



DX NEWS

The magazine of the
National Radio Club

— SINCE 1933 —

Volume 57, No. 11 - Dec. 18, 1989 (ISSN 0737-1659)

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CPC Tests ... WADN-1120 Concord, MA will conduct a DX TEST on January 8, 1990 from 2:00 am ELT to 2:30 am ELT. Test will be conducted using 5000 watts Directional (basically west). Programming will consist of 1 kHz test tones, Morse Code ID's and vocal ID's by both male and female announcers. Correct reports will be verified by Mr. Michael Klein NV1L, WADN Radio, Damonmill Square, Concord, MA 01742 (or report via NV1L QSL Bureau), Arranged by Michael Kline with assistance from Peter George and the Colorado CPC Machine for the NRC.

WILD-1090 Boston, MA will conduct a DX TEST on January 22, 1990 from 2:00am ELT to 2:30 am ELT. Test will be conducted using 5000 watts non-directional. Programming will consist of 1 kHz test tones, Morse Code ID's and vocal ID's by both male and female announcers. Correct reports will be verified by Mr. Michael Klein NV1L, P.O. BOX 2181, Lynn, MA 01903 (or report via NV1L QSL Bureau). Arranged by Michael Kline with assistance from Peter George and the Colorado CPC Machine for the NRC.

WKMT-1220, P.O. BOX 1220, Kings Mountain, NC 28086 will be conducting annual Proof of Performance tests on Saturday morning January 6, 1990 from 0100-0300. The test will run at both 1000w and 105w non-directional. The program will consist of audio tones between 100 hz and 10,000 hz, white noise, music and both voice and Morse code ID's. The tests will be completed by 0300, and the station will be on automatic operation with interspersed Morse code ID's until 0600 when regular programs will resume with Southern Gospel Music. Direct all reports to Mr. Don Holtzinger, CE. Don would appreciate info on signal strength, band conditions and fading, co-channel and adjacent channel interference, and if you have C-QUAM Stereo whether or not

the stereo light lights up! Arranged by Tim Hall and the Colorado CPC Machine for the National Radio Club.

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

WKEN-1600 Dover, DE will test Monday morning January 15, 1990 from 0200-0400 ELT with tones, music, many ID's, with 5000-watt day pattern. Pre-paid phone calls accepted at (302) 674-1234. Reports go to Dave Schmidt - WKEN - P. O. Box 553 - Dover, DE 19903 (arranged by Dave).

DX Time Machine

From the pages of DX News

Twenty-five years ago ... from the Dec. 12, 1964 DXN: The American Shortwave Listeners' Club announced that they were dropping their BCB section and would recommend the NRC to all inquirers about BCB clubs ... high school student David Nager, Bronx, NY, reported recent loggings of CKAC-730, WIOD-610, CFOR-1570, KQV-1410, WGR-550, WCCO-830, WBAP-820, WRVA-1140, CKWS-960, CKEY-940, WBBM-780, WMAQ-670, WPRO-630, WIND-560, and R. Americas-1160.

Ten years ago ... from the Jan. 7, 1980 DXN: Ernie Cooper recommended Steve Bohac, Fairview, NJ for Hammarlunds and R-390A/URR receivers ... Wayne Cordell of Blue Ridge Communications, Weaverville, NC offered his services in repairing Hammarlunds ... postcards could be mailed for 10¢, first-class letters for 15¢ ... Wayne Heinen's first Verification Game column appeared ... Ernie reported his #4,127 veric, from WCXI-1130 ... and Pete Kemp reported on radio news from New York.

AM Switch

Jerry Starr

c/o WHOT Radio
4040 Nimon Road
Youngstown, OH 44512-1320

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

CALL LETTER CHANGES

Old call:	New call:	Old call:	New call:
1100 KVEE CO Grand Junction	KJYE	1480 WYDF HI Yault-Invillie	WDIX
1220 WCHP TN Etowah	WDRZ	1530 WJGR FL Jacksonville	WJGC
1280 KJOY CA Stockton	KJAX	1550 WCHH TN Caddy Daboy	WTYR
1290 WPVA VA Colonial Heights	WSTK	1570 WNNH HI Harvey	WBEE*
1360 WMNE WI Menomoneie	WMEQ	1580 KNIX A. Tempe	KCWW
1440 WCHB MI Inkster	WMKM		

Call note: WBEE-1570 was WMNN (Money Radio) for less than two weeks due to their listener's overwhelming negative response to this change from one of the country's oldest sustained jazz formats. To fulfill contractual commitments they are now programming 16 minutes of Money Radio and 44 minutes of jazz per hour and as of 11-22-89 have returned to using the call WBEE. DXers who logged them as WMNN have a rare treasure in their books.

APPLICATIONS FOR NEW STATIONS

None

GRANTS FOR NEW STATIONS

1400 MI South St. Maries: 750/250 III

APPLICATIONS FROM EXISTING FACILITIES

670 KMVP CO Commerce City: day power to 7500 watts
1600 KOGT TX Orange: reduce power to 750/250, antenna to III

GRANTS TO EXISTING FACILITIES

820 WARL VA Cloverdale: antenna to III
1340 WYCB DC Washington: relocate XR

OTHERNESS

1290 WSTK VA Colonial Heights: silent as WPVA is back ON THE AIR
1390 KHOB NM Hobbs: this silent station has been sold, new owners expect it to return to the air soon
1600 WQBR FL Atlantic Beach: silent station is back ON THE AIR

THANKS

To the following NRCers who sent in contributions this issue: KEN ONYSIUK, DICK TRUAX and GORDON SHUMWAY.

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

CITY QUIZ

John S. Bowker, Valparaiso, IN

quiz # 43

Only one city in the United States has stations operating at the five dial positions shown below. Of course, there may be other stations in this city too! Can you spot the city?

600 680 750 1010 1090

Here is a hint: it is one of these: Atlanta, GA; Portland, OR; Baltimore, MD
(The answer will appear at the end of the next City Quiz in DX News.)
The answer to City Quiz # 42: Buffalo

Domestic DX Digest - East

William Hale

734 Burlison
San Marcos, TX 78666

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

MEDIUM WAVE ramblings

■ The time has finally arrived when that jolly old elf will be visiting soon. So, no matter how you celebrate, may you and yours be blessed with the spirit of the season. See you next year!!!
■ Remember, Chris needs your scans. Chuck needs your International stuff. Tony needs your updates. Al needs your musings. Wayne needs your DX (Mountain Time Zone & those west of there), as well as stamps for CPC. Let's get involved. We're the only MW Radio Club you'll ever ever need.

SPECIAL

590 WKZO MI KALAMAZOO - 11/23 2300 out of BRN+CBS Nx; now BRN day & night (RW-IN)
730 CHYR7 ON LEAMINGTON - 11/20 AN with feed from Music radio net and Standard Broadcast Nx @ :00; appears MM SP is now just a memory (CR-ON)
1010 KBIS AR LITTLE ROCK - 11/19 1800 with ID and into BRN Nx; now BRN RW-IN)
1030 WNTL MD INDIAN HEAD - 11/17 1730 sign-off; with new CLS, weird mx (RW-IN)
1052 WJTB OH NORTH RIDGEVILLE - 11/18 noted on this frequency from 0715 sign-on 'til 1715 sign-off; signal very strong, comparable to what they usually put out on 1040 (which was dead), but quite distorted; programming during the day was SS, B:REL, B:TLK & mx; back on 1040 11/19 (CR-ON)
1220 WKRS IL WAUKEGAN - on with Tom Snyder M-F to 0100 per Chicago Radio magazine RW-IN)
1230 WMPC MI LAPEER - 11/20 AN with EZL mx & soft-spoken DJ mentioning now on 24 hrs/day; probably NSP (CR-ON)
1370 KFON TX AUSTIN - now using these CLS & IDing as All-talk 1370, K-Phone, KFON, Austin; drops all-instrumental format for EZL/chit-chat in AM drive, and ABC Talkradio segments rest of day including all-nighter (Ed.-TX)
1380 WRKG OH LORAIN - 11/20 AN with NOS & female DJ; probably NSP now (CR-ON)
1430 WXTZ IN INDIANAPOLIS - 11/19 2000 with ID L&C; now with E2-1430 non-ID (RW-IN)
1510 WXVX PA MONROEVILLE - 11/17 2007 with sign-off more than 3 hours after their LSS; by the way FCC rules read, should sign-off at WLAC LSS (1745 Nov) or if outside WLAC's .5mv/m 50% skywave contour, they could stay on 'til 1900; judging by their programming, station probably has a 0 rating and not even the FCC listens, so no action taken; sign-off sed they are in the process of increasing their power and are also attempting to go fulltime; maybe they're doing it one hour at a time (CR-ON) [I thought someone once commented that all stations had received some sort of nighttime power authorization-Ed.]

UNIDs AND UNIDs IDd

1310 UNID ?? - 11/10 1700 fair with sign-off with mention of 5Kw; was actually signing off at sunset! Didn't know that happened anymore (LMc-NY)

TIS & OTHER

530 WNLC915 TX HOUSTON INT'L AP - 11/20 1420-1423 with 2-minute loop ID: This is WNLC915, The Houston Airport Radio System Network and into freeway exit info (SHP-TX)
1610 KON347 TX HOUSTON HOBBY AP - 11/20 1315-1320 with 3-minute loop, ID: This is KON347, Hobby Airport Travelers Information Radio (SHP-TX)

WONIGHT TO MIDDAY

540 WSTH GA COLUMBUS - 11/20 0154 giving call ID as South-106, WSTH AM & PW+list of winners in the South-106 Dollar Holler contest followed by ad for the American Will Kit+16 in a row on South-

106; Log shows a MM SP but appears to be NSP; good with CBEF nulled and no sign of XEWA (CR-ON)

CBK SK REGINA - 11/10 0630 fair with sign-on (RK-IL) [Hey, how about those Rough Riders!!!]

WNAX SD YANKTON - 11/25 0110 fair with Nebraska/North Dakota/South Dakota/Minnesota/Iowa wx; CW w/over/under; WKBN (HF-MI)

600 KTBB TX TYLER - 11/24 non ID for Lark & Ranch Nc, mka @ 0749+nx (pls-KS)

630 CFCO ON CHATHAM - 11/25 0125 good with Muscle Building ad for Dan's Used Furniture; CFCO Rx Center; POP mx (HF-MI)

670 KWXI AR GLENWOOD - 11/24 non ID for Backstage Country @ 0755+ARN Nx with Russ Morgan; 0800 ID; KXYI, Diamond Hot Springs+NBC Nx (pls-KS)

680 KKYY TX SAN ANTONIO - 11/24 under KFLA @ 0801 with nx, ad for West Platte(?)Bank, promo for an upcoming Samoa at a boot store (pls-KS)

690 WVOK AL-BIRMINGHAM - 11/24 0810 report for Johnny King, Mky Rover traffic, ...here at your weather station, WVOK+Havit Went Down to Georgia (pls-KS)

WNZK MI WESTLAND - 11/10 0730 with SSB & sign-on poor in WHAQ sloop (RK-IL)

KSTL MO ST LOUIS - 11/10 0745 fair with sign-on (RK-IL)

720 CHTN PI CHARLOTTE/TOWN - 11/26 0820 good with CHEN Superwet, 6-in-a-row; POP mx with dedications on Romantic Request Hour; Today's favorites non-stop on 730, CHEN, over WLN 111 0542 (HF-MI)

740 CBL ON TORONTO - 11/10 0458 good with O Canada & sign-on (RK-IL)

760 KMTL AR SHERWOOD - 11/24 0813 w/ad for A 1 Home Levelers, Weightwatchers, Gospel Lights Concert in Little Rock+GOS mx (pls-KS)

KMTL AR SHERWOOD - 11/26 0810 strong, all alone with Olivia, ID, GOS mx with short sermons on the spirit of giving between Olivia (WB-MO)

810 WGRT IN INDIANAPOLIS - 11/20 0657 XLNT with sign-on ...the best in REL programming throughout the daylight hours... (DLH-IN)

880 KIKR TX CONROE - 11/24 0825 in S with CW mx, airing of ads for Conroe Mazda, Garden World, JC Penney, Heritage House Restaurant, Harry's Auto Center, then wx, Sherman Williams ad+CW with 880, KIKR (pls-KS)

890 KBYE OK OKLAHOMA CITY - 11/24 0830 w/SID+Back to the Bible (pls-KS)

900 KHOZ AR HARRISON - 11/8 0702 fair+poor with sign-on (RK-IL)

910 WLAS NC JACKSONVILLE - 11/25 0610-0628 had ads to visit North Carolina, so figure it was them but no CW mx as listed, but Beach Boys mx; a lot of jumble GRM (HH-MDI)

940 CBM PQ MONTREAL - 11/10 0456 good with O Canada, sign-on (RK-IL)

970 WVOP GA VIDALIA - 11/23 0600 fair with sign-on (RK-IL)

WKHM MI JACKSON - 11/4 0137 good with National Lampoon Radio Hour (HF-MI)

990 CBW MB WINNIPEG - 11/10 0558 good with O Canada & sign-on (RK-IL)

1030 WNLT MD INDIAN HEAD - 11/26 0750-0815 good with loop, GRM nil WBZ; fair w/LW, moderate WBZ GRM; ex:WBZE; still REL Church service 'til 0800, then into ethnic pgmng (HH-MDI)

WYSL NY AVON - 11/10 0630 with SSB & sign-on; fair thru WNY; (RK-IL)

1040 KPBX TX DALLAS - 11/24 w/Christian mx: Coming Back, annct. Jack Davis; non-ID: The Beacon, wx @ 0843, ad for All-Tek Security Services (pls-KS)

1090 WFCV IN FT WAYNE - 11/8 0730 fair with sign-on (RK-IL)

KACO TX BELLVILLE - 11/18 1625-1708 with Sun Radio Network pgms, ID @ 1633; AM 1090, KACO, Talkradio for the 90's (GHP-TX)

1100 KKLO MO WEBB CITY - 11/26 0830 good atop channel with ID: KKLO Webb City-Carthage-Joplin+GOS mx (WB-MO)

1210 WDAO OH DAYTON - 11/23 0645 good with sign-on (RK-IL)

1220 KDDR ND OAKES - 11/11 0700 poor in mess with sign-on (RK-IL)

1250 WXXO MI BAY CITY - 11/21 0100 good with sign-off anmts with ...1000 watts non-directional, no mention of low power (HF-MI)

WXXU PA YORK - 11/25 0959-1041 country mx and ads + wx; fairly good but bad WCEM-1240 splash @ times (HH-MDI)

1280 KTTX TX BRENHAM - 11/18 1722-1734 with ID @ 1733; KTTX/KWHI..AM 1280 FM 106, Your Friendly Country stations (SHP-TX)

1290 WKLB KY MANCHESTER - 11/10 0558:30 good with SSB & sign-on (RK-IL)

CJBK ON LONDON - 11/21 0435 with ad for The Basket Case; ID: 1290 CJBK+SID CJBK; POP mx (HF-MI)

1300 WYTL IN TERRE HAUTE - 11/10 0600 poor with sign-on (RK-IL)

1350 KTXJ TX JASPER - 11/18 0059 good with sign-off (RK-IL)

1400 WRJN WI RACINE - 11/19 0100 with sign off; fair in WCGI sloop (RK-IL)

WRJN WI RACINE - 11/23 0630 fair with SSB & sign-on (RK-IL)

1420 KIXT AR HOT SPRINGS - 11/17 0702 good with sign-on (RK-IL)

WINI IL MURPHYSBORO - 11/18 0700 poor with SSB & sign-on (RK-IL)

WKPR MI KALAMAZOO - 11/21 0601 good with SSB, rooster crows & sign-on (RK-IL)

1440 WNFL WI GREEN BAY - 11/4 0106 poor with Neil Meyers & Talknet; temps & Best Western ad (HF-MI)

1460 KGGO IA DES MOINES - 11/20 0347 briefly over WBRN/WBNS with female DJ and A look at the Des Moines wx 4cast...on FM-95, KGGO (CR-ON)

1480 WFXW IL GENEVA - 11/20 0105 fair with sign-off (RK-IL)

WFXW IL GENEVA - 11/20 0559 fair with sign-on (RK-IL)

1490 WAZL PA HAZELTON - 11/18 0630 poor with turkey giveaway promo (LNC-NY)

1530 WKDC IL ELMHURST - 11/10 0718 good with sign-on (RK-IL)

KNBO TX NEW BOSTON - 11/10 0700 with sign-on (RK-IL)

WMBE WI CHILTON - 11/10 0715 fair with sign-on, under WCKY (RK-IL)

MIDDAY TO MIDNIGHT

560 WEAA PA PHILADELPHIA - 11/17 1610 nicely over WHND with Shadow Traffic on EZ-101 followed by ad for Sears and promo for the 8 O'Clock movie on Philly 57 (CR-ON)

WHBQ TN MEMPHIS - 11/25 1719 strong signal and alone with early 60s oldies & jx (HJH-PA)

570 WWNC NC ASHEVILLE - 11/25 1701 with ads for Royal Glass & Sports Unlimited sports store; fair with GRM (HJH-PA)

600 WSJS NC WINSTON-SALEM - 11/17 1710 with local ad, CLs, wx; rare to hear NC on SSS (RW-IN)

WSJS NC WINSTON-SALEM - 11/25 1653 fair with Oldies ROK & promo for NBC nx @ top of the hour (HJH-PA)

WREC TN MEMPHIS - 11/23 1900 loud & clear w/CBS FB, :00 ID (RW-IN)

WREC TN MEMPHIS - 11/25 1730 fair with KY vs TN FB game coverage; not in as well as WHBQ; with GRM from unID (HJH-PA)

640 WEST GA ATLANTA - often 1600-1630 with 64 WGST ID, teletalk pgm (RW-IN)

WJTZ TN BLOUNTSVILLE - 11/17 1710 with ROK, ID over WEST (RW-IN)

650 KUUY WY ORCHARD VALLEY - 11/10 1840 poor under WSM with CW mx, ID (RK-IL)

680 WINR NY BINGHAMTON - 11/27 2105 up briefly with local wx; MOR pop mx; 1st time here, NY #31; poor (HF-MI)

690 WPDQ FL JACKSONVILLE - 11/25 1709 strong with OLD & GRM with unID carrying KY vs TN FB game (HJH-PA)

WPDQ FL JACKSONVILLE - 10/29 1732-1800 good most of period; 1 GRM WVOK; might 690 ads; mx by Beatles, wx, etc; shifted to 10Kw @ 1800 saying good night to listeners outside of Jacksonville (HH-MDI)

KTCJ MN MINNEAPOLIS - 11/10 1742 fair with ID as: KTCJ Twin City Jazz, ads & sign-off (RK-IL)

720 WMXY GA HOGANSVILLE - 11/13 1718 decent signal in null of pesky WGN; OLD mx, ID DLH-IN)

730 WDKT AL MADISON - 11/19 1730 with phone #773-7373, ID (RW-IN)

KSUD AR WEST MEMPHIS - 11/23 1830 with Joy 73 non-ID, GOS mx (RW-IN)

740 WSVQ TN HARROGATE - 11/13 1959 w/CW or country REL mx; full-data sign-off, 6 AM invite (DLH-IN)

760 KMTL AR SHERWOOD - 11/23 1801 good in WJR null with REL mx & sign-off (RK-IL)

770 KJCB LA LAFAYETTE - 11/20 1850 with B:SOL on the Soft Drive at Five; @ 1852 had Sheridan Broadcast N1 & Sports followed by the K-77, KJCB Weather for Lafayette (71), back to mx; all alone with WJR null'd (CR-ON)

KKOB NM ALBUQUERQUE - 11/25 1735 with AC, PSA w/Albuquerque & KOB mentions; 1st time hrd from east of the Rockies; very poor in WBBM sloop (DS-MO)

810 WGRT IN INDIANAPOLIS - 11/13 1730 XLNT with sign-off (DLH-IN)

WSJC MS HAGEE - 11/19 1820 alone; is now GOS (RW-IN)

820 WRFA FL LARGO - 11/13 1731 w/ID, fair with community calendar type pgm; new for me (DLH-IN)

830 WCCO MN MINNEAPOLIS - 11/14 2014 good with Minnesota Timberwolves pre-game with interviews; Sportsnight on CCO; ads for Slumberland & Dayton's Oriental Rugs; GRM from R. Taiho (HF-MI)

840 WBHY AL MOBILE - 11/17 sounding like 10 Kw with REL mx, over WHAS to 1730 sign-off (RW-IN)

KWPN NE WEST POINT - 11/25 1701 good with AP Nx ending+West Point local nx (DS-MO)

870 WWL LA NEW ORLEANS - 11/14 2130 good with Crescent City Wx & This is WWL, New Orleans with studios in the French Quarter; Maurie McGill with nx; succession of REL pxs [What is a pxs????-Ed]... best comment: You've never seen a U-Haul behind a hearse (HF-MI)

880 WBKZ GA JEFFERSON - 11/11 overboard with CIA [??-Ed.] FB @ 1900; ID (during) Penn State/FL FB (RW-IN)

890 KVOZ TX LAREDO - 11/23 1833-1843 clobbering WLS with ad for Laredo Cellular Phones, call ID, alternating EE & SS EZL songs (WB-MO)

910 WRKL NY ROCKLAND COUNTY - 11/4 1711-1738 in & out; IDd around 1711 & later @ 1735; very hvy WBSA/WRNL/WGBI/others GRM; RKL Nx & wx (HH-MDI) [Log sez city of license is New City with mailing address of Rockland County-Ed.]

920 WBAA IN WEST LAFAYETTE - 11/27 2359 poor with sing-off anmts to SSB; new here (HF-MI)

940 KTWN TX TEXARKANA - 11/19 1922 good with Dirty Water by the Standells ad for Texarkana Concrete @ Roy 67 West & Robinson Rd; then had in studio color radar weather report on your weather station, KTWN 940 AM, Rockin' Gold followed by Worst That Could Happen by the Brooklyn Bridge (CR-ON)

6
 970 WERH AL HAMILTON - 11/5 1744 fair with sign-off (RK-IL)
 1020 KRAD OK PERRY - 11/23 automated MUR, non ID @ 2336: A perfect blend of music, KRAD; new (pls K)

1030 KFAY AR FARMINGTON - 11/25 1640/1700 very good with same FB game as KKLL-1100 [see 1100-Ed.]; Northwest Arkansas ads hrd including Chrysler dealer (DS-MO)
 KFAY AR FARMINGTON - 11/26 1811 with call ID: C&W mx; good over KCTA (WB-MO)

1040 WJTB OH NORTH RIDGEVILLE - 11/11 1714 good with SS programming & sign-off; appears to all-SS now (RK-IL)
 WSKE PA EVERETT - 11/10 1659 poor with sign-off (RK-IL)
 WJOR TN ST JOSEPH - 11/11 1801 good with sign-off (RK-IL)
 KPBC TX DALLAS - 11/23 1830 fair/poor with sign-off (RK-IL) **RADIO WCIL AM**
 1070 CBA NB MONCTON - 11/20 2305 fair with detailed Maritime Province wx; over CHOK (HF-MI)

1080 KRLD TX DALLAS - 11/15 2156 good with Dallas nx>CBS Nx @ 0400 to Larry King; You're listening to NewsRadio 1080, KRLD Dallas-Ft Worth; over WTIC which finally took over @ 0408 (HF-MI)

1090 WFCV IN FORT WAYNE - 11/23 nice ID @ 1800>USA Radio Nx; in KAAY null (RW-IN)
 1100 KKLL MO WEBB CITY - 11/25 1640-1700+ poor with Texas A&M vs Arkansas FB, Carl Junction (about 8 miles NNW of Joplin) ads (DS-MO)

1150 KEZQ AR NORTH LITTLE ROCK - 11/19 1736 fair with info about sights around Hot Springs followed by non-ID as Travellers Information Radio AM-1150>PSA for the Arkansas AIDS Foundation @ 376-4567; then had info about the Governor's mansion; AR #70 (CR-ON)

WIMA OH LIMA - 11/12 1635 poor with local nx, jx: The station you grew up with, WIMA Lima>song Rythm of the Rain (LMC-NY)

1160 KFHM TX SAN ANTONIO - 11/26 1810 with call ID: The Big M, alternating EE/SS ads, announcements>ranchera mx; strong, all alone (WB-MO)

1170 WHZI AL HANCEVILLE - 11/20 1745 good with B:GOS mx by the Singing Ambassadors followed by DJ's goodbye: That wraps it up for me but I'll be back tomorrow and God bless you; then into quicky sign-off: You're listening to the inspiration station, WHZI Hanceville-Cullman; no SSB (CR-ON)

WHNE GA CUMMING - 11/19 1730 poor but atop the mess with full sign-off by female; no SSB (CR-ON)

KVUD OK TULSA - 11/25 about 1630 very good on 260° beverage; wiped out on 122° beverage by KUGT (DS-MO)

WWVA WV WHEELING - 11/25 2203 female with Jamboree USA C&W mx with 1170 Band; promos for Wheeling, city of lights; ad for Music Hall Gift Shop; good (HF-MI)

1180 WLDS IL JACKSONVILLE - 11/5 1745 fair with sign-off (RK-IL)
 WJNT MS PEARL - 11/25 2135 good with Mississippi State BKB; ads for Deposit Guaranty Bank & Clearwater Construction; over WHAM & SS (HF-MI)

1200 WBCE KY WICKLIFFE - 11/25 1740 1/45 poor with continuous REL pgm (including very confusing list of affiliates!), then off with address and anncr Jay McDonald (DS-MO)

1210 WBIU LA DENHAM SPRINGS - 11/23 segued Christian mx, non-ID @ 2314: The Power Station, 1210 WBIU; ID @ Midnight: WBIU, Denham Springs-Baton Rouge; new (pls-KS) [Wow, in Roger Winsor's letter, he noted WBIU was killing WCAU as he typed up the report, which was this same night-Ed.]

1270 WKSJ AL PRITCHARD - 11/19 1715 with 95 KSJ non-ID; local WWCA off with XR trouble (RW-IN)

WHYD GA COLUMBUS - 11/19? 2115 apparently overboard with REL mx, Highway 1270 non-ID (RW-IN)

WLSM MS LOUISVILLE - 11/19 1830 sign-off with SSB (RW-IN)
 1280 WIBB GA MACON - 11/19? with GOS mx to 1900; in/out with WNPT who had MBS FB (Packers vs 49ers) (RW-IN)

1290 WCHK GA CANTON - 11/19 1724 good with Alka-Seltzer ad followed by Bob Chase with promo for rush hour traffic reports on WCHK FM-105.7>C&W mx (CR-ON)

1310 WYND FL DELAND - 10/28 2010 alone with female giving CLs, mail address (RW-IN)

1320 WAGG AL BIRMINGHAM - 11/19 1800 good with WAGG, Birmingham SID>services from the Hopewell Baptist Church in North Birmingham with Rev Timothy Justice Woods sponsored by perriman & Son Funeral Service @ 1611 29th Avenue N; WOBL null'd (CR-ON)

1330 WADJ PA SOMERSET - 11/10 1655 with CNN Nx, local nx sponsored by Somerset Auto Parts, Somerset County wx; fair, under WHAZ (LMC-NY)

1350 KTXJ TX JASPER - 11/22 1814 with sports report followed by promo for Southwest FB Conference games on KTXJ-AM, the only station you'll ever need for sports>stock market report; fair with WSLR null'd; TX #155 (RW-IN)

WNVA VA NORTON - 11/25 1600 poor with Norton->Coeville legal ID; new (LMC-NY)

1360 WPPA PA POTTSVILLE - 11/10 1645 good with promo for upcoming Accu-Wx report, slogan Schuylkill County's First Station, WPPA, song Tunnel of Love; 1st-timer (LMC-NY)

WHY TN MILAN - 11/7 2259 fair with sign-off (RK-IL)
 1370 WVMR WV FROST - 11/11 1600 fair but steady with ROK mx by Guns & Roses, Steppenwolf; legal ID spoken: You're listening to WVMR, Frost, West Virginia; new (LMC-NY)

1390 WFMJ OH YOUNGSTOWN - 11/10 1633 with local nx, AM 1390 slogans; fair thru WEOK (LMC-NY)
 WTJS TN JACKSON - 11/23 1850 with wx, Howard Cosell; ruling frequency in WCCI null (RW-IN)

1420 WADX GA TRENTON - 11/16 1800 with full-info sign-off with SSB, way over WHK; gave power as 2500 watts [so update your logs-Ed.]; has a listed nite power as 112 watts, but not used; GA #165 (RW-IN)

1460 WFYV FL JACKSONVILLE - 11/22 1727 with AOR; after song by Warpaint, announced 2-Rock, not afraid to rock and roll>local ad for the Arsenio Hall Show on Fox 30, WAWS-TV; fair with WBKC null'd but lost at 1731 pattern change (RW-IN)

KGGO IA DES MOINES - 11/21 2259 fair with ID & Rock n' Roll mx; ex: KSO (RK-IL)

1480 WQKS KY HOPKINSVILLE - 11/5 2000 fair with black mx & ID (RK-IL)
 1490 WTVL ME WATERVILLE - 11/10 1622 poor under GY mess with Waterville mentions, PSA for Maine Consumer Protection Agency; 1st time (LMC-NY)

1500 WBRI IN INDIANAPOLIS - 11/15 1730 w/canned REL pgm, sign-off; XLNT (DLH-IN)
 1510 CKOT ON TILLONSBURG - 11/11 1700 fair with sign-off (RK-IL)
 1530 WRTP NC CHAPEL HILL - 11/13 1715 ending REL pgm & sign-off anncr (HJH-PA)
 1550 WAAJ AL HUNTSVILLE - 11/23 1752 fair with ID & REL mx (RK-IL)
 WAAJ AL HUNTSVILLE - 11/23 1815 strong WChannel 31 News, promos, etc (RW-IN)

1570 WHOG FL FERNANDINA BEACH - 11/20 1731 good with full-info sign-off; ment'd they are authorized dual-city station identification for Fernandina Beach Florida, St Marys, Georgia; no SSB (RW-IN)

WNMN IL HARVEY - 11/23 1600 with jazz & ID; fair in WGNX-1590 slop (RK-IL)
 1580 WKKD IL AURORA - 11/27 2330 poor with Pure Gold 1580 & not-so-oldies; CBJ QSB; obviously not 250 watts anymore (HF-MI)
 WVKO OH COLUMBUS - 11/12 1553 poor with much noise with lots of CL mentions, message about listener response from PD (LMC-NY)

1590 WCBG PA CHAMBERSBURG - 11/15 1653 good with Franklin County wx, ad for Farmers & Merchants Bank, blood drive PSA with slogan If it's happening in Hagerstown, it's on 92.1 Gold & 1590 WCBG (LMC-NY)

1600 WRBN GA WARNER-ROBINS - 11/22 2010 alone with Power 102 non-IDs, ads, soul mx (RW-IN)
 WAYC PA BEDFORD - 11/15 1735 fair with Radio Pennsylvania slogan, WAYC jx, song Orinoco Flow (LMC-NY)

REPORTERS: (in order of receipt)

CR-ON CHARLES REH//Leanington, ON//R-390A, S-40A, Sanserino Loop, 40" phased loop, Realistic TR-3000 open reel
 DH-IN DAVE HASCALL//Fortville, IN//Superadio * DX-400 + Sanserino * Audiovox caradio
 pls-KS PAUL SWEARINGEN//Topeka, KS//Sharp FV-610 GB, SRF-A1000
 RW-IN ROGER WINSOR//Hobart, IN//
 RK-IL ROBERT KRAMER//Chicago, IL//R-1000, HQ-129X + Radio West Loop, Kowalski Loop
 WB-MO WALT BREVILLE//St Louis, MO//'86 Ford caradio, car whip antenna (in home with 12v marine battery & charger)
 SHP-TX STEPHEN PONDER//vac in Houston, TX//'85 Delco caradio & Toshiba RP-F11
 LMC-NY LAURA MC CUSKER//Ravens, NY//
 HH-HD1 HANK HOLBROOK//Dunkirk, MD//SP-600 with Colgrove Loop
 HH-HD2 HANK HOLBROOK//Dunkirk, NY//SP-600 with 50 Ft LW
 DS-MO DOUG SMITH//on the road near Hannibal, MO//R-71A + 1000' beverages aimed #90°, 260° & 322°
 HJH-PA HARRY HAYES//Wilkes-Barre, PA//Superadio + Superloop
 HF-MI HAROLD FRODGE//Midland, MI//R71A + 185' LW

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

See you in 2 weeks!
 Bill

Domestic DX Digest - West

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

Wayne Heinen

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

I thought I'd take this opportunity to thank all the contributors for their fine support for DDXD-W. My BEST WISHES to all for a Happy Holiday Season.

SPECIAL!

1280 KJAX CA Stockton
11/21 1500 "The new newstalk for the valley KJAX" and MUTUAL Nx. Slogans heard during ABC Talkradio breaks "Talk of the Town" and "Newstalk Radio 12-800" (ex-KJOY) (RT-CA)

MIDNIGHT TO MIDDAY

- 720 KUAI HI 'Ele'ele
11/20 0959 Fair w/ S/on & State anthem "Hawaii Pono'i" in back round MBS Nx, local Nx w/ GM Bill Dahle. (DP-HI)
- 1120 KPNW OR Eugene
11/20 0545 Poor w/ AC Mx & female DJ. Slogan "Radio 11-20 KPNW", 0559 ID "Eugene's most powerful AM radio station, 11-20, KPNW, serving Eugene and Springfield" then Ai Nx. (DP-HI)
- 1160 KSL UT Salt Lake City
11/20 0601 Poor w/ CBS Nx & MST spots, not // KGU-760, 0106 promo "The Morning Team Show on AM 11-60 KSL everyday"; back to the "Best of King" on two hr delay, not // KHVH-990. (DP-HI)
- 1220 CHSM MB Steinbach
11/27 0155 Spot for Winnipeg furniture store; slogan "Radio Southern Manitoba" then CLA Mx prgm "Classics 'til Dawn". Have hrd same on CJRB but no // CJRB noted this AM. (0W-CO)
- 1250 KBRF MN Fergus Falls
11/27 0205 Fair u/ CHSMT w/ local Nx (0W-CO)
- 1260 KPOW WY Powell
11/27 0200 S/off anmt by male. (0W-CO)
- 1260 CFRN AB Edmonton
11/27 0230 Lite Vocal Mx, promo live NHL hky on CFRN, "The Voice of the Oilers". Fair. Condx to North quite good this AM. (0W-CO)
- 1390 KXSS MN Waite Park
11/28 0058 Hrd Call ID for KXSS and also "K?NY" probably their FM, w/ Electronic Zap sounds. In the QRM. MN #15. (0W-CO)
- 1390 KLGX UT Logan
11/27 0105 Hrd Call thru KJJY/KENN/KXSS/etc, then spot local car dealer. Finally logged this call change from KBLQ. (0W-CO)
- 1560 KQYX MO Joplin
11/26 0850 "Sunday Morning Trivia Trip" synd prgm on American Radio Net 0858 spot for furniture store in Neosho; 0859 ID: "this is KQYX, Joplin MO on top all the time" 0900 CNN Nx. Fair w/ KKAA (0W-CO)

MIDDAY TO MIDNIGHT

- 570 KQNG HI Lihue
11/26 1701 Fair w/ KSSK-590 slop w/ ID "Kauai's Kong is AM 57, KQNG Lihue" ending w/ jingle singers singing "KONG"; into American Top 40, (but DJ forgot to air songs #7 & #6). (DP-HI)
- 620 KIPA1 HI Kalaoa-Ke'ahole
11/27 1754 Fair w/ usual KQMQ-690/KGU-760 mixing product co channel w/ "Mele Kalijimaka" (!) by Bing Crosby & The Andrews Sisters; SMN Stardust DJ Don Lucky w/ TC & NOS, Xmtr located across Hwy from Ka'ahole Airport. ID Probably means the other relay xmtr near Na'alehu is on, meaning at night. I can't tell if I'm listening to the main XMTR! (DP-HI)
- 920 KQLO NV Reno
11/20 1955 TLK pgm, "NEWS 92 KOLO" slogan w/ legal ID at the hour as KQLO! NBC Nx. Chg from C&W format. (RT-CA)
- 1130 KSDO CA San Diego
11/23 1942 Sx, ID "San Diego's News Station, KSDO" into ads, o/u CKWX. Usually Dinuba is

55-WDRV
212 SIGNAL HILL DRIVE • STATEVILLE, N.C. 28677

dominant. (RT-CA)

- 1150 KKEY OR Portland
11/24 1030 call ID into REL, on top of jumble BRN Mx u/ probably KEZX soon faded, rare here. (RT-CA)
- 1280 KFMS NV North Las Vegas
11/20 1942 C&W Mx, "KFM 102" w/ Ricky Shelton. o/KCAL & KERN briefly, tried for this for years. Next day at same time KRFD was dominant (RT-CA)
- 1360 KNRB TX Ft. Worth
11/24 1830 ID: "Praise Christian Radio for the Metroplex, KNRB" briefly atop w/ fair signal. (0W-CO)

CONTRIBUTORS!

- (0W-CO) John Wilkins - Wheat Jerm, CO
R-1000, 2'6" loop
- (RT-CA) Rich Toebe - Pleasanton CA
ICF-2010, Sony SRFM40W
- (DP-HI) Dale Park - Honolulu, HI
Sangean ATS-803

THX!

KTCN 1590 AM
105 FM
BOX 413 • WEST HIGHWAY 35
WAYNE, NEBRASKA 68787

International DX Digest

Chuck Hutton

**983 St. Charles Ave., #1
Atlanta, GA 30306**

(404) 892-6211, before 2300 ELT

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

- 660 CUBA Santa Clara CMEB 11/23 0221 Creedence Clearwater and Beatles songs for last 45 minutes. Radio Progreso. Good. (Townshend)
- 660 MEXICO XEAF Tampico, "La Mexicana" rancherita mx, full, slow ID most evenings at 0031. Logged 11/27, no sign of R. infantil from Mexico DF - are they gone? (Swearingen) I don't know for sure but I don't remember them being reported recently - Chuck
- 690 CUBA Cienfuegos CMFB 11/23 0222 same as above // CMEB 660 R. Progreso. Good. (Townshend)
- 700 JAMAICA R. One, Montego Bay 0009 1/28 international nx, tropical depression warning, 0010 "JBC Radio One", into World Of Sports "from home and abroad". Dominant. (Swearingen)
- 720 CUBA Cienfuegos CMFC 11/20 2353 nx in SS by man // CMHC 710. Good. (Townshend)
- 740 CUBA CMHB Camaguey 11/23 0223 same as CMEB 660, fair w/R. Progreso. (Townshend)
- 810 BAHAMAS Freeport ZNS3 11/22 2324 sports, Radio Shack spot, good o/u HJCY. (Townshend)
- 810 COLOMBIA Bogota HJCY 11/22 2324 LA mx, SS talk fair u/ZNS3. (Townshend)
- 840 COLOMBIA HJCK 11/19 0452 mention of Doble (? CH), ranchero mx, good. (Townshend)
- 1030 HAITI Cap Haitien 4VEH 11/20 2341 gospel pgm, sermon by man, xlt o/WBZ. (Townshend)
- 1188 SOUTH KOREA FEBC HLKX noted in EE on 11/25 at 1120-1130 with religious program "Words of Hope". ID as "This is HLKX Radio at eleven eighty-eight on your dial". Address given as FEBC, Seoul 121707. (Hardester)

Mobile Mike Hardester - Okinawa, Japan R70, 2010, Palomar loop
De Beeg Boss Swearingen - Topeka, KS R1000, Sanserino & Martens loop
Bill Townshend - Washington, DC ICF2010

Got a note from soon to be member Bob Young that R. Taino on 830 and 1160 have been reliable and sometimes loud this season for him. As for myself, I listened to Taino 830 on a \$4.98 AM/FM Walkman type radio for entertainment on a recent backpacking trip. Yep, these guys have power..

FM Station Address Book, 3rd Edition

ONLY \$9.95 (Canada, US\$10.45) to the Pub Center (Foreign orders, please write for price)
• Listed by state, city • Includes Canadian Stations • 8.5x11 inches, 3-hole punched • Full-size type

Verification Signers

Wayne Heinen

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

A listing of verification letter signers, contributed by NRC members

Freq.	Call	Verie Signer	Contributer
530	KNJX865p	Philip R. Ulrich PafD	HH
	MD DoT	State Hwy Adm Box 717, Baltimore	
560	WEAZI	Russ W. Mundschenk CE	HH
560	WEBCblz	Patrick Puchalla PD	BW
570	KGRTlhz	Thomas C. Bowie COP	WH
580	CFRAq	W.S. Roach CE	BW
580	KCAPI	Dave Palmer PD	BW
580	WBILru	U/U	RT
590	WOWI	Gene Bridges PD	BW
620	KGWI	Kenn Brown GM	TH
620	WTMJq	John Schweitzer ESu	HF
630	CFCOq	U/U	HF
640	WHLOblmz	David S. Johnson DoE	BW
660	WFANpub	James D. Penn CE	HH
680	CFTRbltz	Cynthia Gordon ESecy	BW
690	WTIXr	Michael Del Giorno PD	BW
740	CBLqz	U/U	BW
740	KATKI	Frank A. Nymeyer O	TH
760	KRZNpu	Daniel Valenzuela AE	OW
790	KFYOlmb	Chuck Kenny CE	WH
790	WSGWl	Cliff Griff CE	HF
810	WBLWlu	Don Nestor PD	OW
820	WOSUblq	U/U	BW
840	KIKNpu	Harry J. Tate P	TH
890	WLZlz	Harry Priestner CE	BW
900	KKAJ	John Meaney PD	HK
920	CBOql	J. Marcel Carriere AudRel	BW
920	CKCYbl	Myles Martinelli	BW
920	KARN	Lee F. Clinton CE	RT
930	WBENblq	David A. May VP/E	BW
960	WHAKbl	Edward J. Hier M	BW
990	KRMOI	James E. Helmkamp CE	SP
990	WEZOp	Randy F. Ohbaker CE	AR
990	WIVKpu	Cleve Hayes	HH
1010	CFRBq	Ron Hopkins	HF
1030	KBZRI	U/U	OW
1030	KCTAlz	Albert Cox OpD	BW
1040	KLHTI	Derald Skinner GM	TH
1070	CBAqlmz	Sylvia Roy AudRel	BW
1110	KGFLr	Sid King GM	SP
1110	KEORibu	Ricky D. Chase GM	OW
1120	KANNI	Tim Hunt CE	WH/TH
1140	KLTKr	Gene Humphries PD	SP
1150	WJBOL	John Hoffman PD	RT
1160	WJJDql	John D. Hurni	BW
1180	WJNTblz	Ann Denley TrfM	BW/SP
1190	KLIFlm	Norman J. Phillips CE	RT
1200	CFGOlz	Tonie Czizler PSecy	BW
1200	WAGEbl	Casey Ritter PD	BW
1200	WOAIq	John Furr TD	BW
1220	WERTI	Penny Sutton M	BW
1230	CILP	U/U	HK
1240	KTLOI	Bob Knight GM	SP
1250	KDHlpu	Jay Corbin GM	OW
1250	KTFJlxz	U/U	WH
1250	WGLIm	James Windsor CE/OpM	HF
1260	WALMI	Tim Culver NxD	BW
1260	WIBVI	William T. Kniesley VP/GM	BW
1280	WGBFI	John C. Cole CE	BW
1280	WKSTlzb	Werner Ulrich CE	HF
1290	CJBKq	Jeff Guy VP/E	BW
1310	CHGBI	Maurice Levesque	BW
1330	KRDGlb	Mike Devore PD	TH
1330	WEYZI	John W. Gallagher	BW
1330	WFBCL	Jim Burnside OpM	BW
1350	KRYTpbu	John Michaels MxD	TH
1370	KAPBlb	Johnny Bordelon M	TH

Contributors

SP	Stephen Ponder	LA
HF	Harold Frodge	MI
TH	Tim Hall	CA
BW	Bob Walker	MI
OW	John Wilkins	CO
HH	Hank Holbrook	MD
BW	Robert Tiara	NC
JT	Jeff Tynan	CO
HK	Howard G. Kemp	NH
AR	Andy Rugg	PQ
WH	Wayne Heinen	CO



Join the verification game!

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

Making the UnID an ID ... by R. J. Edmunds

(Part Four)

Often, when working on an unID station, we hear local advertisements, PSA's, newscasts or promotions. Each of these contains information which can help to narrow down the possibilities or to ultimately determine the identity of the station. In earlier segments of this article, we discussed using AM-FM simulcasts and co-ownership, schedules, formats, and non-ID's as tools in the process. In many cases, however, we may not have any of those, or we may have only fragments.

Since, with the exception of shared-time operations, two stations on the same frequency will not be serving the same market, the locally-specific data in the broadcast is of potentially large value. Names, addresses and phone numbers are all subject to varying degrees of investigation and verification. Area codes, for example, narrow down the area the station serves, but on local channels, or when dealing with daytimers on crowded regional channels, that's not going to be conclusive very often. The phone exchange (the three digits after the area code) can usually pinpoint an area within the station's main listening area. Sometimes the name of an advertiser itself contains the name of a specific location or geographical feature. Two or more such are even more valuable. If you obtain enough local detail, this can usually tell you what station you have, even without an ID.

This information can be verified by using telephone directory assistance, other DX'ers, amateur contacts (if you're an amateur), or, if you're really interested enough to spend the money, a telephone call to the number mentioned. All of this is also good material for a reception report. Announcer's names will also help out, here, too.

Once you've checked out this information, and combined it with the format, schedules, and any partial ID's, you may have enough to make a decision. At that point, you may decide what it is you've heard, but you may still not wish to count it without the full legal ID or without the verie to back it up. Again, that's your choice.

The key to identifying unID stations is to get as much information as possible, and to have the reference sources with which to check it out. All too often, the material submitted to the DDXD columns for unID's is either too little or to general to be of much help to someone else. Remember that there is little likelihood that another DX'er was listening to the same signal at the same time, or that in the unlikely event that this happened, you may both have heard equally little of use. Try to keep those thoughts in mind when preparing your DDXD reports. When you can, be as specific as possible, so that others have enough to go on to be of assistance.

The Challenging Crystal Set

For hobbyists demanding the ultimate DX challenge, Ray Cole's publication detailing step-by-step procedures in building a crystal set is for you! Only \$3.00 ... order from the Publications Center, or use your Visa/Mastercard by phoning (608) 423-4159. Overseas customers, please write.

Join the Target DX revolution!

What's the best time to hear that elusive station ... can you actually still hear a station from the opposite coast ... if you hear one station in a city, can you expect to hear another? Help yourself by making requests for information ... help others by sharing your experiences through Jim Renfrew's "Target DX" column. There's strength in numbers and shared information ... and what better way to DX than by DX'ing "smart"? Send your requests and tips to Jim at 61 Wilcox St. - Rochester, NY 14604-3832.

The Answer Man R. J. Edmunds

"No Question Is A Dumb Question"

Answers to members' questions, from the basic to the technical

753 Valley Road
Blue Bell, PA 19422-2052

Hello, again. It's time for another Answerman. Since this column will probably appear in December, I'd like to thank to those who have provided answers to questions posed in the column over the past 14 months. My thanks to the following (in no particular order): Alan Merriman, Dallas Lankford, Perry Crabill, Wes Boyd, and Ed Janusz for their support!

QUESTION: Where can I obtain comprehensive listings of T.I.S./H.A.R. stations? Of carrier current stations?

ANSWER: NRC published such a list for the T.I.S./H.A.R. stations about a year ago, edited by Chris Cuomo. I do not know whether or not an update is in the works. As to carrier current stations, Broadcasting Yearbook used to publish a list of school-affiliated carrier current stations, and they may still, although the yearbook is quite costly. Any further suggestions?

QUESTION: The Realistic TRF (Model 12-655) was both popular and did a good job. Is there anyone to ask to get this receiver back into production?

ANSWER: I'm not aware of anyone, and, given the changes in AM and FM radio in the years since, I strongly doubt that an AM-only portable would be marketable today. Its successor was AM/FM, and the AM on it was inferior.

QUESTION: Is there a way to hook up an AM receiver with one antenna terminal through coax to an outside antenna?

ANSWER: Yes. Actually, there's more than just one way. In a typical communications receiver, there are either two or three terminals on the antenna terminal block. If there are two, one is for the antenna, and the other for ground. If it has three, there are two antenna terminals, suitable for use with air-core loops and other ungrounded antennas. A one-terminal configuration simply omits the ground connection.

You may run your outside antenna into the center conductor of the coax, and direct to your receiver antenna terminal. You may use the shield of the coax to run from the receiver to ground, and tie the receiver end to the chassis, or you may use the shield along with the center conductor for the antenna. Ideally, any external longwire antenna should be wired through a lightning arrestor at the point where the antenna connects to the lead-in, and the arrestor connected directly to an exterior ground. Bringing the ground wire inside to a ground source only invites lightning troubles which the arrestor, when properly wired, is supposed to protect against.

QUESTION: I use a Sony 2010, with a Radio West "Great Little Loop" for medium wave DX'ing. I have some strong locals which prevent my listening to other stations on the same frequencies. Sometimes, it's impossible to null the locals. 1) Would I enhance my listening on these frequencies if I inserted an audio filter between my antenna and my receiver or between my receiver and my speaker? 2) Would I remove part of the problem if I inserted something like Grove's new "Minituner Plus" between my antenna and my receiver? Bob Grove says yes, but another DX'er says no.

ANSWER: First off, the type of receiver makes no difference here. The type of loop does. To address your first question, an audio filter will do absolutely nothing to enhance your ability to hear weaker stations on the same channel as your locals. An audio filter's primary benefit to the DX'er is the attenuation (reduction) of specific segments of audio frequencies, such as electrical hum, or heterodynes from adjacent frequency stations. In addition, an audio filter processes audio only, and therefore is placed either within the receiver's audio section itself, or, if a separate unit, between the receiver and the speaker, headset or tape recorder.

To address your second question, I'm not familiar with the Grove Minituner, however, if it's either an antenna tuner or a preselector, it probably won't do anything for you. An antenna tuner is designed for use with longwires, and not with loops, which have their own tuning networks. Furthermore, tuning an antenna will have no positive effect on weaker stations on the same frequency. A preselector, while it may be used with a loop, will also have no positive effect in this case, either, because it serves to enhance the desired signal by the reduction of interference from the adjacent frequencies.

Now, I'll answer the question you asked, but didn't ask, hi. To achieve a greater degree of attenuation of strong local signals, you will need either a large diameter air core loop (refer to the NRC Antenna Reference Manual, Vol. 1) or some sort of a cardioid array (as is used to create transmitting patterns) using either phased verticals, or a loop-sense array, using a loop and a fixed vertical antenna. These latter creations are difficult to build, expensive, hard to operate, and are not effective in all cases or at all times. Since I'm not familiar with the Radio West loop in question, I've taken the liberty to assume from its name, that it's not a large diameter air core loop.

RANDOMNESS: I do have additional questions on hand -- one is too long for this edition, and one I'm going to need some clarification on. They will appear soon. Also, I'm running about 1 or 2 editions ahead of what you see in DX NEWS. As this is typed, there is 1 more column somewhere between my computer and your mailbox, because I'm trying to work as far ahead as I can. In the second edition of the column this season, we got the contrast problem which plagued the first one corrected. Now, in this, the fourth of the season, I think I've gotten the margin problem fixed, as well. Soon, perhaps Paul and I will start out own version of the format conversion problems he's had with DDX-W, hi. In the meantime, keep your questions (and answers) coming. '73's

George Sherman

104 Pinewood Circle
Apple Valley, MN 55124

Promotion of the DX hobby through competitive listening.

Contest	Standings		as	of	11/20/89				
	A	B			C	D	E	F	G
Robert Kramer, Chicago, IL	369	1374	186	1	10	0	0	0	1
Rick Dau, Oakland, IA	2390	890	81	6	54	0	0	0	0
Robert Vance, Ft. Belvoir, VA	1552	927	11	5	39	0	0	0	0
Dave Johnson, Gainesville, FL	983	593	0	2	34	0	0	0	0
Dave Hascall, Fortville, IN	605	265	7	1	22	1	0	0	0
Nancy Hardy, Aberdeen, WA	525	505	2	0	0	0	0	0	0
Bill Hardy, " "	273	228	1	1	1	0	0	0	0
Dale Park, nr Honolulu, HI	22	12	1	0	0	0	0	0	0
Mike Hogan, Burnham, IL	0	0	0	0	0	0	0	0	0

A= total points; B= state & province points; C= s/ons & s/off; D= Most Likely stns hrd
E= new loggings not on Most Likely list; F,G,H= 1st/2nd/3rd reports (by contestants) of stations coming on air 9/1 or later; I= stns returned after 3-mos. silence 9/1 or later.

FIRST REPORT OF NEW STATION: WWMO-830 Eden, NC (x-1130) DH-IN

RETURNED TO AIR APTER 3-mos. silence: WOR1-1550 TN RK-IL

The Broadcaster's Guide to DX

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

FCC RULE PRIMER

JOHN D. BOWKER, 14 CANDE BROOK DRIVE, PRINCETON JCT., NJ 08550

In this DX NEWS series we are discussing specific FCC Rules of interest to the readers. If you have any specific questions or areas of interest, let the NRC Headquarters know.

IX. FCC RULE SECTION 73.21 CLASSES OF AM BROADCAST CHANNELS AND STATIONS

A. Classes of Channels:

Clear Channel "A channel on which the dominant station or stations render service over wide areas, and which are cleared of objectionable interference within their primary service areas and over all or a substantial portion of their secondary service areas."

Regional Channel "A channel on which several stations may operate with powers set out in Rule Section 73.21(b). The service area of a station operating on a regional channel may be limited to a given field strength contour as a result of interference."

Local Channel "A channel on which several stations operate unlimited time with powers no greater than 1 kW daytime or nighttime. The primary service area of a station operating on a local channel may be reduced as a consequence of interference."

B. Classes of Stations:

Class I "A dominant station operating on a clear channel and designed to render primary and secondary service over an extended area and at relatively long distances. Its primary service area is free from objectionable interference from other stations on the same and adjacent channels, and its secondary service area is free from interference except from stations on adjacent channels, and from stations on the same channel in accordance with the channel designations in Rule Sections 73.25 and 73.182. The operating power shall not be less than 10 kW nor more than 50 kW." (Note: We will discuss these referenced FCC Rule Sections in a future column in this series.)

Class II "A secondary station which operates on a clear channel and is designed to render service over a primary service area which is limited by and subject to such interference as may be received from Class I stations. Whenever necessary, a Class II station shall use a directional antenna or other means to avoid interference with Class I stations and with other Class II stations. Class II stations are divided into five groups." (Note: We will discuss the five groups in a future column in this series.)

Class III "A station operating with unlimited time on a regional channel designed to render service primarily to a principal center of population and in the rural area contiguous thereto. Except in Alaska, Hawaii, Puerto Rico and the U.S. Virgin Islands, a Class III station operates with a power not more than 5 kW and not less than 0.25 kW; provided that an unlimited time station that operates on a regional channel during nighttime hours with a power of less than 0.25 kW will nevertheless be classified as Class III if its RMS field strength is 141 mV/m or more at 1 kilometer."

Class IV "A station operating on a local channel and designed to render service primarily to a community and the suburban and rural areas contiguous thereto. The power of a station in this class shall not be less than 0.25 kW nor more than 1 kW, and its primary service area is subject to interference in accordance with Rule Section 73.182. Stations which are licensed to operate with 0.1 kW may continue to do so."

We will continue this series on classes of AM broadcast stations in future columns.



The Voices of WWV and WWVH ... via Pete Kemp

The Voices of Time Signal Station WWV and WWVH

The new male voice is that of Lee Rodgers, and the new female voice is that of Susan Kennedy. Both are staff members of KGO-AM in San Francisco [CapCities-ABC]. The reason for the change was, as was pointed out, the old voicetrak machine was on its last legs. The above announcers read a rather lengthy script onto tape which was then sent to the National Bureau of Standards for digitizing and storage. The effective date for the new voices to appear is anticipated to be Jan 1, 1990.

(Information courtesy of Bruce Shirmer, KGO Engineering)

Target DX

Jim Renfrew
61 Wilcox Street
Rochester, NY 14606-3832

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

Do all those new unlimited operations bring chaos or opportunity? This month's testimony is from Greg Hardison of Mission Hills, California, who finds countless new targets in the after-math of deregulation.

"For example, in twenty years of living on-and-off in Los Angeles, I was never able to hear KDHI-1250, due to a dominant daytime signal from KTMS-1250 and inordinant slop from local KGIL-1260. Thanks to KDHI's new 100 watt night operation, I've logged them several times in the past year, usually at levels equal to KTMS' night signal."

"DXers here in the Southwest should pay close attention to former daytimers in Mexico, many of which have expanded to full-time operation, such as many U.S. daytimers have. I've noted a loud nighttime signal from XEWM-940 Mexicali, which many dial-twisters could mistake for XEQ (XEWM's power is believed to be 1 kW, U-1). XENY-760 Nogales has been noted on late some nights, ditto for XESU-790 Mexicali. Other XEs have been heard on 680, 710, 720, 890, 1040, and 1200 -- the origins: anybody's guess!" XEHEF-1040 was identified in IDXD (DXN 57-7) as Chihuahua, with 1000 watts. I've noticed this one from San Diego myself, Greg.



Greg observes that new NAB standards for AM extra-radiation have helped his DXing efforts.

"Our own KABC-790 used to slop over onto 780 and 800 with little mercy. Since the NRSC-1 standards were implemented here about two years ago, I can sit in Mission Hills (22 miles north of KABC) and hear KROW-780 all day long. On 800, XEMMM and KHIS fight it out clearly all day. Before, I could barely hear XEMMM in KABC's null. I've noticed these same effects on locals KFI-640, KRTH-930, KFWS-980, KNX-1070, KIIS-1150, KGIL-1260 and KWKW-1330. Sadly, my other locals seem to have done nothing toward implementing NRSC. Regressing, it's sure nice to hear WSM-650 again!"

Maybe its worth our rechecking those adjacent local frequencies that seemed so hopeless when we last looked several years ago.

Greg concludes with some advice about Caribbean and South American targets:

"West Coasters should regularly monitor 830, 1040 and 1160 for those Cuban monsters, the likes of which I grew up with in Georgia in the '60s. They usually dominate 830 and 1040 here at night, with WCCO/KNCR and WHO/CKXY wallowing underneath. On 1160, the CM always gives KSL a true run for her money, here in LA. Two other easy Caribbean targets out here: Anguilla-1610 and Cayman Islands-1555; conversely, Belize-830 and Turks & Caicos-1570 have been no-shows for me, even on DXpeditions into nowhere!"

"My two all-time great catches both occurred in late summer, 1971, on 1180 khz, from Granada Hills (about 3 miles north of my current location). The first, at around 0230 PLT was Radio Globo from Rio. The other, around 0430 PLT, as I recall, was R. Diego Portales from Santiago de Chile, with a signal so loud I thought it was a new XE, until a little listening told me that, though it was in Spanish, it was definitely not Mexico. I have tried for both, from here and Georgia, for the past 18 years, to no avail. Locally, 1180 is pretty well plugged by KERI's 10 kW signal (with KOFI nulled) until they sign off nightly around 0100 PLT. Even then, 1180 is just too messy to pick out any South Americans that may be lurking. I haven't been able to log anything else there, either, besides XEFR, just a jumble."

In my case, Greg, deregulation has stifled my hopes for tuning in Argentina-870, with WHCU now U-1 in Ithaca, New York. A few years ago I heard what was almost certainly their time pips in the middle of the night, with WWL nulled. No ID, however, was forthcoming. Just another DX might-have-been!

Now, some tips about DXing Hawaii and New Zealand, from Greg and Wayne Heinen.

Says Greg, "As for Hawaii, try KLHT-1040, after local sunrise in California. I recently spent a couple of days camping at 8200 feet (mostly for FM DX), but a spin with the FRG-7700 and a Radio West loop brought KLHT in until about 0840 PLT. 'KIKI-830 came in second, but nowhere near the levels of KLHT, for some reason. Another Hawaiian which I expect to see reported toward the heartland is KPUA-670, a true sleeper, which always gives KBOI quite a challenge in coastal locations."



Wayne's biggest success story is his verification from 1YA-756. "Stations from Down Under are best heard around either equinox. Beginning in March, 1986 I listened to 756 almost every morning. By consulting world-wide Sunrise/Sunset maps, I was able to determine the predawn hours that were applicable to my listening location. The times that produced a darkness path between Wellington, New Zealand and Aurora, CO were calculated. If I was able to detect a carrier on the channel, I would continue to monitor the channel with the tape recorder running. Success was achieved after over 60 sessions on June 23, 1986. A tape with enough identifiable material and a few clear IDs was obtained. Because conditions had to be just right in order for 1YA to put a good enough signal into my location for a report, persistence at the appropriate times was required. This reception was made using an NRC 4' unamplified loop with an unmodified R-390A/URR receiver." The World Sunrise/Sunset maps that Wayne mentions are an essential tool for DXers, and can be obtained through the NRC publications center.

Our thanks to Greg and Wayne for these insights, tips, and experiences. We welcome the contributions of all other members. As a reminder, the purpose of "Target DX" is to share the strategies that DXers have developed in the pursuit of tough DX targets in recent years. How did you actually go about hearing those rare ones? Whether it was strategy or luck, we'd be very interested in hearing how it happened. Or perhaps you are like me, with a long wish list. What are the ones that you've been trying for without success? We'd like to know as some readers may have a tip for you. Again, thanks for your support!

Jim

From the Editor ... All right, I got kicked off the front page. So ... with a little more effort, you can kick me off this page, too, hi!

They joined ... John Brown, Altus, OK; Jeff Kitze, Charlottesville, VA; and Thomas Colao, North Suburban, IL.

Hollow State Repairmen ... Our first list of repairmen who will work on tube-type communications receivers is a little small, but I have a feeling that it will grow.

Steve Bohac of New Jersey phoned but did not forward specific information as to what receivers he preferred to work on, but I do know that he has performed magic on NRC members' R390A URR receivers. I'd suggest sending him an SASE with your letter describing the problems: Route 6, Box 750A - Branchville, NJ 07826.

Wayne Heinen will work on R390A's and has technical data to help out. Write or call the same address/phone as listed elsewhere in this issue.

Dave Schmidt has started restoring R390/390A's and does some work on HQ-180's. Contact him at (302)

323-0338 or P. O. Box 11502 - Wilmington, DE 19850.

Dave Schneider will work on R390A's and Johnson and Viking equipment. Contact him at Box 35-B, HCI - West Shokam, NY 12494.

Charles A Taylor will work on R-388's, R-390's, R390A's, and R-392's and will consider other tube-type or solid-state receivers. He'll also consider pickup and deliver within a 200-mile of Greenville, SC and will provide an estimate correct to \$20 from the owner's description of symptoms.

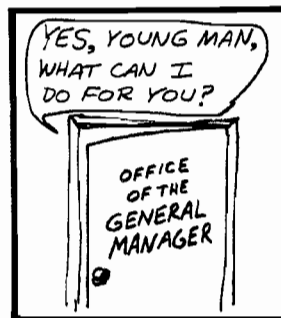
QST carried an ad recently for Hammarlund repair service by former service manager Wayne Cordell K4HCS of Blue Ridge Communications - 770 New Stock Road - Weaverville, NC 28787 (704) 645-7070.

Finally, a fine quarterly (or less) publication is *Hollow State Newsletter*, edited by Dallas Lankford. Four issues are \$5, samples \$1.25 each. Make checks payable to publisher Chris Hansen - P. O. Box 1226 - New York, NY 10159.

And from the editor to all, may you have the finest holiday season imaginable, and thanks for your continuing support of *DX News* and the NRC.

'Living with Diabetes' Stations ...via Pete Kemp

Arkansas Fayetteville	KKIP 1440	New Jersey Vineland	WFHM 1270
California Bakersfield	KPMC 1560	New Mexico Albuquerque	KANW 89.1
Los Angeles	KORG 1190	New York Amsterdam	WKOL 1570
San Diego	KVSD 1000	New York City New York City	WHLI 1100
Florida Orlando	WNSI 1400	Rome/Utica	WRNY 1350
Sebring	WWTK 930	Oklahoma Oklahoma City	KOKC 1490
Georgia Columbus	WHYD 1270	Pennsylvania Pittsburgh	WBVP 1230
Maine Portland	WIDE 1400	Erie	WPSE 1450
Massachusetts Boston	WHAV 1490	South Carolina Bishopville	WAGS 1380
Ware	WARE 1250	Tennessee Nashville	WLAC 1510
Michigan Grand Rapids	WMAX 1480	Texas Houston	KPRC 950
Owosso	WOAP 1080	Utah Salt Lake City	KNKK 800
Missouri Joplin	KQYX 1560	Virginia Roanoke	WFIR 960
Nevada Reno	KQLO 920		

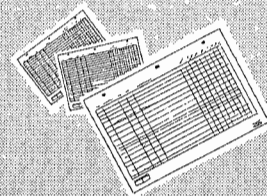


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Bandscans

Chris Cuomo

670 Third Avenue
Verona, PA 15147-1349

Audible stations from a DXer's location at given times.

John Wilkins
Big Bend Rd., TX
October 18, 1989
1pm - 2pm CDT
GF Superadio II



RADIO 720AM

550 KCRS Midland 3
570 XETJ Torreón, CU 1
580 YEPH Chihuahua, CH 2
XEMU Piedras Negras, CU 3
600 KRQD El Paso 1
610 YERY Sabinas, CU 1
620 XERU Chihuahua, CH 2
660 XEACB Ciudad Delicias, CH 2
670 XETOR Torreón, CU 1
680 XEPO Chihuahua, CH 1
710 XLDP Ciudad Cuahuatémoc, CH 3
740 KADP Carlsbad, NM 2
750 XEOH Ciudad Comargo, CH 1
760 KSJL San Antonio, TX 3
790 XFRFC Chihuahua, CH 3
800 XEROK Ciudad Juárez, CH 2
810 KXOI Crene 1
820 XFSB Santa Barbara, CH 1
850 XEM Chihuahua, CH 1
860 XEST Fort Stockton 2
870 XFTAR Guachochi, CH 1

920 XEQD Chihuahua, CH 1
950 XEFA Chihuahua, CH 2
XEYJ Nueva Rosita, CU 1
960 KKKL San Angelo 2
970 XEJ Ciudad Juárez, CH 1
980 XENR Nueva Rosita, CU 1
990 XET Monterrey, NL 1
1010 XELO Chihuahua, CH 1
1040 XEHFF Chihuahua, CH 2
1240 KVLP Alpine 1
1260 XEOG Ojinaga, CH 3
1340 XERCH Ojinaga, CH 1
1450 XEARE Ojinaga, CH 1
1570 XERP Ciudad Acuña, CU 2

Abbreviations: CH - Chihuahua, CU - Coahuila. More abbreviations for Mexican States will be introduced as they are needed.
John reports an UNID station on 830 in the city of Chihuahua, CH ID'ing as "R. Sensacion". Any ideas as to the CLs of this station. John states that not many signals were heard above 1040 for some reason.

Music machine radio mentality chills personalities

By Alan Katz

Denver Post Staff Writer

Watching submarine races was a favorite New York pastime in the summer of 1962. The races were an invention of "Murray the K" Kaufman, the disc jockey on Top 40 radio station WMCA.

Jive-talking Murray was radio's version of the Boy Scout leader who showed up Playboy — knowing how teenagers withheld secrets from their parents, he devised a language only kids understood.

"Here's something for all the submarine-race watchers at Plum Beach, N.Y.," Murray would say, introducing a hit single. "Watching submarine races," squares never realized, was a euphemism for groping in a Ford Fairlane 500.

Meanwhile, up the AM dial on WABC, "Cousin" Bruce Morrow was busy squeezing a 60-second purple-cream commercial into 20 seconds. Cousin Bruce's voice was a thing of beauty. No disc jockey ever spoke faster with more clarity, or hit more octaves in a single sentence.

Compared with Cousin Bruce and Murray the K, most of Denver's rock jocks sound subdued and beaten. There is nothing they can do about the corporate mentality that rules radio today.

"A disc jockey today is totally controlled by whatever the program director directs him to do," said Danny Davis, a veteran Denver deejay currently with KRZM-AM.

More than gut instinct, program directors depend on research to shape policy



The Denver Post / John Sunderland

CONTROLLED: Scott Curtis mans the control room during his 7 p.m. to midnight shift at KSYF-FM.

Since statistics show that radio audiences want less talk and more music, today's trend is to play music interrupted only by terse announcements of time, temperature and weather. Commercials are clustered.

"Our announcers are allowed to talk only at certain times," said a program director at a top Denver rock station, who said he felt uncomfortable being named. "We minimize their interaction with the audience. Basically, our station is a music machine."

All across Denver's radio dial, music machines are cranking out recycled products. That's because research shows that for aging baby

boomers, familiarity breeds contentment.

Of the top 10 Denver morning music shows, six have oldies formats.

A blindfolded listener might have trouble distinguishing Brand A from Brand B — KKXL from KXLT, KRFX, KSYF and KAZY, except that one or two play softer oldies or molder oldies.

KHOW plays oldies, too, and even KOSI, the "beautiful music" station — former home of Mantovani and the Norman Luboff Choir — now dishes up the same Neil Diamond and Barbra Streisand happy-twisters offered on soft-rock stations.

The absence of personalities further confuses the listener. But a few voices do stick out during morning drive-time.

Dave Otto, the morning man on Top 40 station KRXY (Y-108), is a throwback to the rock jock of old. A deejay for 19 years, Otto listened to Cousin Bruce while working in upstate New York. Like his spiritual ancestor, he engages his listeners in between songs. Last week, during Otto's "Jerk at Work" contest, callers complained about their bosses' body odor and disgusting personal habits. "They named names, including their own," Otto marveled after the show. "They were actually jeopardizing their jobs!"

Over the long haul, colorful deejays build listener loyalty. The prime examples are KHOW's morning jokers, Hal and Charley, whose venerable AM show finished sixth in the summer Arbitron ratings in the 25-to-54 age range. Considering the superior sound of FM

(Continued on next page)

stations, that's a testament to the power of personality.

Given the choice between two similar formats, listeners gravitate to the one with a compelling jock — like Rick Marshall, "The Coach," on KKXL (KOOL-105).

Marshall, who juices up KOOL's high-rated oldies show with impressions of Kermit the Frog, Jack Nicholson and Dr. Ruth, believes the personal touch will never fade away completely.

"I used to be a district manager for Kentucky Fried Chicken. When restaurant researchers ask consumers what they want, people say 'good food.' But when the questioner digs a little deeper, consumers say, 'Well, I like it clean. And service is important, too.'"

"It's the same in radio. Radio listeners will say they want more music. But it's really a mix between music and a friend on the radio."

Unfortunately, in Denver and elsewhere, "friends on the radio" are vanishing. The latest casualty is KLZ-AM, whose country music format was replaced this month by Z-Rock, a satellite-delivered hard-rock format. The local staff, including 10 disc jockeys, was fired.

KLZ is the third Denver station in the last three years to experiment with Z-Rock. While satellite formats usually mean a decline in ratings, they ensure minimal overhead and the chance for a station to earn a profit in an oversaturated market like Denver's.

"Satellite is cost-effective," explained KLZ's program director Steve Gramzay, before cleaning out his desk. "At worst, you need a board operator or someone from the FM side to babysit."

That's what nighttime disc jockey John Vigil does. A KOSI employee for 15 years, he babysits sister station KEZW-AM, which uses a live deejay in the morning and the Starburst Network satellite format afternoons and nights.

At 20-minute intervals, Vigil leaves his automated control board in KOSI's production studio to flip a few switches down the hall at KEZW, where pre-rock nostalgia music emanates from Chicago. In the hallway, he passes bins of old Andy Williams, Ray Conniff and Perry Como records. The record albums, vestiges of a bygone era, look like refugees from a grocery store's nickel bin. Nobody has listened to them for years.

KOSI plays compact discs untouched by deejays' oily fingers. The machine playing them is so automatic it reads the discs through a slot in their plastic cases. Call it zipless music.

Vigil, who works alone, delivers brief, calm announcements three times hourly. After each message, he switches on the music. It's a pleasant job, interrupted only once or twice a night by a ringing telephone.

"I tell them I'm sorry, that we don't take requests," said Vigil. "I ask them what song they want to hear, and then I check my list to see if it's going to play. Sometimes they're disappointed, but when I explain the situation, they understand."

The Denver Post
-via Wayne Heinen



The Denver Post / John Prieto

ATYPICAL: Rick "The Coach" Marshall connects with audience on his KKXL (KOOL-105) show. Michelle Dibble joins in the fun on the morning radio show.

RATINGS

Top Denver morning music stations (with format and Arbitron rating):

1. KRXY (107.5 FM, 1600 AM) contemporary hits 7.5
2. KKXL (105.1 FM) oldies 7.1
3. KBCC (97.3 FM, 1190 AM) album rock 6.9

4. KYGO (98.5 FM) country 6.3
5. KOSI (101.1 FM) easy listening 5.8

6. KAZY (106.7 FM) album rock 5.4
7. KXLT (100.3 FM) soft rock 5.3

8. KQKS (104.3 FM) top 40 5.1
9. (tie) KBPI (105.9 FM) album rock 4.0

9. KRFX (103.5 FM) classic hits 4.0
9. KSYF (95.7 FM) soft rock 4.0

Top morning personalities: Dave Otto, KRXY

Hal and Charley, KHOW (630 AM)

Rick "The Coach" Marshall and Jack Reagan, KKKL

Dave Rickards, KRFX
"The O' Brothers" (Gary O'Neal and Mike Olson), KBPI

Faxton Mills, KXLT
"Morning Zoo Team" (Dean Curfman & Dennis Prior), KQKS

Dennis Constantine, KBCC
Sandy Travis, KYGO

Radio ratings: Lite FM ties Z-100 at top

By GEORGE MAKSIAN

Daily News Staff Writer

WHITZ (Z-100) was No. 1 again — for the 10th survey in a row — in the just-released July-September Arbitron radio ratings. But this time, the rock station that went "from worst to first" six years ago had to share its crown with WLTW (Lite FM, 106.7). Each station averaged a 5.7% share of the listening audience in the overall 12-plus category. Z-100 was down slightly from a 6 share from the previous book rating the spring listenership; LTW, reaching its highest rating ever, was up from a 5.3.

Next in line in the top 10 were: WPAT (AM & FM combined), all-news WINS, WOR, WCBS-FM, WABC, WFAN, WRKS, WQHT and WBSL. WKRK (K-Rock) was in 11th place, followed by WPLJ (up slightly from the previous tally), WCBS-AM, WNSR, WFAN, WYNY, WABC, WNEW-AM, WQCD and WADO. WMCA was way down the ladder with a 0.6 share in the final survey for its old talk-and-business format (it has since gone all-religious).

WINS led the morning race, followed by WOR's "Rambling With Gambling" and K-Rock's Howard Stern, who was up by more than a point from the previous survey. WHITZ's "Morning Zoo" tied for fourth place with CBS-FM. WFAN's "Imus in the Morning" finished a 13th.

Z-100 was No. 1 in the afternoon, followed by Z-100, WCBS-FM, WPAT, AM and WNEW-FM. WABC's Bob Grant finished 10th, tied with WYNY and WOR's Gil Gross.

Daily News
-via Pete Kemp

Radio Station's Future On Hold

by Francis Motari

Wishek radio station KDRQ has signed off indefinitely.

Announcer Brian Schell said general manager Rick Flacksbarth of Mayville told employees Friday, September 15 that the station would close at the end of that day's broadcast because of a lack of advertising support.

Rumors of the impending closure had surfaced earlier, but Flacksbarth denied them to the Star as late as Thursday, September 14, the day before the station went off the air.

When KDRQ did not sign on Saturday, September 16, Flacksbarth was again contacted at his office in Mayville. He would not respond to questions about his earlier denials and had no comment on the station's future.

However, he later told reporters that the station's ownership group is considering several options, which include selling the 500-watt facility or moving it to Linton.

KDRQ debuted in 1982 under the call letters KWSK. A studio fire in 1980 closed the station for more than a year, but it returned to the air with new call letters and under new ownership headed by Flacksbarth in Dec. 1, 1987.

The Wishek Star
-via William C. Moser

Musings

of the Members

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

Al Muick, Jr.
3500 Woodchase, #1310
Houston, TX 77042
Times are local per Muse.

Support of Musings has grown by leaps and bounds, and I am grateful for that! It gives me more work to do in my spare time, hi!

DOUG SMITH, (W9WI), 80 Craig Avenue, Madison, WI 53705-1375
 Guess it's time for another muse from Dairyland...I've been distracted from DXing more than I'd like to be this DX season; excellent conditions on the 6 and 10 meter ham bands are to blame, and the new 286 PC isn't helping! I received two letters regarding my article on AM improvement a few months back. One came from Albert Lobel of San Diego, who commented on excessive modulation on US stations (and even worse on Mexican stations), and mentioned that the situation is nowhere as bad in Europe. The other came from William Burrows in New Jersey, and he suggested that the Commission standardize on C-Quam, and tighten "quality control" rules on radios. He also doesn't like the cluttering of clear channels with drop-in stations. As far as modulation goes, yes, this is certainly a problem. It's not as much of a problem of too much modulation (although going over 100% does increase splatter and distortion) as it is a problem of no variety in the modulation level -- most stations are between 85 and 100% all the time! This problem, however, is not unique to AM. Most FM stations are just as bad. There seems to be an impression in the radio business that, if your audio isn't as loud as the next guy's, you'll lose listeners...by the way Albert, if you think Mexican radio stations overmodulate, you should hear Mexican TV...I watched the Miss Universe pageant on a Ciudad Juarez station a few years back while staying in El Paso, the audio must have been 400% modulated, and very distorted! (Doug, it was probably over-deviated, TV audio being FM modulated, thereby swinging outside the passband on your TV's IF causing you to receive only a small amount of the audio, making it sound distorted. The average modulation on a TV audio carrier should be around 87.5%--ajm). Unfortunately, it's really difficult to measure the "variety" in the modulation level; this makes it impossible to adopt rules to regulate the amount of compression permitted. Maybe someday, radio station operators (both AM and FM) will find enough people being turned off by the incredible compression levels that they have to back off...A few brave FM stations are beginning to do this already and hopefully some AMs will follow...already, here in the Midwest, WGN can take a lot of pride in their audio. I suppose the FCC should really adopt C-Quam as the standard. When it comes down to it, it really makes sense, it's just that I'm reluctant to endorse that system. Certain C-Quam stations have had excessive distortion on mono receivers (however, this must be a problem at the individual station, as other C-Quam stations sound fine in mono), but the Kahn system, properly implemented, (as it almost never was) is capable of nearly infinite separation, while C-Quam is only good for about 25dB. (The reason C-Quam stations may sound distorted on mono receivers is for the same reason that FM stereo stations sometimes sound bad on mono receivers. It has to do with one audio channel being out of phase and causing havoc when mixed down in the mono receiver's IF and audio--ajm. It is not a function of the method of modulation as such--ajm). Unfortunately, at the present time, the FCC doesn't have the authority to set "quality control" standards for radios. They probably should. Hopefully, one of the "radio only" bills currently in Congress will address this. Certainly, excessive narrow bandwidth is a serious problem. I recently built a small (5 mW) AM transmitter for use in my car, to transmit cassette tapes through the car radio. There are no active audio stages to mess up the frequency response, but the audio is still muffled, almost to the point of causing listening fatigue, due to the absence of any audio below 200 Hz or above 4 kHz. (Doug, please check your schematic. This sort of frequency response is indicative of filtering or clipping of the audio. If you modulate your little xmtr via it's DC power, that is, run the B through your cassette deck output port and then into the xmtr, effectively putting the B and audio in series, it will eliminate that problem. If you do not have the clipping, compensation, and compression that an ordinary AM/FM station would have on its audio, even if you don't have any active or passive filters, your programming will sound B-A-D!!--ajm). The current FCC seems to have adopted the position that any rule change which permits the stations to come on the air is a good one. Where this involves dropping more stations in on the clear channels, it's not such a good idea. It is really in the public interest for West Podunk to have it's own transmitter relaying satellite adult contemporary, if that transmitter makes reception of a well-run distant clear-channel station like WHEM or WSM impossible? The protection areas for clears definitely must be left where they are, and should probably be rolled back. On a completely different subject, two recent format changes in this market. WMAD-1190 Sun Prairie pulled the plug on satellite MoYL to pick up CNN headline news. I don't think this will do any better, with WHA-970 and Chicago's WMAQ, WGN, and WHEM all doing the same thing. WHIT-1550 dropped satellite oldies for a C&W simulcast with WWQM-FM 106.3. This was probably spurred by competition from WOLX 94.9 FM, which went oldies about 6 weeks before WHIT's change. WOLX is the most powerful FM in the market, this combined with WHIT's lack of night power (OK, one watt...) was the end of AM oldies in this market. At least for the time being, no call change, but WWQM changed their billboards and slogans to include AM 1550 so I think they'll be simulcasting for a while. Regards.

DON TRELFOED, 3 Muirbank Blvd., Scarborough, ONT, M1C 4R8, Canada, 416-281-3228
 Time for me to introduce myself. I am retired and taking up DXing again after an absence of 40 years. Have a Realistic DX440 for starters this time, but used to have a Hallicrafters SX400. Have talked to Eric Bueneman, Rick Dau, Bill Hale, Niel Wolfish and Charles Reh on the phone and it was nice to hear them. Of course I find a great deal of change from the good old days, and don't hope to equal what I got then - new daytimers testing at night, frequency checks, DX programs and not too many NSP's! Now, once in a while, a surprise though - some station you don't expect to hear - makes it interesting! Re IDs - when only the call letters are given, and there is distortion or poor signal, it may sound like something else, and there are a few cases where there are 2 stations on the same frequency or with similar call letters (especially when distorted!). A case where location would help! Of course the majority of listeners (not DXers) could care less about call letters or ID. I will be going to Jamaica in the next couple of months, for about 3 weeks. We have a house there and have some work to do on it. Will take my rx and give a report of what I can get. Will have to learn a little more SS! More later. 73s.

AM64 WPBD

PHILIP BOERSMA, 15570 Cleveland, Spring Lake, MI 49456
 I think some needless confusion may be generated by comments in DDXD-E in #57 No 8, on the subject of PRSA and power/pattern change times. MOST daytimers with pre-sunrise authorizations now get to sign on at 0600 local time. A few of the US clears, some daytimers, must wait until sunrise at the dominant station (if it's east of the daytimer in question) to use the PRSA. Thus WKWM-1140 Kentwood, MI cannot sign on with a PRSA until 0730 in December--the time of sunrise at WRVA in Richmond, VA. Even, however, in cases where the clear-channel dominant station (Class I) is east of a daytimer, the daytimer may now--under certain conditions-- sign on at 0600, using a two-tiered PRSA. A very low power (of, say 10 watts or less) is used from 0600 local time to sunrise at the Class I; and a higher PRSA (100 to 500 watts) is used from sunrise at the class I to the daytimer's local sunrise time. A handful of stations on frequencies such as 1090 and 1560 are now using these, since the FCC says that a Class I's skywave signal is no longer protected after 0600, but it's groundwave must still be protected. Almost all fulltime stations change power and pattern at local sunrise and sunset. The handful which do not are usually "grandfathered" arrangements (such as WCKY-1530, which does not go to a DA until sunset time in Bakersfield, CA) or the former "limited-time" stations such as WJJD-1160. But otherwise, local sunrise and sunset at any particular station determines its usage of day and night power/patterns.

ROGER WINSOR, 727 So. Wisconsin Ave., Hobart, IN 46342 219-942-1055
 It will be close to 1990 when you read this (Roger, is this some sort of comment on my editorial speed?!, hi hi--ajm). I hope everyone has a great decade. It won't be long and every form, check, or whatever that says 19__ will have to be changed. What a monumental printing job. So time for a re-intro: just turned 49 in November, I have been DXing since 1952, but seriously since 1956 from the Chicago/NW Indiana area. Total heard stands at 3048, with all 50 states verified, all Provinces heard and 45 other countries. I use only a Superadio II to DX with, the SX 71 is just too big and takes up too much room. I use a 2' loop that was made by WNW1's CE Gene Wiggins in 1966 when I used to work there. Strangely, it doesn't work when connected to the rx, but does fine when standing next to it (resonant inductive coupling--ajm). I get some unusual nulls, like tonight 11/23 when I plainly heard WFCV 1090 @6P going into USA radio nx w/local WNW1 on w/a potent 10 watts. They get out well. CX have been very auroral lately, yet some SS has been totally dead with nothing outside of the area coming in. A real nice catch was recently heard w/WSJS 600 NC in/out o/WMT. Very rare to get NC on SSS. 11/18 to 11/20 Rick Dau of Iowa visited us. It was nice to have someone to share DX stuff with. WWSA 1270, local clanging gong B:GOS stn was nicely off with XR trouble. WKSJ AL a new catch // to 95 KSJ w/cw mx. The funniest thing was the way WHYD GA "highway 1270" was in w/great sig all pm long. I called the y1 DJ, she was very nervous, had no idea what power they were on, or anything. Perhaps was overboard w/5kW rig. WLSM MS hrd s/off @6P w/SSB, so is not using their nite power. My opinion about the lack of musing is there is no "meat and potatoes" to a DX report when there is nothing mentioned about DX. That is the original purpose of musing, not to be put into some column with initials after the name (then what is the purpose of DDXD-E/W and foreign??--ajm). Locally WBER 1570 is back again w/jazz, but still has MRN net nx and sounds automated, off @6P daily except Sun when on till midn. w/gos, WCGO 1600 // to FM w/Sun net and AC, I think on 'till midnight, weak only 23w. 73s and good DX.

99.5/WGAR-FM
 1220/WGAR NATIONWIDE COMMUNICATIONS INC.
 Broadcast Park • 9446 Broadview Road • Cleveland, OH 44147

G. HARLEY DeLEURERE, P.O. Box 10, Hendricks, WV 26271-0010
 November 22. Believe it or not I have off work today; therefore I thought I'd drop a musing expressing a few ideas. I've noticed that many are pessimistic concerning the future of medium-wave broadcasting. Don't you believe it. As long as there's a Cuba, there'll be AM radio. The band here is flooded with Cuban stations. They knock out even the powerful stations from this country. WMAQ, WOR, WCOO, WHD, and WJJD don't stand a chance. Even local WBES struggles at night with a Cuban. So brush up on your Spanish. It's interesting too to note the mistakes made by the FCC. That'd standard, isn't it? The

fact of the matter is that our educational standards in this country have deteriorated to the point where mediocrity is the norm. I'm not knocking the system, but the neighbor boy who is retarded made the honor roll at the children's school this past nine weeks. When he graduates, he'll have to be hired for a responsible position because of anti-discrimination laws. It isn't only the FCC that is in trouble. No, I'm not sour. I'm writing the truth. DXing is picking up. Yesterday I logged WGRA (790) and WSWG (790). Today I heard WZYQ (1560). Today I heard on the BBC World Service a program entitled "From Defiance to Independence." It concerned itself with the state of Missouri. The commentator talked at length about Hermann, Missouri. I found it to be fascinating. My sister lives at Rosebud, which is right near Hermann. I'm going to tune into the BBC more often. (Thanks again for your kind comments, Harley!—ajm).

PETE KEMP, KZLZ, P.O. Box 73, Bethel, CT 06801

Greetings all...Jim Kerr a very popular DJ in the Big Apple for many years is returning to New York after a five month absence. Beginning in December he will be heard on WNYW FM doing the wake-up shift on this country music station...The FCC has fined WIOD in Miami and KPI in Los Angeles for indecent programming, while other AMers WWWE in Cleveland and KOCL in Paris, Arizona have received written warnings....WHBO's Scott Robbins, in Tampa, has been voted that Market's favorite DJ in a St. Petersburg Times Poll...WIOD, in Toledo, is now spinning country music in the morning 6 to 10 spot...The UPI national award for best overall newscast for the Georgia-13 State region has been won by WSB in Atlanta.... KSNJ in Minnesota has changed its call letters to KNOW, a great call for a public radio station....Terrance McKeever and Jack Murphy have moved their act from San Diego to WQXI in Atlanta...They will be on in the all important morning drive time slot...WHEN has gone All-Talk weekdays...WECK has dropped its Music of Your Life format in favor of satellite fed programming....had a nice visit at the school, with NRCer David Lewis from St. Louis. He has been busy visiting Connecticut doing a survey of our Constitution State's AM radio stations. I look forward to seeing the results of his work...I have also been in contact with fellow NRCer Craig Healey (NGLU) via the amateur radio packet mode. For other NRCer ham ops, Craig's home RES is NIDKF and mine is KILLIC or KIUL...Hope to get some ECB DXing in during the Thanksgiving vacation....so much for now.

JAMES J. NAHIRNIAK, 20907 Behrendt, Warren, MI 48091

I've decided to kick off the 90's by starting a new mediumwave log. There are so many new stations and a lot of new interference and noise to deal with now. I figure that DX'ing in the 1990's will be so much different than, say, the early 80's, that I'm going to treat it as a new animal. I've never really kept track of numbers of new stations heard anyway, so starting a new log won't affect totals. My record keeping has been pretty sloppy too, with lots of catches never put into a log. My New Year's DX resolution is to be more careful—but to remember that this is all for fun. After hearing over and over how AM radio is dying, I decided to compare recent summer Arbitron ratings for Detroit to those of the summer of 1980 (as far back as I have records). There are seven full-time AM stations that have over 1000 watts (excluding Canadian stations that do not program to Detroit). Of those seven, three have gained listeners (CKLW, WXYI, WMTG) and three have lost some (WJR, WWJ, WXXI). I have no ratings information for religious WJLQV for either year (probably stayed about the same). The biggest loser was country WCXI-1130, dropping from 4.3 to 1.2. Back in 1980, they had no country competition; now there is co-owned WWWW-FM. The biggest winner is 1310-AM, which is part simulcast/part clone of contemporary WNIC-FM. It has jumped from a 0.4 to a 1.9 as WMTG, with a locally prepared "classic soul" format (they only use the "Heart and Soul" satellite feed in late nights). They also prove that you can start a brand-new AM music station with no long-time listener loyalty to build upon, and have some success. WMTG is also hampered by a weak or non-existent signal on the east side, especially at night. Detroit has no AM-FM simulcasts, and no AM stations using only satellite-fed programming. They still have DJs here, even at tiny suburban stations like WBRB, WSDS and WPON. It seems so strange to read about what is happening in other parts of the country.

And there we end another edition of Musings of the Members. Y'know guys, the beef about DX in this section is getting kinda old. I have no problem with ya listing your latest excellent catches in a narrative format. But when we start getting into program details and the entire muse is nothing but numbers, etc., that's where I draw the line. Also, please try not to abbreviate so much to accommodate new members who may not be so familiar with our acronyms. I try not to edit or censor your comments and type everything as I read it (which incidentally, is sometimes hard to do, considering some of the hieroglyphics I've been getting lately). L&R DAZE de AI (N5HZG) (ex KA2PTW/DA2XX/DJ0PN)

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We need your help with Station Addresses

We are in need of the following station's addresses. Look thru your latest veries, phone book or listen to the station for their address. Then once you've done that send that info to the NRC Headquarters. Thanks.

SS Freq	Calls	Location	ST	SS Freq	Calls	Location	ST
104.3	WHTA	Brantley	AL	104.1	KQKX	Woodlake	CA
92.9	WTUG	Cordova	AL	90.1	KAEB	Alamosa	CO
88.7	WDVI	Dadeville	AL	104.5	KAFA	Colorado Springs	CO
97.3	WZLM	Dadeville	AL	91.5	WSJE	Cortez	CO
102.5	WESP	Dathan	AL	107.9	KJYE	Grand Junction	CO
88.7	WRWA	Dothan	AL	107.3	KQZZ	Silverton	CO
104.3	WIDD	Eutaw	AL	95.3	WDND	Laurel	DE
93.3	WEGN	Evergreen	AL	101.3	WXPZ	Milford	DE
102.9	WBAN	Linden	AL	90.5	WPWB	Byron	FL
88.5	WAYF	Mobile	AL	103.5	WXDZ	Callaway	FL
105.3	WVCA	Selma	AL	105.1	WKGT	Century	FL
99.9	WACQ-FM	Tuskegee	AL	100.7	WGDW	Bretna	FL
106.5	WJEC	Vernon	AL	105.5	WKKB	Key Colony Bay	FL
107.9	KBTB	Bethel	AK	103.9	WZMQ	Key Largo	FL
98.1	KWLF	Fairbanks	AK	97.7	WVWF	Marathon	FL
91.9	KUHB	St. Paul	AK	92.7	WGFU	Marco	FL
107.1	KVVA-FM	Apache Junction	AZ	93.5	WMTD	Port. St. Joseph	FL
102.7	KFLG	Bullhead City	AZ	98.5	WRWX	Sanibel	FL
96.5	KQUD	Douglas	AZ	101.9	WYDD	Springfield	FL
92.5	KVAO	Eagar	AZ	88.3	WTLG	Starke	FL
105.1	KCDX	Kearny	AZ	102.9	WPIK	Summerland Key	FL
92.7	KZZZ	Kingsman	AZ	101.7	WCWB-FM	Trenton	FL
95.9	KBEC	Lake Havasu	AZ	90.7	WGNP	Albany	GA
98.3	KXMG	Marana	AZ	91.7	WUNV	Albany	GA
101.1	KRMM	Payson	AZ	104.1	WLFA	Clayton	GA
88.3	KNAI	Phoenix	AZ	101.9	WGBA-FM	Cleveland	GA
95.1	KTDZ	Winslow	AZ	102.9	WNKS	Columbus	GA
88.9	KRRR	Yuma	AZ	100.7	WDRL	Cuthbert	GA
90.9	KBSA	El Dorado	AR	92.5	WOKF	Folkston	GA
93.3	KLTV	El Dorado	AR	91.3	WJTG	Fort Valley	GA
104.5	KWXE	Glenwood	AR	97.9	WNEG	Fort Valley	GA
101.7	KZIX	Humoke	AR	103.7	WSYI	Irwinton	GA
93.3	KBOK-FM	Malvern	AR	88.3	WLPT	Jesup	GA
102.7	KWLT	North Cross	AR	FD 92.5	WLYU	Lyons	GA
101.3	KPBQ-FM	Pine Bluff	AR	TD 100.7	WLYU	Lyons	GA
92.5	KVRK	Atwater	CA	100.7	WPWS	Milledgeville	GA
88.7	KPJO	Avalon	CA	94.9	WMKO	Millen	GA
92.1	KIWI	Bakersfield	CA	101.9	WSSG	Ringgold	GA
91.3	KSMN	Barstow	CA	103.7	WBIC	Royston	GA
95.9	KXXZ	Barstow	CA	102.7	WHAN	Sparta	GA
88.3	KERU-FM	Blythe	CA	102.9	WUJF	Statesboro	GA
100.9	KSSB	Calipatria	CA	91.7	WWET	Valdosta	GA
102.9	KWTY	Carthage	CA	107.9	KTSS	Aiea	HI
99.3	KNNN	Central Valley	CA	92.7	KHHI	Hilo	HI
98.9	KCMT	Chester	CA	99.5	KAGB	Honolulu	HI
105.3	KRKC	Chester	CA	100.3	KCCN	Honolulu	HI
102.7	KSSI	China Lake	CA	FD 93.5	KLUA	Kailua-Kona	HI
99.3	KWHZ	Ferndale	CA	TD 93.7	KLUA	Kailua-Kona	HI
99.3	KJFA	Grass Valley	CA	104.3	KANY	Kaneohe	HI
107.9	KQKZ	Greenfield	CA	103.3	KAUI	Kekaha	HI
101.3	KATY-FM	Idyllwild	CA	96.9	KFMM	Lihue	HI
103.9	KRAJ	Johannesburg	CA	90.7	KKUA	Wailuku	HI
94.3	KTAA	Kerman	CA	99.1	KKGG-FM	Waimea	HI
104.9	KIQO	Lenwood	CA	102.7	KDEO-FM	Waipahu	HI
99.9	KCIV	Mount Bullion	CA	94.5	KMWC	Hayden	ID
100.3	KMAK	Orange Cove	CA	101.1	KNCL	Mc Call	ID
100.5	KPOR-FM	Porterville	CA	102.5	KJDE	Sandpoint	ID
103.1	KNLF	Quincy	CA	104.7	WSRQ	Bushnell	IL
90.9	KRVH	Rio Vista	CA	104.3	WCBH	Casey	IL
96.1	KWRP	San Jacinto	CA	90.1	WEFT	Champaign	IL
98.5	KOME	San Jose	CA	100.7	WKBM	Coal City	IL
107.7	KCDZ	Twentynine Palms	CA	94.9	WDKB	DeKalb	IL
89.7	KABM	Visalia	CA	98.5	WCRI	Eureka	IL

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