours I could hear one South Carolina station, WRHI-1340 Rock Hill. Also, a Kannapolis station, WGTL-870, could be heard. It was a new experience for me - I have not heard so many W-call stations (especially since I've lived West of the Mississippi in K-country all my life, hi)! The motel I stayed at was just down the street from two TV stations' studios: WTVI-42, & WCCB-18. I remember that the motel TV could not pick up WTVI, but I had a police band on my radio and tuned in their VHF transmitter link, hi. At least I could hear the PBS programs. Charlotte is a big city, a city that has a lot going for it. If I do take this church, I'll most likely live in the suburbs, around Matthews or Stallings area, down in Union County (Charlotte is in Mecklenburg County). That means less QRM and images from the biggies, like WBT & WAYS. That also means that I can have what I've always dreamed of having, an antenna farm! Now, if I could only find some antenna seeds so that I could start to plant them, hi. That's all for now - I'll be back. (We need a vicar here, Steve - Episcopal? -ERC)

#### BIG SNOWSTORMS HIT PEORIA

JOHN CLEMMER - 2937 West Gilbert - Peoria, Illinois - 61604  
The Midwest was buried by a blizzard on 1/12-13. Peoria was no exception, getting 12" of new snow. Twenty inches of snow are now on the ground, a new all-time record. No area stations were noted on late last night 1/13, because of the WX, however. DX continues to be very good here at SSS. New catches include KANS-1510 Larned, Kan. on 1/9 @ 6:13pm. Also KMM (ex-KMHI) & KML-960 Tx. as well as KCLR-1530 Tx. have been heard. Over ten new stations have been heard in the last six days. See DDXD for further info. DX should be

(Clemmer, cont'd.) pretty good the next few days with the cold & snow. It looks like I better hurry up and verify all the clear channel stations I can before the FCC initiates its policy of more stations on the clear channels. Discussion is going on that will limit how far 50kw stations will be protected. This might be their primary night coverage of 750 miles, or it might be their day coverage of 150 miles. Good DX and 73.

#### S-M-I-L-E-I

BILL HARANG - 811 Nevada Avenue - San Jose, California - 95125  
Several months ago in a previous Musing, I said that we DXers (like all other hobbyists with their individual hobbies) shouldn't take ourselves too seriously. When a hobby ceases to be a source of enjoyment for one, then the person should choose another. We should try to keep our distance away from people who have those long, dark, gloomy expressions on their faces continually. That is the reason I like the company of young children and some teenagers. They laugh. There does not have to be too much to laugh at to produce their warm, natural laughter. I like to be around people who have a good sense of humor. I like people who are young in heart, regardless of calendar years. DXing can be contagious with the right people as examples. We can lead other people into the hobby by being personal examples ourselves. Be around people who feel happy, and you will feel happy, too. Smile, and you will get a smile in response. And brush the chip off your shoulder. Life is too precious to let others get you down continually. Many unhappy people do try to get others down, because "misery loves company". Let the other fellow be unhappy, jealous, and live a negative life. Not you! Be too smart to let this kind of poison get you down continually. We should try to be in a largely optimistic mood in face of all obstacles.

#### DX IS GOOD BUT VERIES ARE SLOW

NORMAN L. MAGUIRE - 6105 Del Campo Place N.E. - Albuquerque, New Mexico - 87109 1/15/79  
Veries in, few and far between: KIDN, KNIN, KADE (both 1kw and 52 watts & other domestic catches include: 12/8- 5:59-6:23pm, KULY-1420. 12/11- 4:55am, KEIG-740 test, unnn. 12/13- 6:40-7:05pm, KANI-1500; 7:08pm KLOU-1580 unnn; KNIX-1580 7:10-7:13pm; 7:14-7:32pm KATZ-1600. 12/14- 6:20-6:35pm, KLUF-1300 unnn. 12/19- 7-7:17pm, KMJJ-1140. 12/21- 6:55-7:31pm, KILT-540. 12/22- 6:22-7:16pm KILT-540, thanks to MORT MEEHAN for tip on this one. 12/23- 6:55-7:07pm, KHAP-1340. 12/27- 11:24-11:48 WGSQ-1280 w/BKB game. 12/29- 6:21-6:25am KXOW test on 1420; 6:24-6:27pm, KXVI-1600. 1/3- 5:52-6:37pm KXVI-1600. 1/4- 1:01-1:11am, UNID TTer on 1250. 6:24-6:30pm, KBUC-1050; I hope they verify. They did not last year. 6:23-6:36pm, KFII-1070. 1/5- 6:50-7:30pm, KWOO-1560 unnn. 1/8- 1:19-2:30am, KCUZ-1490 f/c; 3:32-3:47, K-86 on 860, who? 4:15-4:33 KBTC-1230 TT. 1/9- 7:15-7:36pm KLIJ or KFLX-1600, who? 9:20pm, KKA-560 BKB game, unnn. 1/10- 6:16-6:33pm, sounded like KRLD-1510 - who? 1/12- 6:53-6:59pm, KWNS-1290. 1/15- 3:33-3:38am, KCMC-740 TT, unnn. I received my new Pacific Log from CHRIS MARTIN, excellent for Pacific Islands and Japan. I wish it had included Singapore, Hong Kong and Korea, but Chris informed me he did not have the time. The format is similar to the NRC Log. I wish I could use it now in Hawaii! Also my sincere thanks to BRUCE WINKELMAN and JOHN BOWKER for AM Switch. It's invaluable here, but no good in Hawaii, hi! Also to old friend JOE FELA for the new frequency check list. I'm operating on one-half an eye at present. The left eye is doing fine after operation, but 1 1/2 months yet for contact so I can see full vision. Other eye is bogged down with cataract and overwork. (Good luck, Norm, we're thinking of you! -ERC)

#### WE WELCOME A NEW CALIFORNIA MEMBER & HOPE HE'LL MUSE OFTEN!

ALPHONSE B. TOBIA - 7603 Linden Court - Newark, California - 94560  
A quick introduction since this is my first time Musing. I am 30 years old, married. Equipment includes a Hammarlund HQ-129X, a Knight kit R-195, & a Radio Shack AM-FM portable, model 12-666. The HQ-129X & R-195 work off a 40' LW. I am in the process of building the 4' loop. I was wondering if any N.Y.C. area DXers can help me. I am looking for tapes of NYC radio stations from 1955-1965. Such stations as WMGA, WABC, WINS, WJGM (now WHN), WOV (now WADD), WNR & WRFL. I am mainly interested in the DJ talk, promos, commercials, & jingles. Such DJs as Scott Muni, Fred Robbins, Alan Freed, Peter Tripp, Alan Fredericks, etc. If anyone has such tapes, please let me know. Recent verification is KOTA-TEST heard under strong KTD out here. If anyone wants to monitor 740 kHz on MMs out on the West Coast keep in mind that KCBS does equipment testing from approximately 12:15am to 5am w/OC & TT, however they also go off completely for long periods during these tests. Well, that's it for now, best of DX to everyone!

#### WANTS TO SEE MORE ACTIVE NRCERS CONTRIBUTING TO DX NEWS

STEVEN D. MILLER - 368 Quincy Street - Boston, Massachusetts - 02125  
Hello everyone. As I've said in my first Muse I've got plenty of them - Musings, that is. During the holiday break I've logged a whopping total of 33 new stations, not bad, huh? As Ray pointed out in a recent issue of DX NEWS the Club has some 700+ members & is growing fast! Among this so vast amount only about 48-54 are regular contributors to DDXD & IDXD. All I'm saying is don't complain about the bulletin or Club events 'cause by contributing log reports & other ideas & related material you "benefit" & that's my version of being a true NRCer or any radio club member DXer. So come on all you criticizing contributors & non-contributors. I'd be very pleased to see the reports list for both columns, get this, a whole page long! After all isn't that what you join any radio club for, to share among the membership who in turn do the same for you. Let's see a whole membership turnout in a future issue. Remember only a small amount of DXers like you put out this fine publication for your support as well as benefit, so please contribute! Please support NRC & all its activities - the bulletin's only something to read if you participate. 73s & best of DXing.

HOW DO YOU COUNT VERIES WHEN YOU MOVE?

PETER A. NOLAN - Box 1524 - Eugene, Oregon - 97440

Thanks to JERRY STARR for expressing my feelings on CPGing, only with more forethought and eloquence. I received the brand new NRC Domestic Log, all I can say is - fantastic! JOHN CALLAHAN and the entire Coub ought to be very proud of an excellent and comprehensive publication; I intend to send along whatever updates and corrections I can dig up, but it sure isn't much! DX still lags, as does personal correspondence (patience!) hopefully both should be back to normal soon. DX is limited, now, though, by my working fulltime on a graveyard shift (11pm - 7am). I did continue to get SM & MM as my nights off, so not all is lost. KKIO-1290 was the only CPC TEST tried for, no luck due to local pest KBDF one over. A question that has been bothering me for years, and which may really not have a satisfactory answer: How does one reconcile receiving verifications in different locations? Having moved about four times, I would hate to have had to write KSL four times just to be able to count them in my current totals. On the other hand, when a station verified from another location is weak and questionable DXed from Point A, how can they be counted as "verified" on the basis of what was heard at Point B? (Anyone who followed that, send \$5.95 for LP, \$6.95 for 8-track tapes to...). I've traditionally followed a middle road; e.g., I count KFI as "verified", since it's easy DX from here, without sending to them again. I count CFUN as "verified", since I heard them and verified them from the Midwest as a difficult catch, but they're easier here. Or difficult catches from both, say KKCL-1360. But this seems to leave a lot of grey area and individual discretion, & I'm wondering if anyone has come up with a suitable formula or policy to differentiate. Just wondering - hopefully, more DX to report next time. May your Muse forever have reason to dance.

CONGRATULATIONS ON YOUR NEW JOB, KARL!

KARL JETER - 2816 Frontier Trail N.E. - Atlanta, Georgia - 30341

Hello again. Big news around here is a new job! I started Tuesday 1/16 at a large manufacturer of aluminum building products as a draftsman. The only problem is it is located on the South side of town, meaning a long drive to and from daily - almost 60 miles round trip! I was surprised to see a new issue of Communications World on the news stand the other day; mostly same old stuff, and same old outdated White's Log (example: Atlanta's 860 kHz is STILL listed as WERD! It is now WAEC, ex-WXAP, ex-WERD!) Also, WQUM-1010 is STILL listed on 990 & 1010. The list goes on, I'm sure. We can all be thankful for our own NRC Domestic Log! Also, CW is apparently an annual job now - this is the 1979 issue. Now for some boring stats: 1978 was the first year in my DX career where the number of veries exceeded the new logs. Unfortunately, I can't find the exact numbers, but it was about 80 newies vs. 95 veries. Grand totals are now 1,309 heard, 834 veries. Latest veries are: nice v/l from KLTR-1580, v/q from KGNC-710, & v/l & PP/c from WKRG-710, a long hold-out. Response on the latter was very nice, mentions they cooperate with DXers always. New work sked will affect DX: I get home just before 6pm, so some SSS is possible even now. Later, SSS will be no problem with later s/offers. SRS will be limited, as I get up around 6:30am to leave by 7, so not much chance there. MMs will also be limited, but I'll manage them regardless, hi! Some unusual and even weird DX tidbits have been sent to RAY ARRUDA for inclusion in DDXD! Stay tuned! 73s for now. Best of DX.

THERE'S A TEN-WATER IN DISNEY WORLD ON 1100

GEORGE WALTON - 314 High Street - Easton, Pennsylvania - 18042

Greetings members! I'm just sobering up from New Year's and realizing I could have stayed home & did some MM DX! Oh well, my wife Eileen deserves to have a good time too. We spent Christmas in Florida - yes, PJB does come in wall to wall down there & not a sign of CKLW. Here is a toughie for all you DXers - Walt Disney World broadcasts on 1100 to inform you of parking, etc. Maybe 10 watts! How many of you have heard them? I finally logged State #31 - Vermont, on 620, WVMT, Burlington. Locally we have a pirate at 1610. No call letters but goes under the alias of Disco Dick and 16-E. Perhaps other members in Pa., N.J. or Del. have heard him. Recent catches include WEIO somewhere in New Jersey at 1310, XEROK-800 w/CKLW off, WDEL-1150, Wellington, Del., WTEL-860 Philadelphia, CHYR-730 Leamington, Ont., XEB-1050, Mexico, u/WHN! And I am only 60 miles from the rotten Apple. I just made a purchase of an RF2200. I paid only \$125 for it. I think it has much better sensitivity and pulling power than my TRF, but that is only my opinion. More recent catches include CBW Winnipeg, the new WJNY in Dansville, N.Y. on 12/8. WDEE, Detroit, came booming in on 12/10 w/ WTOP off. Sorry these reports are old but I think I am finally starting to feel better from my asthma. One good part of my illness is that I haven't had a cigarette in six weeks - not bad for a two-pack-a-day smoker. (Keep up the GREAT work, George! -ERC) On 12/15, WUNR, Brookline, Mass. was logged just before R. Paradise in St. Kitts. Also on 12/15 three stations came in on 960 - WSBT, South Bend, Ind., WELI New Haven, Conn. & CKNS, Kitchener, Ont. That should do it for this Muse from the Lehigh Valley. I have to go watch the Philadelphia Flyers now. Like DXing and my family, the Flyers are a true love. Good DX to all and don't forget Valentine's Day!

STAN MORSS - Route 3 - Bradford, Massachusetts - 01830 (postmarked 1/13, received 1/18/79)

1/8- WCRJ-1530 in well for last 20 minutes of RS - prior to that, WREX, Chapel Hill also was in & seems to be a religious format also. Verie, WPWC with C#, rate card and a three page brochure on station. 1/11- WINX-1550 Smyrna, Ga. s/off about two minutes after WRHC got off - so cassette & report sent to the announcer - also an "inspirational" station, per s/off. PRN or TRN announcing 1627.1 & then at 11pm switching to 1610 "Pirate Radio Network" for Central New England & one mention of College Radio Network, very strong here both on 1627 & 1610, so must be close by. Verie, WSUM who say they'd like to run a TEST but CE is CE for a group & he can't sked TEST far ahead & be sure of being able to get there.

NIGHTTIME SCENE ON THE CAPE COD DIAL

MARK CONNELLY - 52 Amsden Street - Arlington, Massachusetts - 02174 WA10N 1/19/79

Hello to all! The news from here is that I've just gotten the new Radic 1st SM-1 ferrite loop. It works quite well; overall performance is similar to the popular SM-2. I have run a series of tests (SM-1 vs. SM-2); the results are in a feature article to be presented soon. Another local format & call change: WWEL-1430 AM & 107.9 FM have changed calls to WYKS. Format is all-disco, competing with WILD-AM & WEOS-FM. WYKS' ID is "Kiss 108" (ugh). On other subjects, I've had a great time visiting renowned NRC DXer MARC DeLORENZO on my monthly trips to Cape Cod. Recent telephone conversations with RICHARD ECKMAN, TOM FARRERIE, & CHUCK HUTTON have been interesting & informative. Now onto "DX Down the Dials" (a typical night-time bandscan for the Mid-Cape area (Hyannis & vicinity). TICAL-526, Algeria-529, Grenada-535, YKOW/HUKA/CBT/CEP-540, Dominica-545, Algeria-548, WONG/CFNB/WDSV/YVKE/OMAN-550, ZIZ-555, WGAN o/WFL/WHYN-560, WMOA/YVLE/OMHI/CJEM/MSR-570, TIRI-575, WKAQ/ATAG/CELO-580, WESI/OMN o/HJCR/WARM/VOCK/CKEY-590, Dominica-595, CMKV o/Suriname/HJHJ/YVOB/WICC/CFPC-600, WIP/WJIR/HJKL/VPL-610, Morocco-612, WLBZ o/WVNS/WVMT/HJEL-620, WPRO/CMHW o/CFCY-630, Spain-639, CBN/CMQ/YV30/Suriname/Guadeloupe/TGW/HILO/KFI-640, England-648, HIAT/YVLE/WSM/TIBAS-650, YSS-655, WNBC o/YVNA-660, Portugal-666, YVLL/CHKP o/WMAQ-670, TICN-675, WRKO way o/WAPA/CYQ/CFTR-680, Spain-684, CEF o/CMBC-690, HJDC-699, YVKE/HJGX/wLW/Jamaica-700, Morocco-Andorra-702, St. Vincent-705, WOR o/YVYK/CJRN-710, YVDE/CHEN/WGN-720, S R .S./TLLX-725, CKAC o/HJCU/HIZ/CMKJ/XEX/Trinidad-730, HCGC1-735, Spain-738, CEL/CHMA/YVNC/VMLL-740, Upper Volta-747, YVKS/WSB o/Jamaica-750, Portugal-756. More next time. 73.

SIX CPC LETTERS PRODUCE NO REPLIES

DAVE SCHMIDT - 42 Chelwynne Road - Castle Hills - New Castle, Delaware - 19720 1/18/79

Here's a Musing that is about as hot as milk toast! First, heard & reported: 1/11- WSOX-1230 1:06-1:24am, mostly atop w/jazz. It's surprising just how well this guy and WSAJ-1400 get out after midnight. 1/12- WFMJ-1390 1:55-2:07am w/TT, very loud. 1/15- WJDS-1490 1:58-2:17am w/up tempo MoR, I thought they were off on MMs. Also the f/c from WSLV-1110 was noted, 1:04-1:15 w/Dixie being played over & over. They were IDed @ 1:07 when WBT let an LP cut track through, about four seconds of dead air. I wonder if WSLV knows about WBT's SP on SM? Veries now at 972 with the following added: v/l - WEMD-1460 after four tries & a phone call to the weekend announcer, WPMH-1010 v/l & CM, bumper sticker, info sheet (they are all religious, Pretty Much Heaven), WAMB-1190 glossy v/q, & WRBN-WQCK-1600 v/l w/CM & fact sheet. The CE at WQCK had the engineering logs for WRBN still on file, the report was for 10/26/74. In regards to JOHN KROMKA's comments of a few issues back in regards to the CPC & lack to TESTS, I have found that many stations do not have a full time CE, just someone who is contracted to do work on a once-a-week basis, such as I have at WQHE, while working fulltime at another job. And at many of your fulltime stations, a third class operator is allowed to do many of the engineering duties which formerly were done by just an engineer. If there are any problems, the CE gets a call. Plus my free time has just about been cut in half, but I managed to get out five or six CPC letters this year & NONE answered, hi! I requested one of my weeks vacation this year over Labor Day, I wonder if I'll get it, hi! That should be it.73s

WANTS TO SELL AN SSR-1

JEFF KLEPPINGER - CGSD THREE COMMEN - Bldg. 125 - Governor's Island, New York - 10004 1/17/79

Well, it's about time for a Musing not having done so for quite some time. Of course living in the NYC area does not make it easy for the MW DXer. I just had a fine, though brief conversation with ERNEST COOPER. I'm sure he has many horror stories about EX attempts when he lived in Brooklyn! I intend to get the SM-2 soon to improve the situation. My equipment includes a Hallicrafters SX-110 & a Drake SSR-1. Should anyone be interested in buying the SSR-1 (like new), please write or call 212-668-7126 or 7127. If I'm not there when you call (this is where I work), just leave the person answering a message & your phone number if possible. Nothing much in the way of DX. I probably won't do too much until I move to the Seattle area in around a year. I noticed that WNBC-660 doesn't s/off every MM like it used to though Mr. Cooper stated it does once in a while. About the only real DX I get with the SSR-1 & whip or short wire is PJB-800 or a couple Cubans. I get more active once I get out of this land of images & spurs! 73s to all. (Jeff, ANY catch in the NYC area is a good catch, hi-ERC)

THE EYES OF KENTUCKY ARE ON TEXAS

JOHN HOOPERHEIDE - 105 Bayside Lane - Brandenburg, Kentucky - 40108

Good DX continues - WOPF-560 Dothan @6pm s/off w/sound effects on 1/12. WWHI-570 Biloxi loud @ 6:15 w/NX, & new KJUN-990 Wichita Falls w/Paul Harvey @ 6:30. QSLs in: KFLP, WGIW & WFIM all on 1/ups or second reports, WIZM, KALO, WGLU, KJAN, WROM, WMOH, WAKE, & KQJW. 1/15- I had Costa Rican on 1225 - TIJP for C.R. #16 at midnight. First log in my newly designed & carpeted DX den. Rather an elaborate setup w/four & soon-to-be six semi-beverage antennas & Worcester Loop & 60 meter dipole & SPR-4 & Collins R-390 w/tape recorder & trusty TRF. Asaypuerto-910, the YV, w/pop mx @ 1:30, WGNM-1340 Knoxville in briefly @ 1:35 w/WX. That PM had fantastic AU into Texas. I started w/s/off of WTAY-1570 @6, no anthem; KOKA-1550 dominating o/WLUX @ 6:15, new call KZKZ-1540 great @ 6:25; KNCO-1560 w/tournament BKB @ 6:45; KREC-1470 local-like 6:45; KYOK-1590 w/ads 6:45, KXYZ w/NX 6:57; KCOB-1350 w/SS atop all evening; KFRD-1370 w/r @ 10:40; KRIG-1410 Odessa 10:50 & great log, best of day, in KJCH-1410 w/s/off-SSB @ 11pm, Cleveland, Tex. Reports were taken on all the above & seven new Texas logs in one night. 1/16- AU again too but too tied up & got only XEEX-1420 ruling (Matamoros); WABE-1480 unnn atop @ 6:30pm. Only QSL in was WIFF, Frankfort, Ind. Up to 1,043 logged, 847 reports sent - 622 veries, 75% return rate. I do not use PP/c's & will keep on trying station till I get a QSL from them.

GOOD TURNOUT OF MUSERS THIS WEEK! LET'S MAKE IT BIG EVERY WEEK!

MORSE YET - 45 CPC LETTERS PRODUCE NO REPLIES

ALAN VAN HORN - 7870-A Corsair - Millington, Tennessee - 38053 901-872-7116 1/18/79  
Greetings from the DX Capital of the Mid-South. This being my first Muse of the New Year I would like to say I hope everyone had a great holiday season. This being my last Muse of my first year back into MW DXing a short intro is in order. I'm 27 years old, married (to an SW DXer), & employed by the U.S. Navy at the Naval Air Station, Memphis, as a cop. Interest on this end includes MW DXing, TV-FM-PSB DXing, Genealogy, & Astronomy. I am currently a member of the NRC (the Club that gets all my support), IRCA, WFDPA, & NASWA. I have been DXing since 1965 off & on, mostly off, due to being stationed on Uncle Sam's canoes. The current setup here includes a DX-160 (modified for taping DX), SM-2, unmodified TRF, Electrophonic AM-FM Console Stereo, Panasonic RF-1098 portable, Sears Cassette Recorder, Bearcat 210, SoloModel 14 Aircraft receiver, & 75' LW antenna running E/W. Current totals (heard/verified/taped): Stations 501/71/281, states 37/26/33, countries 19/4/13, provinces 4/1/2. Total U.S. stations: 425. Total foreign: 76. DX this season has been fair. No TAs heard yet but MIKE HEPPE down the road a piece hears them all the time. Black Belt DX for sure down there, hi. Mainstay this year is the contest season. I'm having a ball with it. I wish more of you would participate. You really don't know what you're missing and it's not too late to get in on the fun, either. CPC has been disappointing for me in more than one way. No TESTS & no answers to about 45 letters sent out to area stations! Sorry gang - I tried, really. Now to the best news this year. Gayle is expecting a baby around the middle of July. A new DXer is on the way. (Congratulations Larry and Gayle from the folks at LPC-HQ) It will be a boy as that's what I ordered. I'm about to the limit, so 73s to all & C U in 7 with a DX report since 1/1/79 - I hope. (Us too, Larry - ERC)

MAKES HIS FIRST LOGGING OF D.C.

BOB MCCOY - Box 81863 - Lincoln, Nebraska - 68501

Too much time has passed since my last Muse, so I'll start off with a brief re-intro. I'm 32, recently single, and live currently in an apartment complex at the far SW edge of town that is a pretty fair DX location. My total heard is something like 45 states, seven provinces, & 19 countries, about 710 U.S. stations heard. I send for veries usually only for TESTS, new states, or low power. I have a goal of verifying all 50 states on the lowest possible power. So far the lowest has been KADE-1190, which verified my reception of the last five minutes of their recent TEST on 52 watts PSA. Although I occasionally use my TRF or Radio West FRG7, I'm using a Panasonic RF2200 w/SM-2 lately, as the amplifier on the SM-2 really gives it a kick! To make things easier, I put a coax receptacle on the back and replaced the stock terminals with Radio Shack five-way binding posts, a direct screw-in replacement. Recent CPC loggings include both the KADE & KRER TESTS, which made it quite well. I've since logged KADE on SSS, just before their 7pm s/off. I think I caught some of the KILG TEST, though I confess that the talk in Eskimo sounded like Spanish to my ear, hi! Highlight of recent DX was 1/5 when NEIL ZANK visited and noted talk on 1500 u/KSTP. Careful listening resulted in a logging of WTOP, Washington, D.C. from 1:40 until 2:10am w/KSTP on the air! This is D.C. #1 for me. 1590 was a good frequency for me on 1/9-10, with four new catches: KWBG Boone, Ia. 5:57pm w/mx; KYOK-Houston, Tex. 1:24am w/sol mx; KSPR-Springdale Ark. w/TT & ID @ 1:45am; testing at the same time was KHEN, Henryetta, Okla. which I did a few seconds later. WATM Atmore, Ala. surfaced on 1590 also, @ 2:17am with march mx. Also noted testing was WTKK-1390, Meridian, Miss. as per f/c list, on 1/11 @ 2:07am, & WLIQ-1360, Mobile, w/dial tones & IDs, 2:26am on 1/12. CX here sound good & tend toward Aural. Until later, 73s

LOGS A TON OF SIGN OFFS

TOM BULL - 2544 Naylor Road S.E. - Apt. 202 - Washington, D. C. - 20020 1/17/79

Foo men chew? Good Grief. A wise old man (between coughs) once said, "Man who smokes make ash of self." Once again my Musing efforts become like the butcher who backed into the meat grinder and got a little behind in his work. Thanks to BILL WHITACRE for his tip on my 1580 uniD thing. I haven't heard this one since. PAUL MOUNT - listen up - your uniD 1580 s/off is WSPB, Chattahoochee, Fla. now signing off @ 6pm w/Lord's Prayer, then into closing statement by M announcer. Next, we award our P. U. Litzer prize to XEB-1050 for their 12/24 1:30-2:30am Goodie Train program starring "Father Jones" who for a donation can solve any problem. Any problem except falling hair, that is. For this you need his "Deep Root" hair tonic @ \$5.98 per bottle. There is a root in every bottle. The entire program was transcribed in Los Angeles. Somehow that figures. UniD tester noted on 1580 @ 6:09pm 12/7 and again 7:15pm 12/12. 12/8- 5:01pm, WJXY-1050 S.C. s/off, no SSB. 11:31pm, WIRV, Ky. on w/emergency WX conditions, flooding, etc. 12/9- 5:42pm, WOKZ Ill. w/U of Ill. BKB. Also 10:23pm, WOTL-1550 Ind. carrying U. of Ind. BKB. 12/10- 5:02pm, WQT.-1570 Pa. s/off, no SSB. 12/11- 1am, WITY-980 Ill. s/off, no SSB; 4:40pm, WWS-990 Pa. & 5pm, WIRV-990 Va. both s/off, no SSB. 12/12- 5:16pm, WRPL-1540 N.C. WTGF S.C. both s/off, no SSB. 12/13- 12:29am, G3 on 1593 in like a local, even on TRF. 12/14- 5pm, WEST-1320 Va. no s/off, simply pulled the plug. 12/16- 1:14am, WQW-1470 Conn. w/ET: 4:56pm, WARR-N.C. 1520 & 5:29pm WRHC-1550 Fla. s/off, WRHC did have SSB. 12/19- 1:35am, GG-1566 in like a local, even on TRF. 12/20- 5:13pm WJCA-1570 N.C. & WLSG-SC., s/off, no SSB. 12/28- 12:06am, WNST-1600 W. Va. in on ET, off @ 12:58am. 1/3- 5:30pm, WPAW-730 S.C. s/off, no SSB. 1/5- 6:01pm, WTWB-1570 Fla. s/off, no SSB. 1/9- 6:15pm, KRWN-1320 Ark. s/off, no SSB. 1/13- 12:16am, 1557K, waiting type mx, who's this? UniD language to us. Still 1/13, 5:56pm, WCCF-1580 Fla. off w/SSB & 6:29, KOLS-1570 Okla. off w/SSB. 6:52pm, my uniD tester has back on 1580. 1/14- 5:43pm, WJES-1190 S.C. off w/slow Dixie. 1/16- 6:29pm, WRZL-880 N.C. off, no SSB. Remember, no news may be good news, but no MUSE is bad news. Write? PS- The monthly s/off list is great!

MUSINGS DEADLINES ARE EACH AND EVERY MONDAY EXCEPT SAT. FEB. 17 WITH MON. FEB. 19 A HOLIDAY.

WELCOME TO A NEW MEMBER FROM NEW YORK'S CAPITAL

AL QUAGLIERI - Box 687 - Albany, New York - 12201

Hi folks. It only took me 14 months to get off my behind and join NRC - I hope to become a regular contributor. I'm 29, a musician by profession, and a DXer since 1972 when Radio Americas ruled 1160. SLS I value the most include KOKL-650 (in 1965), WIRD-920, & KOMO-1000 (1978). I enjoy listening but am not a verie freak. Current projects include hearing all N.Y. & Vermont stations, mainly because I find daytime DX particularly challenging. Best recent logging is R. Perija, Venezuela-540 on HM a few weeks ago. My HQ-100A died for good; I will probably pick up an old SP-600JX to hold me over; I can get a new (unpacked) HQ-180A for \$500 - is it worth it? Antenna is a huge loop from plans in a 1965 Ben-elux DX Club bulletin. I am currently in the process of moving, but have done most listening from a site about a half mile from WOKO's XR, you wouldn't believe the overloading! I have some questions I hope someone can answer, like the uniD XR heard on 890 kHz on 11/6/78 @ 1930 G (while listening to WLS), with announcer "This is KGS-8-1-0, Boston, Massachusetts." Any info? Also, where is the XR I occasionally hear on 860 (NOT Clarin) around 0800G running all SS NX, no ads, with NX items separated by four pips, an ID "Radio Nacional" & time check? Does WABC ever have an SP? Also, (furthermore), two off-channel loggings, one of WCBG, Chambersburg, Pa. evening of 8/23/78 on around 1610 kHz (no answer to report), & a curious appearance of WKBX, Savannah, on 537 kHz on 9/26 evening (this was apparently rebroadcast by a pirate) as letter from station stated that close checking by their staff and by the FCC showed no such signal from their XR; can anyone shed some light on this crap? Thanks and best wishes to all, from the Chairman of the "Don't Judge Albany by WPTC Committee."

STAN MORSS - Route 3 - Bradford, Massachusetts - 01830

1/12- WDM, ex-WDEN-1570, in u/WPEP, & after WPEP s/off @ 4:44, dominant on their s/off, o/WKOL, who returned my cassette. 1/13- WEXM-1520 o/WTGR till about 5:02pm - usually WTGR is in @ 4:30 and that's about it - cassette & report sent. Box score this season, 29 new stations, four on daytime RS, and five in early AM, and 20 at SSS, which proves something. 1/16- WAKS, ex-WNEL-1430 Medford-Boston, all-disc station, caught @ 9:55am on car radio, then home - solid disco 55 minutes, then NX, etc. WDM vede & QM in promptly, very friendly bunch. Swing with WAKS!

MOTHBALL MEMORIES

CHAPTER III - DXING FROM FLORIDA IN THE MID-SIXTIES; AND WSPB-1450 -by STEVE KENNEDY.

DXing from Florida is not like those who live in the Central portion of the continental U.S. Florida ss we all know is a peninsula - surrounded on three sides by water, all of which makes this state an interesting place to DX. When I started DXing in 1964, the AN & NSP stations were not as common as today. In my home town of Sarasota, there are four stations, WKXY-930, WSAF-1220 (now WQSA), WIND-1280, and WSPB-1450. These stations caused a lot of mixing products in my old HE-30 receiver, but DX was heard. Since I did not become aware of the use of a loop antenna until 1971 when I joined the NRC, I used a longwire. DX in the mid-60's generally consisted of hearing Cubans, Mexicans, U.S. Clear Channel stations, and only four Canadian stations. Before PJB in Bonaire, Netherlands Antilles started broadcasting on 800 kHz, I could easily hear CKLW-800 quite well. During these days, relations with Cuba was quite poor and a Cuban would be moved all over the band. The old HE-30 would have W.L.-870, or KCTA-1030 booming in during daylight hours - even at noon. Radio Swan/Americas was a potent signal in those days as well as VOA-1180. The only English speaking Cuban station was CMCA-830 which hailed itself as the "Friendly Voice from Habana, Free Territory of Cuba." In Sarasota, the Miami Cuban stations would boom in, and there would be the systematic jamming WQBA-1140. Since I didn't have a tape recorder in those days, I haven't any airchecks of those old memories. During the 60's also there was a widely heard program with Garner Ted Armstrong, "The World Tomorrow." This program had a wide following which included myself, and I would listen for DX catches which carried the program. In fact because of it, I was able to verify about ten states which I haven't heard since. During the Summer months MW DXing has to take a back seat because of the powerful thunderstorms which prevail during the warm months. Tampa-St. Petersburg area is probably the worst area, as this is the area where the most frequent T-storms occur in the U.S. Today DX is still much the same. Florida is one of the best locations for DXing for LA DX, SRS, and some TA DX. I have heard over 32 countries on MW over the years on MW. During the Winter months LW DX is possible with France on 164, and Morocco-209 quite easily received.

Of all the stations this writer has ever heard, & been associated with, one station stands out as being one of the finest medium market stations on the air - WSPB-1450. They are Sarasota's oldest & first station, being on the air since 1939. It is located on leased land on City Island across the bay from Sarasota. The antenna is located right on the water's edge and this one really develops a strong ground wave. Until 1964, the main XR was an RCA 150 watt BC-250 which was made in 1938, and is still in use as a stand-by transmitter. The station has had only two Chief Engineers - Jimmy Grant, who is with WQSA-1220 who worked as CE until 1954, and the present CE, Jerry McGougan. Both CEs are personal friends of mine, & both remember when I was a kid and I would hang around the stations almost every Saturday. WSPB had a 157' tower until 1973 when it purchased a 285' self-supporting tower from an FM operation which went defunct in 1968. The tower had to be carried intact in one piece on a barge to its new and present location. When WSPB purchased the present RCA BC-L1 in 1964, it has been reported heard in over 38 states, and as far as Australia! WSPB may be called Sarasota's only "International" station.

WE HAVE MORE MOTHBALL MEMORIES ON HAND FROM PETE KEMP, GARY SIMPSON, GARY SIEGEL, AND BILL WURTZEL. NEXT WEEK WE'LL LET PETE KEMP TELL US ABOUT "THE LONE RANGER."

REMEMBER IN YOUR MUSINGS TO LIST YOUR DX CATCHES BY DATE, TIME, & FREQUENCY, AND PLEASE USE E.L.T., A.M. & P.M. FOR YOUR TIME MENTIONS. PLEASE DOUBLE SPACE, AND REMEMBER 30-LINE LIMIT.

### LIKE MUTT AND JEFF, HE HAS A TRF

**BILL BERGADANO** - 39 Marble Street - Staten Island, New York - 10314 212-698-4735 1/15/79  
I've decided to go to the ST. LOUIS Convention, on one condition - that I'm not the only one who will be sick when viewing ERC's QSLs, hi. Let me apologize for the mistake I made in my last (and first) Muse, I referred to my receivers as XR's, when I should have typed XCVR's. (We use "RX" for 'receiver' in DX NEWS, Bill - ERC) Guess I better learn to type better. On to the DX: WSUN, St. Pete, Fla. at local strength, 1/15, @ 2:38am, with local WX. (Speaking of WX, ERC, the 'wrp' in my last Muse meant Weather report, guess I'd best forget S. terms for M's, hi). An unreal catch was WESC, Greenville, S.C. in the WNBC null, only ND'er I know with a null. WCPC 1/8 w/local-type signal, 6:04-6:15pm, no SSB, my first Miss. station. 1270 yielded CJCB 1/15, 1:05-1:09, losing to CMGH, Cuba, w/CW. (Not that it lost because of the CW - it would've lost to CMGH if it was disco, hi), & on 1550, WMOO, Mobile, Ala. 2:09-2:11 w/TT, they s/off before I could give RAY ARRUEDA a call.

### AND NOW - THE MASTER!

**BILL WURTZEL** - 32 West 31 Street - New York, New York - 10001 1/6/79  
My Panasonic RF-2200 is working well. I plan to add an SM-2 antenna to it soon. I took the Sony ICF-5900 to my mother's in Passaic, N.J. and use it there. On the night of 1/3 I heard a funny program over CBE-1550 called the CBC Radio Movie of the Week. It was a humorous take-off show on religion, and it sure was funny. I didn't think the Canadians were so open-minded. The time was 8:15-8:30pm. On 12/31, New Year's Eve, the RF-2200 picked up nice signals from WHO-1040 Des Moines and CHUM-1050, Toronto. The RF gain really helps a lot in hearing weak signals. Today we had our first snowfall of the season, about four inches. That should make for great DX tonight. I hope to hear from as many Qub members as possible. I promise to answer everyone without rhymes. Thank you BOB GREENLEE for the nice letter from KADE in Colorado. KADE needs a power increase!

### NO NEW DX

**WARREN E. GREENBERG** - 145 Cottage Road - West Roxbury, Massachusetts - 02132 1/16/79  
No new DX to report from here. The only thing new here is that there has been a call change in Boston. The station is WHUE (ex WAQC) on 1150. The format is now beautiful mx. They also have an FM outlet on 101 mHz. Boston also has a pay TV station (Ch. 68) which puts out a scrambled signal. If anyone has any information on how to unscramble a signal like this I would like to know how it is done, any information would be appreciated. That's all for now. (That's easy, Warren - Subscribe! Hi -ERC) 73s.

### WHAT'S NEW? VERY LITTLE

**ERNIE COOPER** - The Cape Tip DXer - 5 Anthony Street - Provincetown, Massachusetts - 02657  
Please note my zip number is 02657 and not as listed recently at the head of the column. No zip or the wrong zip slows your mail down by two or three days sometimes! One v/L-CM, WEAT-850, but 'twas already verified from Brooklyn in '52 on 1490, so it doesn't count. This week's typing was a lot of work, but it's pleasant work, kiddies - keep it up! DX: 1/17- Unn semi WBBX-1380 on w/ST/mx @ 1:54. Somebody on 1250 with Larry King. 1/18- UnID FFC making it in occasionally on 1240 circa 1:32am. A mystery SS showed up on about 643 kc/s. or so today, & I taped it but I don't catch any ID on it, and it has not been heard any morning since. 'Twas heard 2:27-3:14am. 1/19- TTer w/WBT-1110 @ 1:20-2:04+, no IDs heard. A TTer on 1310 around 2:48am too. WNET-1330 has again quit AMing. 1/20- WNTN-1550, semi-local, Eling w/mostly OC most of the AM. TT-1480 2:04-2:11, no IDs noticed. SM 1/21- WBT now has a disco thing till 2am, then s/off till 6. I heard WX for Cape Cod on WML-870, New Orleans, today! WPTX-1540 off RS @ 2, then Tting - if ever a station needs to test, this is it! Lots of OCs around the dial, like on 710, 810, 1110, 990, 860. Unn CKJD-1110 Loud @ 2:55, is their pattern askew, RON SIBBITT? MM 1/22- Somebody in Ohio s/off 1320 w/America @ 1:16, likely WHOK, who uses that as their s/off mx. There's a Cuban on 900 now. No WCFL -1000 noted as early as 1:50am, all SS there. "R. Eco"-940, Cali, doing well w/the Cuban Minute Man for a report, 3:03-3:30. Old friend & unn RADKA-640 o/CMQ w/Hindi mx @ 3:35. La Voz de Simu-1160 strong @ 3:44. TTer on 1570 @ 3:52 & @ 3:53 it sounded more like high speed Morse code, o/u CKLM. 1/23- A real hard try for WHEO-1310 r/c, but only faint TT heard @ 12:08-12:15, no announcements or mx made it. Morse code IDs would help, so would band mx! But, a newbie bagged was WNVN-1380, ex-WOWW, announcing "14-NVR, Greater Waterbury" w/rr 12:49-12:54 when they disappeared & didn't return. So, that's it for another week as things stay AU around SSS but seem more "straight" after midnight.

HQ thanks you musers for the fine support. Please continue. DX News will continue to appear weakly, er weekly on February 12, 19, 26, March 5, 12, and 19. Thereafter look for DX News on April 2, 16, May 7, 21 and June 11. Articles should be submitted at least ten days before the cover date and editor deadlines are generally 14 days before the cover date.

## BOOKLET PUBLICATIONS FEATURED

### RECEIVER REFERENCE MANUAL

72 pages--2nd Edition  
Contains these articles:

- Redoing Older Receivers for MW Reception
- Review of Drake SPR-4 Receiver
- Review of Lafayette HA-600 Receiver
- Comparison: Collins R-390A & R-388 Receivers
- Review of Realistic DX-150A & DX-160A Receivers
- Review of Hallicrafters SX-122A Receivers
- Capsule Review of Hammarlund Receivers
- Random Thoughts About Receivers
- How To Live With A Budget Receiver
- Receiver Hot-Rodding Hints
- Modifications to the Hammarlund HQ-150 and Similar Receivers
- Selectivity Devices and How to Use Them

### ANTENNA REFERENCE MANUAL

60 pages - 3rd Edition  
Contains these articles:

- The NRC FET Altazimuth Loop
- Some Tips on Loop Construction
- Random Thoughts on Construction of FET Altazimuth Loop Antenna
- A One-Transistor Loop Amplifier
- Direct Coupled Loops
- The BCB DX'ERS' Beverage
- Antenna Tuning Devices for Long-wires on the MW BCB
- Alternate Methods of Air-Core Loop Amplification
- The NRC Two-Foot Loop
- HQ Tries The Space Magnet
- The Space Magnet--How Good Is It?
- Modifications to the Space Magnet Antenna
- The Degenerate Loop--An Excellent Antenna Coupler
- Balanced and Unbalanced Loops

Both publications are available, for \$2.50 each, from the National Radio Club Publications Center, P.O. Box 401, Gales Ferry, Connecticut 06335.

Also available from the Publications Center are THE NRC DOMESTIC LOG, \$6.50 to members and \$7.50 to non-members; THE NRC NIGHT ANTENNA PATTERN BOOK, also \$6.50 to members, \$7.50 to non-members.

# PLAN NOW FOR ST. LOUIS LABOR DAY WEEKEND

## Clear-channel voices of America

An editorial in the Miami Herald

**T**HE FEDERAL Communications Commission tells us that the great long-range radio stations of America soon will go the way of the Burma-Shave sign. We felt a special sadness upon hearing this announcement - on television.

In radio's youth, these large stations were allowed to broadcast with 50,000 watts of power and were given "clear channels" that could, without interference, range up to 750 miles at night.

They carried the jazz of Harlem and the country music of the South across the night air to young men and women imprisoned by the small-town society of America's heartland. These stations brought many of us the news of a new world out there.

Jay Andre, who played classical

music all night on Chicago's WBBM, was a Midwestern institution.

Many of these stations played rock 'n' roll in the early 1950s, when gas was less than 25 cents a gallon and earning a driver's license was part of growing up. The music on the stations was banned in many homes, or sneered at by parents. Radio stations such as WLS in Chicago, and WA-Beate-C in New York, and WHO in Des Moines, were for the nights when one was alone in the car, with only the radio and the white lines on the highway for company.

Times have changed. Our cars can go 100 miles without needing another quart of oil, and the bank owns a major portion of them. They have air conditioners, tape decks, FM radios. The windows are closed, but the drivers have CB radios and can talk with one another, mimicking the

slang and the Arkansas accent of the old country disc jockeys.

WBBM is all news, and WNBC is indistinguishable from an FM station. The late-night blues show on KAAY is no more.

Perhaps it's for the better. The networks no longer will be able to monopolize the revenues of these channels, and the new stations that will be allowed to share their frequencies will give more voice to minority groups.

But we will never forget a summer morning at a street light in Kansas. Two cars are stopped, side by side, and through the windows comes the sound of the same radio station, 500 miles away. A smile is exchanged and a fleeting bond is formed. Serendipity. A memory of a time soon to be lost forever.

Stephen J. McIntire

### BONER'S ARK



VERIE SIGNERS

Table with columns for call letters, frequency, and station names. Includes sub-sections for CREDITS and VERIE SIGNERS. Lists stations like Stan Morss, Ray Arruda, Don Davis, Bill Whitacre, etc.

We have a few more on hand, but we urge all of you who verify to support this column, which is one of the best ways you can help your fellow DX-ers! And to those who do not send for veries, we remind you how exciting it is when you get that much-wanted verie, and we suggest that you are missing out on a lot of thrills, and something for your permanent files to remind you of your happy logging of the stations. Try it!

WHO radio facing end of an era

By Gregory Jaynes

DES MOINES, IA. — An Ozark Mountains whittler once said that dull, flat land produces dull, flat men. The old rustic must not have owned a radio, or else he would have heard, as anyone in America can on any given night, the soft warblings and sharp ruminations of a number of minds in Iowa, a state that could have been shaped with a rolling pin.

In towns where a milk truck still brings the sun up as a hound bays somewhere far off, and in metropolises where sirens serve as wakeups before first light, WHO Radio on Walnut Street in Des Moines comes in clear as crystal. From Sacramento to

Sarasota, from Bangor back to Seattle, you can hear how many hogs were butchered in Iowa (314,000 the other day), and how many head of cattle (155,000), and what the price of choice heifers is likely to be that day.

This has been made possible by the Federal Communications Commission, which thought it a good idea in the 1930s to allow a few radio stations a clear channel and a 50,000-watt signal, thereby bringing them within earshot of nearly everyone in the United States, no matter how far back up a holler they might be.

Now the FCC has learned that, should the country's 25 clear channel stations be phased out, fewer than

four million people would be outside the reach of nighttime radio. It has announced it will reduce the range of the powerful stations to make room for at least 125 new AM operators.

Also, the Carter administration has revealed plans that might allow for as many as 700 new stations. It is hoped that a significant number will be owned by members of minority groups.

Whichever plan is accepted, it will be the knell for a chapter of Americana. No longer will WABC, WNBC and WCB in New York be heard in Tijuana. Canadians will lose

WHO —

← 1st column below

the Grand Ole Opry, which they have been getting courtesy of WSM in Nashville. And much of the nation will lose its touch with the agrarian programming of WHO in Des Moines, the only station in the country with a four-man farm news department.

Abé Barron, general manager of WHO, appears these days as troubled over the costs of the decision as over his station's potential drop in revenues. Although the station's shore-to-shore signal has brought it no national advertising accounts, 55 percent of its earnings come from farming interests in a large portion of the Middle West.

Barron finds it hard to think of WHO, a 54-year-old institution where Ronald Reagan broke in as a sports announcer, becoming just another local station in this metropolitan area of 300,000.

"I don't have put down on paper what happens on Day X, the day we lose the clear channel," said Barron. "I really don't know. People have grown up listening to WHO. I grew up in southern Iowa listening to it. Everybody had lunch with the 12:30 news. There would just be something missing that wouldn't be available anymore."

One can easily imagine Iowa

stepping for lunch with the WHO news. Of its 952 towns, 925 have populations of less than 10,000. In these towns, according to Barron, one of the most popular pieces of WHO programming is the traffic report in Des Moines, filed from a small plane by a local pilot called Captain Jack.

"I don't know why it's so popular," Barron said, adding that he also didn't know why WHO needed a traffic report: "We only have one main street, Fleur Drive."

There is little music to speak of on WHO during the day. There are two two-hour news programs, two farm programs and two talk shows. "If they'd teach these kids what good hard labor is," a caller said on one show the other day, "they'd be too blessed tired to get into this orneriness."

One of the talk-show hosts is Jim Zabel, who also serves as sports director. Zabel obviously enjoys the station's clear channel status. "One time I had a show for Des Moines Savings and Loan," he recalls. "I said if you can't make it to Des Moines, send your check to me and I will personally deposit it for you. A guy from Ketchikan, Alaska, who has never been here, sent me a check for \$8,000. Now that's an indication of station loyalty."

Zabel also found a fan in Birmingham, Ala. "She asked me to send her my picture and said she'd send me hers. There she was lying on a hood. Must have weighed 280 pounds. Looked like a trophy coming out of the woods."

At night, from midnight until 5:30 a.m., WHO turns to what clear channels are beloved for: Music for drivers out on the open road. In most cases, it is country music, with a backbeat that sounds like nothing so much as a hobnail boot on a rough plank floor in two-two time.

"I'm after that 23-year-old truck driver who likes to boogie a little," said John France, WHO's all-night disk jockey and a former truck driver himself. During the night France received calls from drivers, insomniacs, and shut-ins in Georgia, North Carolina, Pennsylvania, Texas, Utah and Canada, as well as from a man 80 miles north of Mexico City who said, "You're coming in loud and clear."

France turned his microphone over to Keith Kirkpatrick, farm editor, at 5:30 and, after "Moments of Devotion," Kirkpatrick regretfully read the news. "The news is just horrible," he said, wanting to get on with his farm report. "Yuk. Just gristly. Rape and murder and pillage."

By daybreak, Kirkpatrick was deep into the prices of choice steers and fed heifers, and people were beginning to stir in a state so flat that, from the highest low hillock, you can almost see tomorrow.

Carl Mann

In Brief

FCC commissioners are to be presented in next several weeks with "comprehensive set of options for radio deregulation"—not simply options for experimental deregulation in several markets. Staff is proceeding with work on proposals for test deregulation—involving ascertainment, commercial time and nonentertainment programming requirements or guidelines—as directed by commission three months ago (BROADCASTING, Oct. 23, 1978). But Chairman Charles D. Ferris, in memo to staff members, said options to be presented should also include evaluation of all rules governing radio station operation, except those involving technical requirements. Chairman asked staff to identify rules that should be subjected to deregulatory experiment in selected market, called for draft of options by Jan. 12 so that matter can be scheduled for consideration "no later than early February."

Bob Foxworth, we think