



DX NEWS

The magazine of the
National Radio Club

— SINCE 1933 —

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CPC Calendar ...

Date	Station	From/To (EST)
Jan. 14	KFEL-970	2:00/2:30 AM
Feb. 3	KSOK-1280	5:00/6:00 AM
Feb. 4	KBYR-700	4:00/4:30 AM
Feb. 11	KOTZ-720	4:01/5:00 AM
Feb. 25	KUAI-720	5:30/AM
Mar. 23	KTGG-1540	4:30/5:00 AM

Please note the CORRECTED time on KBYR.)

KFEL-970, 4411 Goodnight Ave. Pueblo, CO 81005 will conduct a Special DX TEST on Monday morning, January 14, 1991 between 0200 and 0230 EST. This test will include Morse code ID's. Our thanks to Mr. Mike Landry, Operations Manager, for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

KSOK-1280, P.O. BOX 917, Arkansas City, KS 67005 will conduct a Special DX TEST on Sunday morning, February 3, 1991 between 0500 and 0600 EST. This test will include Morse code ID's. Our thanks to Mr. David C. Foster (N0KAT), Chief Engineer, for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

KBYR-700, P.O. BOX 102200, Anchorage, AK 99510 will conduct a Special DX TEST on Monday morning, February 4, 1991 from 0400-0430 EST. This test will include Morse code ID's. Our thanks to Mr. A. G. Hiebert, Chairman/CEO, for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

KOTZ-720, P.O. BOX 78, Kotzebue, AK 99752 will conduct a Special DX TEST on Monday morning, February 11, 1991 from 0401-0500 EST. This test will consist of tones, Native American and Modern music. Our thanks to Mr. Pierre A. Lonewolf, Chief Engineer, for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

KUAI-720, P.O. BOX 720, Eleele, Kauai, HI 96705 will conduct a Special DX TEST on Monday morning, February 25, 1991 from 0530-0600 EST. This test will include Morse code ID's. Our thanks to Mr. Roger D. Rogelstad, Chief Operator, for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

KTGG-1540, Spring Arbor College, Spring Arbor, MI 49283 will conduct a Special DX TEST on Saturday morning, March 23, 1991 from 0430-0500 EST. Details to follow. Our thanks to Mr. Edmond R. Trombley, Chief Engineer, for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

From the editor ... Buffalo sez no "AMS switch" because no FCC info - and that's a quote from her.

We're having to pitch a few clippings because the submitter wrote on them, cut part of them off, or highlighted them. Please - leave 'em alone! Be sure that you include the source, too.

They joined ... James Cross, Dayton, OH; Martin Foltz, Mission Viejo, CA; Norman Gender, Chicago, IL; Tom Wood, Newark, NJ; Jim Young, Canandaigua, NY; John Zondlo, Oklahoma City, OK (rejoins); James V. Hopkins, Kansas City, KS; Keith Hansen, Hillsboro, OR; Robert Bushman, Gilman, IL; Dan Cushin, Havertown, PA; Gilbert Chesney, Wilkes-Barre, PA; John Haley, Indianapolis, IN; Richard Harrison, Winter Park, FL; John Tow, Pinson, AL; and John VanLien, South Park, PA. Welcome, all!

DX Time Machine

From the Pages of DX News

25 years ago ... from the Jan. 8, 1966 DXN: Don Erickson was the leader in the Letterman contest, with 76, followed by Bruce Reynolds, 24, and Jeff Kader, 20 ... John Callanahan was appointed station manager of KPDN, Pampa, TX, effective 1-5.

10 years ago ... from the Jan. 12, 1981 DXN: The death of Marty Wright Sept. 1, 1980, was announced ... the off-frequency Cuban, at 622.9, was heard by many NRC'ers.

Domestic DX Digest - East

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

William Hale

734 Burleson
San Marcos, TX 78666

MEDIUM WAVE RAMBLINGS

- Walter Nissen of Silver Spring, MD says our (DXers) saint is St. Klisan (with the K being silent). Walter also questions my use of "POL" for an abbreviation for "political" as the official list in Issue 9 says "Pol" is for Polish. And GG is for German. And "Do people hear a lot of Greek?" Okay. I was using POL for "political" a long time before Mikee's list came out. So I claim it. Let him come up with something else. Hi. Seriously, we will change to meet NRC standards. And GG can be German. And sometimes the loggings I get for DDXD-E are ALL Greek to me!
- A small, but dedicated band of stalwart reporters took time out from their Christmas shopping to report this week. Plus, Mike Hawk has now educated me to whom Penn & Teller are.

SPECIAL

- 660 **KTNN AZ WINDOW ROCK** - 12/10 0240-0305 fair → good in WFAN null with IRN feed | KXEL-1540; 0305 ID by female: *50,000 watts of country music power, KTNN Window Rock*; they always give a quick ID of some kind at :05, between NBC Nx and IRN; heard every night since 12/10, so DA must be outta whack; AZ #5 (SF-TN) [Yes, I've noticed them in there too after LSS, but never that late -Ed.]
- 1070 **WHYZ SC GREENVILLE** - 12/15 2225 booming signal most of the time, mentioned 24 hr schedule; equal to WIBC (10 kw) @ 18 miles; UC/rap mx (DLH-IN)
- 1170 **WKFL FL BUSHNELL** - 12/8 2130 with satellite NOS; @ 2145 between *For The Good Times* by Ray Price and *I'll Be Home For Christmas* by the Carpenters had nonID: *The Starship Radio Network covering Central Florida with great music by your favorite stars*; never did get a legal ID but am pretty sure this is WKFL since they are owned by Starship Communications; supposedly a daytimer but someone apparently forgot to sign it off; reported as silent in recent AMS; format change from C&W (REH-ON)
- 1190 **KLAM TX DALLAS** - 12/13 2200 ID; CNN Nx; believed to have lower power than KLIF; thanks to Rick Dan for tip on this (MH-NE1) [Should still be U4 50000/5000 as the facilities shouldn't have changed, but I question (?) the CLs as still have KLAM on 1450 in Cordova, AK. Maybe AMS will sort this out -Ed.]
- 1300 **KAKC OK TULSA** - 12/17 2017 now CNN *Headline News*; all I've ever hrd on KAKC is NWS/TLK/Sports, so that may be their format, at least at night (MH-NE1)
- 1330 **KUPL OR PORTLAND** - is IRN, per announcement on IRN (MH-NE1)
- 1430 **WRTH MO ST. LOUIS** - 12/13 2300 ID: *The new Worth, WRTH and The original hit station*; Ai News at :00 (MH-NE2)

UNIDS AND UNID HELP

- 660 **KTNN AZ WINDOW ROCK** - this is RF-OH's unID w/IRN (MH-NE1)
- 680 **WOGO WI HALLIB** - is probably Mike Hawk's unID in the Dec. 17 *DX NEWS* as it's co-owned with WWIB-FM in Ladysmith, WI, so sez *M Street Journal* (EJ-NJ)
- 900 **UNID QC** - 11/25 1600 sudden power cut just as CBC FF Nx begins; seemed like a local pgm preceded; ID as CBGA; Sunset zone correct for Rimouski, and '88 NRC Log sez CBSL relays CBGA; but other lists show this as CJBR; what are current Rimouski CLs? (JR-NY) [91 Log shows CLs as CJBR, and CBGA on a group of frequencies, but no relay notes. Help! QCers -Ed.]
- 1010 **UNID ??** - 12/1 1759 poor with ??? to remember, *AM 1010 KGIO?* (SA-MB)
- 1190 **UNID ??** - 12/18 2030 with *Radio Peña* ID in SS (MH-NE1)
- 1210 **UNID ??** - 12/16 0730 present for 1+ hours w/IRN; looped E/W (MH-NE1)
- 1400 **UNID ??** - 11/30 2230-2235 *You can get New York Knicks basketball on --??--*, SID sounded like *WLTN* (?) (DT-ON) [Easy...if you heard WLTN, you heard Littleton, NH. NRC Log, Page 217 -Ed.]
- UNID ??** - 11/30 2225-2233 with BKB game, *Delaware State & ?*; maybe same station as above, hard to tell (DT-ON)
- 1430 **WRTH MO ST. LOUIS** - my past unID, see SPECIAL (MH-NE1)
- 1460 **UNID ??** - 12/9 0947 poor with *Thank you, ???, for making the all new Power KW the number one ??? radio station* - R&R mx; under KKAQ (SA-MB)
- 1550 **UNID ??** - 11/19 0200 very weak CLA mx, all alone, no announcements could be hrd; KKH1? (JR-NY)

DX AND EQUIPMENT TESTS

- 610 **KOJM MT HAVRE** - 12/3 DX TEST heard with CID, under WDAF (KDF-IL)
- KOJM MT HAVRE** - 12/3 0210 CKTB on...very faint station under them, but not KOJM (DT-ON) ...not heard (SF-TN) ...not hrd due to WIP/WIOD plus WMAL splash (WPT-DC)
- 770 **KATL MT MILES CITY** - 12/2 not heard (SF-TN)
- 1020 **KCKN NM ROSWELL** - 12/17 0230-0300 various tones and Christmas mx; anct after every song giving phone # (MH-NE1)
- KCKN NM ROSWELL** - 12/17 not heard (SF-TN)
- 1200 **WAGE VA LEEBSBURG** - 12/12 2320 off the air for XR maintenance (WPT-DC)
- 1290 **KUMA OR PENDLETON** - 12/10 0305-0330 WNB/WFBG only (DT-ON) ...not heard (SF-TN)
- 1300 **KLER ID OROFINO** - 12/1 0745-0900 WXRL only; too late, daylight here (DT-ON) ...not heard (SF-TN)
- 1310 **KMBI WA SPOKANE** - 12/17 not heard; somebody there from 0300-0314 with a synthesized blip every 20 seconds, but it seemed too close and too strong to be KMBI (SF-TN)
- 1330 **KMBI WA SPOKANE** - 12/17 0300-0330 I can hardly hear a 50kw'er, much less a 5kw'er on my worst regional frequency! (MH-NE1)
- 1550 **WBZQ NC GREENVILLE** - 11/17 0342-0348 XLNT test with *Everly Bros* mx, ID, ad for *Smithsonian Magazine, Sinatra* mx, suddenly off (JR-NY)
- 1590 **KTIL OR TILLAMOOK** - 12/16 not heard (SF-TN) [Steve is zero for December! -Ed.] ...12/16 0300-0330 nothing (MH-NE1)
- 1600 **KRXY CO DENVER** - 11/12 not heard (WPT-DC)

TIS AND OTHER STUFF

- 530 **TIS IL** - 12/1 1503 Illinois Dept of Transportation TIS stations; also noted 12/11 1440 with another behind while driving down the Edens & Kennedy Expressways (KDF-IL)
- KNIC273 MD ROCKVILLE** - 12/9 1734 *Maryland State Highway Administration Travelers Advisory on for a test. 1-2-3-4-5* on a repeating loop; XLNT (WPT-DC)
- TIS MD ?????** - 12/9 1734 w/wx reports, fair under KNIC273; apparently BW? airport (WPT-DC)

MIDNIGHT TO 0800 HOURS ELT

- 590 **CKRS QC JONQUIERE** - 12/14 0434 XLNT over Radio Reloj w/CKRS ID, *Radio Mutue!* slogan and POP mx (JR-NY)
- 690 **WPDQ FL JACKSONVILLE** - 12/17 0225 w/Sun Radio Network w/call-in *Healthy, Wealthy & Wise*; ID: *You're listening to the 50,000 watt voice of Southeast America. WPDQ*; fair, o/u Montreal; my 1st MW Floridian! (EJ-NJ)
- 740 **KCBS CA SAN FRANCISCO** - 12/4 0426 good with stock market report, TC, *KCBS* IDs - wx report (SA-MB)
- 810 **CKJS MB WINNIPEG** - 12/15 0706 wx in KLMO's null, then ID; new (MH-NE1)
- 840 **WBHY AL MOBILE** - 12/16 0746 sign-on; sked is LSS-LSR; uses *Christian 84* as slogan - *Insight for Living*; new (MH-NE1)
- 930 **WZNN NH ROCHESTER** - 12/14 0149 surprisingly good in WBEN null with CNN *Headline sports following CNN, All News 930, news for New Hampshire and Southern Maine* (JR-NY)
- 970 **WNIV GA STATESBORO** - 12/14 0608 USA Radio Net Nx; ID and farm report; good in KOA null (DLH-IN)
- 990 **WWCM MI YPSILANTI** - 12/3 0140-0200 mixing with C&W & CHTX w/POP mx, local ads, jx (KDF-IL)
- WIVK TN KNOXVILLE** - 12/10 0430 good with C&W mx, *WIVK AM & FM* ID (SA-MB)
- CHTX QC MONTREAL** - 12/3 0140 under WWCM/CBW with dance mx, ID (KDF-IL)
- 1010 **WGUN GA ATLANTA** - 12/18 0737 Metro Atlanta Forecast; traffic update w/*Steve Lake* - ad saying to advertise on WGUN (MH-NE1)
- 1080 **KRLD TX DALLAS** - 12/14 0406 weak, but steady in WTIC null w/ID before return to *Larry King* (JR-NY)
- 1180 **WXLA MI LANSING** - 12/14 0801 w/soul mx, ID; hrd before here but never IDed, and they're not all news (KDF-IL)
- 1230 **CJTT ON NEW LISKEARD** - 12/3 0055-0100 ...on the air 24 hours-a-day, you are listening to 1230 *CJTT*; JAZ, over/under: CHSC splast/unID (DT-ON)
- 1240 **CKBS QC ST. HYACINTHE** - 12/3 0100-0204 talk show in FF w/various announcers; 0204 mx in EE (DT-ON)

- 1350 **CHRO** ON PEMBROKE - 12/16 0004 ID in a mess, sounded like a GYer; ON #30 and probably my best (MH-NE1)
 1480 **KFMQ** NE LINCOLN - 12/1 0628 good with hard ROK mx, *Lincoln's Best Rock and Roll on 101.9 KFMQ Lincoln-Omaha*, IDs as *Q102*, new for NE #33 (SA-MB)
 1540 **WYNC** NC YANCEYVILLE - 12/12 0715 poor with sign-on, no SSB hrd; sed owned by *Ansum Broadcasting Co. Inc. of Yanceyville NC*; gave day power as 2500 watts but didn't mention CH power; quickly lost to KXEL; #60 on 1540 (REH-ON)
 1570 **WBEE** IL HARVEY - 12/16 0116 ID during a JAZZ pgm; new for #1120 (MH-NE1)

0800 TO 1600 HOURS ELT

- 650 **WSM** TN NASHVILLE - 12/11 1100-1200 fairly good, but was being bitten on both sides by *WGST-640* and *WESC-660* (KR-GA)
 700 **WLW** OH CINCINNATI - 12/11 1100-1200 good except for periodic fading (KR-GA)
 830 **KBOA** MO KENNETT - 12/1 0855 poor with lite rock mx & *KBOA* ID; under WCCO; finally hrd ID; new for MO #44 (SA-MB)
 840 **WHAS** KY LOUISVILLE - 12/11 1100-1200 good except for periodic fading (KR-GA)
 890 **WLS** IL CHICAGO - 12/11 1100-1200 fair at 1100, but as noon approached, *WBKZ-880* took over (KR-GA)
 900 **CKVD** QC VAL D'OR - 12/12 1543 good in *CHML* null w/FF POP mx and ads for Val d'Or (JR-NY)
 970 **WHA** WI MADISON - 12/8 0918 fair with *Wisconsin Public Radio* ID, report on Japanese journalist in space; in *WDAY* null; new for WI #71 (SA-MB)
 1110 **WBT** NC CHARLOTTE - 12/11 1100-1200 strong (KR-GA)
 1120 **KMOX** MO ST. LOUIS - 12/11 1100-1200 unreadable, being chewed up by *WBT-1110* and *WLBA-1130* (KR-GA)
 1190 **KKDJ** MN JACKSON - 12/15 1316 PSM [???-Ed.] and ads - ID; good midday conditions (MH-NE)
 1440 **WROK** IL ROCKFORD - 12/15 1312 strong with ID and ads - wx; new at midday (MH-NE)
 1530 **WWGZ** MI LANSING - 12/8 0827 poor with R&R mx, wx report; IDs as *Wings 103* | FM; under *WCKY* for MI #62; new (SA-MB)
 1550 **KQWB** ND WEST FARGO - 12/15 1307 OLD, w/KSFT; ID; one of 2 ND stations audible at midday (MH-NE)
 1560 **WHEZ** MI PORTAGE - 12/9 0933 fair with *EZ 1560, your oldies station* ID - *Sugar*, *Sugar* by the *Archies*; new for MI #63 (SA-MB)
 1590 **WNTS** IN BEACH GROVE - 12/9 0925 fair with local REL pgm & listing of church services for Indianapolis; under *KCNN*; new for IN #17 (SA-MB)

1600 TO 2400 HOURS ELT

- 610 **WPLO** GA LAWRENCEVILLE - 12/17 1732 atop with promo for *six hours of fun and song on the WPLO Request Show, Saturday night six to midnight right here on Stereo 610, WPLO - Judds' Why Not Me?*, GA #185 (SF-TN)
 630 **KDAL** MN DULUTH - 12/12 1640 ID after listening for weeks without an ID (MH-NE)
 630 **CFCO** ON CATHAM - 12/12 1643 ID, wx for Southern Ontario - AC mx; 2nd time hrd (MH-NE)
 660 **WXIC** OH WAVERLY - 11/16 1620 poor under *WFAN* w/anniversaries and birthdays in *Waverly* (JR-NY)
 720 **WMXY** GA HOGANSVILLE - 11/28 1720-1749 *Top 5 at Five* mx pgm, *Chevy* ad for *LaGrange*, late sign-off at 1749 saying back at 7:15 (JR-NY)
 720 **WGCR** NC BREVARD - 11/28 1720 horrifying prophesy concerning the *One Word Church*; 10 kw, instrumental SSB sign-off at 1730; mixing w/WMXY (JR-NY)
 720 **WGCR** NC BREVARD - 12/10 1700 nx by female *Serving the Western Carolinas* ID hrd 1714; good (WPT-DC)
 730 **WCPT** VA ALEXANDRIA - 11/25 1620 CNN News, local ad mentions Dulles Airport; *Radio 730* (JR-NY)
 730 **WJMT** WI MERRILL - 11/16 1730-1741 & 1824-1830 OLD mx, IDs; QSL sez 127 watts (JR-NY)
 750 **WHEB** NH PORTSMOUTH - 12/13 1745 hrd with rock and *WHEB-FM* IDs (JR-NY)
 760 **KSJL** TX SAN ANTONIO - 12/13 1753 ROK mx under *WJR/KCCV/KMTL*; San Antonio #7 (MH-NE)
 830 **WMMI** MI SHEPHERD - 12/7 1610-1655 poor under *CFJR* (til 1615 shift) then weak in *WCCO* null til faded at 1655; OLD and insurance ad for Mt. Pleasant at 1625 (JR-NY)
 830 **WWMO** NC EDEN - 11/25 1650-1730 only IDed at 1725 w/local ads after pgm of scriptures and music (JR-NY)
 840 **WBHY** AL MOBILE - 11/28 1759 tuned in to hear what sounded like CLs, then gone (JR-NY)

- KWDF** LA BALL - 12/9 1814 ending pgm *Gospel Greats* - sign-off mentioning 10 kw and *...serving the Alexandria, Pineville, Ball and Tioga areas*, equal to nulled *WHAS*; 840 #10 (SF-TN)
CHUR ON NORTH BAY - 12/3 2202-2225 AC, ROK dedications, talk of wx (storm) in Ontario, ad for *Ontario Federation of Snowmobile Clubs*, ad cluster for *Berg Tools, Powasson Hair Styles, Windsor Hotel*, all of Powasson, ad for *Northland Mall* on Hwy 11B and 300 Lakeshore, wx; good, *WHAS* way in background (DT-ON)
 870 **WQRX** AL VALLEY HEAD - 11/20 1715 very good o/WHCU w/ads for Fort Payne and Sylvania, full ID (JR-NY)
 880 **KGHT** AR SHERIDAN - 11/16 1753-1800 C&W mx, then suddenly gone after the 3rd call letter (*KGH* cut); poor under *WCBS*; noted several times since (JR-NY)
KRVN NE NORTH PLATTER - 11/16 1800-1815 poor under *WCBS* w/5 O'Clock nx, *Western Shopping Center* ad & 49° in *North Platte* (JR-NY)
WMBQ WI MENOMONIE - 12/7 1710-1728 good in *WCBS/WRFD* nulls w/*Menomonie National Bank* ads, *Wisconsin* nx, IDs - Christmas mx at 1728; thought this was to be on 870 (JR-NY) [Nope. 880 it is, sez the Log and several reports in recent issues. They are U2 10000 210. But this is 1st report of them playing mx, as supposed to be *BizNews* & farm nx -Ed.]
 900 **WILC** MD LAUREL - 12/6 1627-1638 *Las Noticias* w/SS ads for metropolitan Washington and *La Dimension Latina* (JR-NY)
 910 **WHSM** WI HAYWARD - 12/12 1654 ID, | FM on 107.7; CHR & OLD mx; new (MH-NE)
 940 **CBM** QC MONTREAL - 12/12 1743 CBC programming; very weak in *KIOA* null (MH-NE)
 960 **KCGS** AR MARSHALL - 12/9 1740 mostly good over *WERC/KZIM* with Southern GOS to 1800 sign-off mentioning *We are the inspiration station in the Southern Ozarks* (SF-TN)
 970 **WNIV** GA ATLANTA - 12/15 1648 fair - good w/requests for comments; address and phone # given; hrd 8 miles SSE of QTH in car (DLH-IN)
 1020 **WNTK** NH NEWPORT - 12/7 1710-1728 *Barry Farber?* call-in show, ABC Nx, ad for *Lebanon Hospital*, then ID; weak in *KDKA* null & splash from *WYSL* (JR-NY)
 1050 **KLPL** LA LAKE PROVIDENCE - 12/12 1739 very quick ID - OLD mx; LA #20 (MH-NE)
CFYN ON SAULT STE. MARIE - 12/12 1700 ID, wx; slogan is *Classic Hits 1050*, uncommon (MH-NE)
 1060 **WNOE** LA NEW ORLEANS - 11/28 1808-1823 C&W mx, *Country 101*, *WNOE* ID; very strong over *KYW* (JR-NY)
 1090 **CKKW** ON KITCHENER-WATERLOO - 12/15 2121 CHR mx and ID under *KAAY*; #5 on 1090; made possible by *TLK* on *KFAB* during *NU BKB* (MH-NE)
 1100 **KNZZ** CO GRAND JUNCTION - 12/15 2129 ID under *WWWE* - wx; very weak for CO #79 and ditto *KFAB* (MH-NE)
 1120 **WUST** DC WASHINGTON - 12/13 1645-1647 fair, but all alone w/final announcements and sign-off, after 1645 *WHIT* sign-off (JR-NY)
 1130 **WPYB** NC BENSON - 11/29 1713 sign-off by male, with mention of C&W format; good (WPT-DC)
 1150 **CKOC** ON HAMILTON - 12/15 1642 rap and CHR mx - IDs over/under *KSAL* unIDs; new (MH-NE)
 1230 **WLLR** IL MOLINE - 12/16 1902 ID *You're listening to Quad City Country, FM 101 WLLR*; not OLD anymore (MH-NE)
 1240 **WJON** MN ST. CLOUD - 12/13 1700 Sports, talking about the *Minnesota North Stars* and possible ID (MH-NE)
 1250 **CBOF** ON OTTAWA - 12/16 1703 very weak w/FF programming; tent log (MH-NE)
CHWO ON OAKVILLE - 12/12 1734 ID after AC - local mx; w/*KBRF*; 1250 #25 (MH-NE)
 1260 **KWYR** SD WINNER - 12/13 1805 on top with market report; rare at sunset (KDF-IL)
 1270 **KWEB** MN ROCHESTER - 12/7 1850 w/ID & wx over *WHYD*, another formally rare one heard on *PSSA* (KDF-IL)
 1280 **KXKL** CO DENVER - 12/13 2135 *Cool 108* IDs - mx by *CCR* and others; OLD mx; new at this QTH (MH-NE)
 1290 **KLLF** TX WICHITA FALLS - 12/13 2139 SS mx under local *KOIL*; 1st non-*KOIL* stn on 1290 at this QTH (MH-NE)
 1310 **WTK** NC DURHAM - 12/10 1800 with C&W mx, ID (KDF-IL)
 1320 **WKAN** IL KANKAKEE - 12/13 2115 fair with AC; *...Roxette here on WKAN, Kankakee*, ironically replaced by *WKIN* soon after! (DLH-IN)
 1360 **CKBC** NB BATHURST - 11/29 2345 *...right here on CKBC*, promo for *Radio Atlantic* pgm; poor, over/under two unIDs (DT-ON)
 1370 **KFON** TX ROLLINGWOOD - 12/13 1810 fair with *Rush Limbaugh* promo, ID, simulcast of television news from channel 24 in Austin (KDF-IL)

- 1400 **KLBB** MN ST. PAUL - 11/30 2122-2200 sports talk, scores, N.W. & St. Paul, IN, promo for concert on BB Saturday; ad for record albums \$11.99 not in mall; poor with QRM from numbers of stations (DT-ON)
- 1410 **WHTG** NJ BANTONTOWN - 12/6 1829-1855 EZL, *Put Your Dreams Away*, 1830 wx, -WHTG-, under/over WEIM/CKSL; poor (DT-ON)
- 1430 **KQLL** OK TULSA - 12/14 2223 non-IDs as *Cool 103.3*, OLD and AOR mx; a recent magazine says they applied to change CLs; so catch 'em now (MH-NE)
- 1460 **WUFI** IL RANTOUL - 12/13 2100 ID *Newsradio 1460*, *WUFI* thru din; 65 watts (DLH-IN)
- KGGG** IA DES MOINES - 12/12 2240 ROK mx, ID, then gone (DLH-IN)
- WGNA** NY ALBANY - 12/9 2250-2319 C&W, --WGNA-; poor, under 2 unIDs (DT-ON)
- 1520 **WWKB** NY BUFFALO - 12/12 2145 Talknet with Bruce Williams; ID hrd at :00; NY #11 (MH-NE)
- 1550 **WTYR** TN SODDY-DAISY - 12/15 2106 OLD mx; ID; *W-Tire*, not *Tiger*; #20 on 1550 (MH-NE)
- 1580 **WOXR** AL OXFORD - 11/28 2004-2025 EZL w/few breaks; all alone but weak until VOA began to rise; finally, an ID after incomprehensible ads as *Good Music*.. *WOXR*; listed as 22 watts (JR-NY)
- WANB** PA WAYNESBURG - 11/15 1730-1740 local REL pgm with church notices for nearby towns; low power? (JR-NY) [Log shows NQ PSSA power -Ed.]
- 1600 **WMCR** NY ONEIDA - 12/4 1730 clear ID in mess as *WMCR*, *Oneida*; listed as 20 watts (JR-NY)

REPORTERS

- JR-NY JIM (MR. IDXD) RENFREW//Rochester, NY//HQ-150 + SM-1 + new ribbon!
- WPT-DC WILLIAM TOWNSHEND//Washington, DC//ICF-2010 [I think -Ed.]
- DT-ON DON TRELFOURD//Scarborough, ON//DX-440 + wire
- KR-GA KERMIT REID//mobile at shopping mall off I-85 near Commerce, GA//caradio
- SA-MB SHAWN AXELROD//Winterpeg, MB//R-70 + 100' LW or 3' loop
- REH-ON CHARLES REH//Leamington, ON//R-390A + Sanserino Loop + TR-3000 open reel tape deck
- SF-TN STEVE FRANCIS//Alcoa, TN//TRF [My favorite radio outta them all! - Ed.]
- ED-NJ EDDIE JANUSZ//Bricktown, NJ//R-71A + Datong Active antenna
- DLH-IN DAVID HASCALL//Fortville, IN//Superadio or 1990 Delco rx
- KDF-IL KARL FORT//Chicago, IL//IC-R70, HQ-160, Pontiac Sunbird caradio
- MH-NE1 MIKE HAWK//Omaha, NE//R-1000 + 2' loop
- MH-NE2 MIKE HAWK//Omaha, NE//R-1000 + 125' LW

ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DDXD-E

||: parallel with or to -to or into :00: on the hour AC: Adult contemporary AP: Associated Press BBD: big band BRN: Business Radio Net C&W: country & western CHR: contemporary hit radio CID: code ID ConCh: contemporary Christian EZL: easy listening EE: English FF: French GOS: gospel IRN: Interstate Radio Net jx: jingle LSR: local sunrise LSS: local sunset mx: music nx: news NPR: National Public Radio OC: open carrier POL: political PSRA: pre-sunrise authority PSSA: post-sunset authority QRM: interference QTH: location REL: religious REL: rock 'n' roll RS: regular schedule S: stereo SID: singing ID SRS: sunrise skip SS: Spanish SSB: Star Spangled Banner SSS: sunset skip TC: time check TT: test tones UC: urban contemporary UPI: United Press International wx: weather

Japan radio goes digital with symphony of waves

Sound called better than FM and equal to compact discs

Associated Press

TOKYO — Japanese listeners tuned in to a radio station yesterday that broadcasts digital signals to the entire country from a satellite, in what its developers say is a first.

Unlike AM and FM radio broadcasts, which suffer from static, hiss and limited frequency response, the station beams signals directly from a

satellite to listeners in digital form, similar to the system used by compact discs.

"That results in sound quality that is far better than FM radio, and equals that on CDs," said Tadanobu Kishi, an official in the Ministry of Posts and Communications.

Because the broadcasts are digital, listeners with digital audio tape recorders can make recordings that are

virtually perfect copies of the original master tapes.

But to receive the new digital station, listeners need a small satellite dish and a special tuner that can be attached to a television set to receive TV broadcasts from the same satellite.

Starting in April, its commercial-free broadcasts will be scrambled and lengthened from 12 to 24 hours a day, and consumers will need to buy a decoder for the equivalent of \$230 and pay a \$5.50 monthly fee.

"Since we're the first in the world, we want to try to make it as popular as possible," said Yoko Ogawa, a Satellite Digital Audio Broadcasting Co. official.

Radio GIGA (its frequency is measured in gigahertz) began broadcasting yesterday with a special Earth Symphony that featured the sounds of waves at the Seychelle

Islands, whale songs off Maui Island, a moonlight walk in Tennessee and midnight in a Japanese forest.

The Ministry of Posts and Communications hopes the station and 18 other digital satellite stations to follow next year, will offer a broader range of programming than current commercial broadcasts.

Most areas in Japan have few radio stations, in part because of a ministry policy that required equal facilities for all parts of the archipelago. Tokyo's 12 million people have only four FM stations — two commercial, one public and one that carries school lectures.

The company hopes to have up to 700,000 paying customers within two years. Its radio format will consist of "relaxing" music from a variety of styles with a minimum of talk, Ogawa said.

The Toronto Globe and Mail
via Peter Weeks

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
FIDO NET 104/108
(303) 899-6335 (prepaid only)

DX TESTS!

- 1590 **KTIL** OR Tillamook
12/16 0300-0300 Test not heard. Only KVGB/KLLI (WH-CO) Not heard - too much KLIV/KZOK Usually hrd in daytime (JW-OR)

SPECIAL!

- 820 **WPNT** IL Chicago
12/12 1715 ROK Mx, lcl ads; "Pinpoint" Wx: // FM "The Point 100.3" Many slogans but no call ID's (This day and age, if you want to hear call letters you'll be limited to DX'ing on the hour!) (ex-WXEZ) (0W-CO)
- 874 **KKOW** KS Pittsburg
12/16 Noted this spur putting a het on WWL most of the morning. (WH-CO)
- 1040 **KCBR** CO Monument
12/21 1400 This station is indeed silent. Per Buffalo's tip Don't know how I missed not hearing it off! (WH-CO)
- 1060 **KKDS** UT Salt Lake City
12/12 1850 YL host Jackie & Santa taking calls from greedy little urchins, ID on hour by child "Kids Radio KKDS 1060 AM South Salt Lake-Ogden-Provo, the imagination station" Fair w/ KLMO null'd (ex-KRSP) (0W-CO)
- 1190 **KYII** TX Dallas
12/16 0130-0200 CNN Headline News feed I thought ID sounded like KLIF, but per AMS with this is the new call And KLIF is officially on 570 (WH-CO)

Midnight to Midday!

- 650 **KYAK** AK Anchorage
12/16 0412-0505 Fair to Very Good w/ C&W, female DJ & ID's. Brief Mutual Nx 0500 (Hope this is a foreglimpse on the Feb AK tests!-ed) (JW-OR)
- 770 **CHQR** AB Calgary
12/10 0530 Fair in KKOBB null w/EZL Semi lcl KPLA off (MD-CA)
- 780 **WJAG** NE Norfolk
12/13 0934 Lcl spots, SID, Farm/Market report @ 0945. Fair at best w/WBBM (0W-CO)
- 830 **KIKI** HI Honolulu
12/10 0542-0555 Battling WCCO w/ OLD. Atop at times! (MD-CA)
- 1190 **KRDS** AZ Tolleson
12/16 0100 Modern Christian Rock Mx. Now // FM with slogan "Eagle 105". Wish this pest would go off! (WH-CO) Then you'd be stuck with paid religion on KAAY! (pls)
- 1190 **KEX** OR Portland
12/16 0200 Call ID to Ai News. (WH-CO)
- 1360 **KNGN** NE McCook
12/14 0854 Barely hrd with call 12/18 Very good w/ 0800 s/on. (0W-CO)
- 1480 **KFMQ** NE Lincoln
12/13 1000 AM/FM ID by YL, into Rock Mx

Good on peaks. (0W-CO)

- 1580 **CBJ** PQ Chicoutimi
12/16 0300 Ending Modern Jazz show with FFID "Ici Radio Canada" o/u KKCW/KRZI Haven't hrd this in 10 years (WH-CO)

Midday to Midnight!

- 550 **KOY** AZ Phoenix
12/10 2319 Fair atop w/ID & EZL. (MD-CA)
- 580 **KKSU** KS Manhattan
12/14 1755 NPR prgm on Desert Shield. 1759 Wx & ID One of my "Most Wanted"! KS # 38 (0W-CO)
- 860 **KCNR** UT Salt Lake City
12/12 1800 ID: "Across Utah & around the world in 30 minutes- All News all the time on AM 860 KCNR, Salt Lake City-Ogden-Provo" CNN feature for next 1/2 hr. UT # 36 (0W-CO)
- 980 **KVLV** NV Fallon
12/16 1959 Fair w/s/off ID, station data & SSB FTH (JW-OR)
- 1000 **KXRB** SD Sioux Falls
12/13 1917 Very Good w/KRKS slop lcl ads, C&W Mx. Becoming a pest lately (0W-CO)
- 1010 **KCHJ** CA Delano
12/14 1955-2005 Fair w/ PSA for jobs, Ag Wx & Nat'l News (JW-OR)
- 1020 **WPEO** IL Peoria
12/13 1729 OM w/ s/off anmt after short REL message. to return "6:30 AM" (CST-ed) Weak but QRM free Tnx JT-CO for tip. IL # 17 (0W-CO)
- 1260 **KTTS** MO Springfield
12/13 1747 C&W Mx, lcl ads, hourly "Song of Inspiration" to 1800 ID Fair (0W-CO)
- 1520 **KOL** MI MN Rochester
12/13 1700 Briefly, Fair w/SE MN Nx, ments of Rochester, No ID then covered by KOMA (0W-CO)

UNID!

- 1530 **UNID**
12/16 0330-0400 "Real County" network C&W Looped NW/SE: sounded Canadian. ID at 0400 killed by combo of KOMA-1520 & KXEL-1540 Siop. Any one with any clues? (WH-CO)

CONTRIBUTORS!

- (MD-CA) Marc DeLorenzo Marysville, CA - GE World Monitor w/SM-1
(0W-CO) John Wilkins Wheatless, CO - R-1000, 4.238 Anguilla Loop
(JW-OR) Jack Woods Waldport, OR - ICF-2010, SP-600, Martens Loop
(WH-CO) Wayne Heinen Aurora, CO - R-390A, 4' NRC loop

Wayne

International DX Digest

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

I will try larger type this week, at Paul's suggestion. We hope it will read better. Please submit loggings in frequency order, all times UTC. Try to get your report in by Saturday, as it goes in the mail to Topeka on Monday. Happy Holidays!

PAN-AMERICAN

- 680 CUBA CMAA, Pinar del Rio 0544 11/30. Rhumba, talk by man in SS, fair u/WPTF. [WPT-DC]
- 740 PUERTO RICO WIAC, San Juan 0628 12/14. Best ever signal, with an EZL/ballad-type format, AST TCs, call letters (SID) and dedication to a listener in Fajardo, slight interference from WDFZ. I am convinced that this one must be on day pattern, with such regular reception each night after CBL s/off. [JR-NY]

Emisora Radio Rebelde
 APARTADO POSTAL
 6277
 LA HABANA, CUBA

- 740 CUBA R. Reloj 0949 12/16. Sudden s/on, in mid-sentence w/usual nx and cw IDs, very strong w/WIAC and CHCM. I've heard R. Progreso here in the past, not this one. Heard again 0602 12/17, very strong w/CBL. [JR-NY]
- 780 VENEZUELA R. Coro, Coro 0445-0550 12/17. Identical SID between mx selections: "siete ochenta, me gusta musical ..." then UTC-5 TC (actually about three minutes fast); and occasional mention of "R. Coro." Bell followed by announcements at 0556. Fair but steady u/WBBM. Heard YVDD, Ecos del Torbes the previous night around 0230 on the same frequency, but I don't believe they are 24 hours. [JR-NY] (see station news below)
- 790 CUBA CMAD, Pinar del Rio 0555 11/30. Cuban mx, SS talk, metronome. Fair u/WTAR. [WPT]
- 830 MEXICO XEVD, Culiacan 1240-1245 12/7. Fair, battling WCCO & KIKI w/lively mx, "La Grande" and call letter IDs. [MD-CA] (I heard this while in San Diego two years ago at s/on, quite strong - Jim)

Jim Renfrew
 61 Wilcox Street
 Rochester, NY 14607-3832

- 890t COLOMBIA R. Galeón, Santa Marta 0300 12/9. Strong, but deep fades in AU cx. Meringues, UTC-5 TCs, fadeout at 0300. Is this wandering from 895? [PLS-KS]
- 960 MEXICO XEK, Nuevo Laredo 0243 12/10. SID into pop mx, 0245 into nx. [PLS-KS]
- 1060 MEXICO XEEP, Mexico DF 0945 12/14. Very good signal u/KYW // 6185 shortwave, w/cultural mx program. [JR-NY]
- 1100 COLOMBIA Caracol 0535 12/16. Good u/WWE w/mx and talk // 4865 short wave. Two Caracol outlets here, probably Baranquilla, as Socorro is listed w/0330 s/off. [JR-NY]
- 1165 ANTIGUA St. Johns 0200 12/19. Christmas hymns, relig talk by low-voiced male anncr, strong at times but faded at ID time, so no tape taken. [PLS-KS]
- 1200 CUBA CMJQ, Palma Soriano 0500 12/13. R. Revolución ID by man, ex-CMJG, fair. [WPT-DC]
- 1380 unID 2314-2424 12/5. Woman singing in SS, male announcer, mx w/bongos, man singing, sound of chimes 2345, brief news mentioning Pres. Bush at 2400, Jose Feliciano Christmas song, Mexico? (I wonder if you were hearing WKDM in New York City? It's a long shot to Mexico on 1380 Khz; it doesn't sound like Cuba either - Jim)

RADIO HABANA CUBA XXV Aniversario 1961-1986

TRANS-ATLANTIC

- 1188 HUNGARY Szolnok 2310 11/20. Classical mx // 1251; poor signal. [BV-NWT]

TRANS-PACIFIC

- 171 USSR Novosibirsk 2330 12/7. Electronic-type Kremlin chimes, then nx program // 162, 270. [BV-NWT]
- 180 TURKEY Polatli 0000 12/12. Six uneven pips, male w/nx (probably) 0002 Turkish mx, poor signal. [BV-NWT]

RADIO 4VEH

Boite Postale 1
 CAP-HAITIEN, HAITI

TELEPHONE: 2-2916

AU SERVICE DE DIEU
 ET DU PEUPLE HAÏTIEN
 DEPUIS 1950

SANTE
 SPORTS
 MUSIQUE
 AGRICULTURE
 EVANGELISATION
 INFORMATIONS INTERNATIONALES
 DEVELOPPEMENT COMMUNAUTAIRE
 MESSAGES PERSONNELS
 ALPHABETISATION
 CHANTS

FREQUENCES

FRANCAIS - CREOLE	840 kHz
ANGLAIS - ESPAGNOL	1030 kHz
ONDES COURTES (S.W.)	4930 kHz
FM STEREO	55 mhz

- 270 USSR Iomsk 2328 11/22. Exercise program // 162. [BV-NWT]
- 540 JAPAN NHK-1, various sites 1533 11/16. Man and woman w/JJ talk // 567, 594. [BV-NWT]
- 594 JAPAN JOAK, Tokyo 1702 12/2. Man w/EE nx. 1705 ID as nx from R. Japan, then man w/brief JJ talk, instrumental mx, no other //s found. NHK-1 stations would be silent at this time, perhaps a test? [BV-NWT]
- 648 USSR Vladivostok 1450 11/19. Woman w/CC talk // 585, foreign service. [BV-NWT]
- 702 JAPAN NHK-2, Hiroshima/Kitami 1340 11/17. EE interview with Aussie guy from Elders (Foster's Beer) // 693,747,774,828 NHK-2. [BV-NWT]
- 1053 JAPAN/SOUTH KOREA/USSR 1557 11/16. JOAR man and woman w/fast JJ talk, 1558 topped by South Korean echo jammer, 1559 USSR (site unknown), Mayak IS noted u/the mess. [BV-NWT]
- 1080 USSR Irkutsk or Ulan Ude 1740 12/2. Male singer // 162. [BV]

- 1278 JAPAN JOFR, Fukuoka 1608 11/16. SID in JJ and EE "You and I, RKB Radio," strongest commercial JJ station here, excellent. [BV]
- 1332 JAPAN JOSF, Nagoya 1643 11/16. Amid JJ stuff, woman w/"SF rock station" ID. [BV-NWT]

STATION NEWS

ARGENTINA: Now on DST, from 10/21 - 2/17. The country is now divided into two time zones: "hora del oeste" (UTC-4 winter, UTC-3 summer) and "hora del este" (UTC-3 winter, UTC-2 summer). The western zone includes Jujuy, La Rioja, San Juan and Mendoza provinces. Remember, their winter is our summer. (R. Enlace/HK/Distance)

BRAZIL: From 10/21 - 2/17, Brazilian states in south and southeast are on DST (UTC-2). (Radio Nuevo Mundo/Distance)

BOLIVIA: Takayuki Inoue Nozaki's MW notes from visit to Bolivia: 1000 R. Em. Cooperative Minera Poopó, Poopó (new); 1080 R. Dif. Colosal, Sucre (not listed); 1100 R. Mundial, La Paz (new); 1560 R. Occidental, Oruro (new); 1560 R. Pio XII, Siglo Veinte (ex-1550). (Radio Nuevo Mundo/Distance)

MONTERRAT: "Radio Antilles, which was knocked out of action by Hurricane Hugo a year ago, is poised to resume broadcasting to the Eastern Caribbean, though initially on a limited scale. It has already started testing a 20 kilowatt transmitter, as well as other facilities at its location in Plymouth, the island's capital, and will operate at minimum power for at least a year. The station, which had been owned by West German state radio, has been bought by the seven governments of the Organization of Eastern Caribbean States ... the BBC, and several other international media organizations, have entered into agreements with Radio Antilles to relay some of their shortwave programming." (Share, October; via Don Trelford) (930 and/or 740 khz. - Jim)

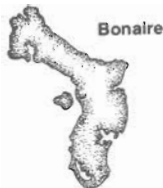
VENEZUELA: 780 YVMN, Radio Coro now here, ex-1210. (BD/MVE/Distance) 880 YVVM, R. Mundial, Puerto Ordaz now on the air. (HK/Distance)

ITALY: The Italian Radio Relay Service (non-gov't), which has been broadcasting for several years on 9B15 shortwave, is now conducting irregular tests on 1602. Most IRRS programs are in English. (Radio Netherland Media Network) (In the past, brokered programs have included UN Radio and DX programs. Watch for them on EST mornings, I would guess - Jim)

NHK (Japan Broadcasting Corporation)

CONTRIBUTORS

- [MD-CA] Marc DeLorenzo, Marysville CA;
GE World Monitor, SM-1.
- [JR-NY] Jim Renfrew, Rochester NY; HQ-
150, SM-1.
- [PLS-KS] Paul Swearingen, Topeka KS; R-
1000, Martens/Sanserino loop
combo, JVC 7 band equalizer,
during DXN layout.
- [WPT-DC] Bill Townshend, Washington DC;
Sony ICF-2010
- [DT-ON] Don Trelford, Scarborough ON
- [BV-NWT] Brian Vernon, Nanisivik NWT;
Drake R7A, 2 x 1500' LWS



Bonaire



Bonaire, Neatherlands Antilles

Radio stations turning on to women's games

The Topeka Capital-Journal
via Paul Swearingen

By PAM CLARK
Capital-Journal sports writer

(Many will remember Ed O'Donnell as one of
the speakers at the '89 NRC Convention.)

It wasn't too long ago that Ed O'Donnell of WIBW-AM walked into a college arena lugging his radio equipment and people looked at him as if he were E.T. when he announced he was there to broadcast the Kansas State women's game.

Women's college basketball on radio? It just wasn't done. "Our first few years of having the (K-State) men's network, there was nothing in our contract that said we had to do women's games," said O'Donnell, executive producer of the Wildcat Sports Network since WIBW bought the rights in 1980. "But we said, 'Well, we'll see if we can help them out.'"

At first, WIBW broadcast just a couple of games, including Kansas-K-State. Then it did five at six games. The third year, it did all the road games, plus a few select home games. The number grew steadily. This season, the station will air 21 regular-season games.

"It's been amazing," O'Donnell said.

The really amazing thing is O'Donnell, who delights in being referred to as the "Voice of the Lady Cats," no longer is a Lone Ranger as a broadcaster of women's college basketball.

KTOP-AM in Topeka has joined the game locally, adding the Kansas Lady Jayhawks and more of the Washburn Lady Blues to its lineup.

KTOP will carry all the KU women's games in an arrangement with independent producer Bernie Bottenberg. Pat Krueger handles the play-by-play and Peg Wittner provides color commentary.

The station already carried Washburn men's basketball, and it committed to carrying all the women's conference games, as well. That was made easier because the men and women's programs play doubleheaders in the Missouri Inter-

collegiate Athletic Association. Ron Simon and Galen Brown handle the broadcast duties.

Around the Big Eight Conference, the story is much the same. A survey of sports information departments reveals that every Big Eight women's program has at least a few games broadcast. In fact, Iowa State is the only school that doesn't have at least 17 games scheduled to be broadcast; the Cyclones will be on the air only five or six times.

Suddenly, broadcasting women's college basketball on the radio is in vogue. Why?

"We're a big believer in women's sports in the 1990s," said Greg Phillips, operations manager at KTOP. "It's going to make big gains in interest, and we want to be able to say we were on the ground floor."

Said O'Donnell, "We think there's a need. There are a lot of Lady Cat fans. Their program always has been a well supported program.

"We've got some very good sponsorship. People in Manhattan support it with their advertising dollars and people listen."

Ah, there's the point. The local stations are not so much providing a public service when it comes to women's basketball as they are being good ol' capitalists.

Quite simply, Lady Cat broadcasts are profitable for WIBW.

"It's not a money loser; we make money on those broadcasts," O'Donnell said. "I tell that to other broadcasters and it blows their minds. They find that hard to believe."

Bottenberg believes it; he'd just like to see it happen for the KU women's broadcasts.

It was Bottenberg who approached KTOP about a package of Lady Jayhawk games. As he tells it, he was "sitting around talking about what wasn't in the (radio) market and thought, 'Why not women's college-level basketball?'"

But it has been slow going financially. Part of the reason was a late start, a few weeks before the season; part could be that KU's women's program traditionally has lacked the strong support from the Lawrence community that K-State has enjoyed in Manhattan; part could be that no one really has tried it before.

"We had the name in Coach Marian Washington and the records she had in the past and the accomplishments, but from that point on, it's been a learning experience," Bottenberg said. "It's not a good thing if financially, right now, more or less I'm financing it myself."

Bottenberg's budget is between \$12,000 and \$14,000. His equipment cost \$1,600. He needs to raise about \$500 to follow KU to a Miami, Fla., tournament after Christmas.

The advertising might be easier to sell if Bottenberg knew who was listening — the demographics as well as the numbers — but he professes

not and Phillips. If they know the number of listeners their broadcasts attract, they aren't saying.

"I wish I could put my finger 100 percent on who is listening to the broadcasts," Bottenberg said. "I know someone's listening because we're getting calls. I wish there were 100 of them (calls)."

Phillips says KTOP also has received calls about the KU games.

Still, he says, "I have no idea what kind of listenership it has. That's not going to be the thing that makes or breaks our decision at this point to carry the games."

Answered O'Donnell: "I have no idea. That isn't the point. We know there are listeners. Players' families listen. People tell me they listen. We know they're there."

Bottenberg believes they will be there for the KU games, too, along with support from sponsors. He simply believes there is a market for women's basketball broadcasts.

"Of course, there is a market," he said. "There's no question (he's committed). It's just discouraging at times. Other times, you get so pumped up.

"It's a scramble. Thank God, I do other things for a living."

Formats

Tony Fitzherbert

356 Jackman Avenue
Fairfield, CT 06430

Changes in programming status; reported by NRC members and others

Happy New Year! Welcome to the first Formats column of 1991! And as the new year dawns, many program directors (or general managers) have made their new years' resolutions to fire the on-air staff or to try a new format in the eternal chase to lure listeners to their frequencies.

Al Holtz of Philadelphia sends word that Greg Tatum, former PD of WCAU (remember them???) is trying to assemble a group of investors to buy WEAZ-AM, 560, and turn it into a talk outlet. Al also notes that WVSJ-1360, Washington Township, N.J., has signed on the air and is focusing on Gloucester County with news, talk, and sports, plus an adult standard music format.

Phil Boesma, of Spring Lake, MI, reports that WBMX-640, of Zeeland, MI, is again silent. Maybe management ought to consider something really exciting, such as motivational talk.

And your editor noted while over in Westchester County, that WVIP-1310, Mt. Kisco, has dropped its Talknet feed to restore the music of the 40's to 60's that it played endlessly automated before the dabble into Talknet. And several stops further up Metro North's Harlem Line finds WPUT-1510, Brewster, adding CNM Headline News to its adult standard/light AC format. And on a quick trip to Boston, Beantown radio is static, although WRCA-1330 has added comedy in the evening, pre-teen programs on Saturday, and sports / talk on the overnight. WADN-1120 is still folk, and still sounds great!!

Geov Parrish reports that WXGL-1240 in Lewiston, ME is gone. It ///'ed its FM with all oldies. WTME-1530, 400 feet across the Androscoggin River, which ///'s WKTQ-1450, South Paris, 18 miles away, dropped 1530 khz., returning the license to the FCC, and moved to 1240, Lewiston, which now gives the station a full time signal. WTME broadcasts from a Christian book store, on Center Street, in East Auburn, and relays WKTQ programming from South Paris. Now, will WTME use its 150 foot tower on Summer Street Extension in Auburn, or WXGL's 250 foot self supported tower off Sabattus Street, Lewiston? 1240 khz, for over 40 years was WCOU, a full service station in Lewiston - Auburn.

The first column of the new year is sponsored by Geov Parrish, and Joseph K. Johnson, who resides down in balmy Savannah. And just as your editor thought it was safe to turn on his radio (the PTA business was quiet!), the state PTA president asked if he would like to be the Region IV Director....that is Fairfield County in its entirety. And here is our column....

- | | | | | |
|------|------|----|------------------|--|
| 540 | WGTO | FL | Cypress Gardens | - Oldies, AP News at 20 after the hour (JJ). |
| 570 | KLIF | TX | Dallas | - Here from 1190, news, talk (GP). |
| 690 | WPDQ | FL | Jacksonville | - Mostly news and talk, "Get your news PDQ". ABC Network (JJ). |
| 740 | KSSS | CO | Colorado Springs | - Business news in January (GP). |
| 870 | WPRQ | TN | Colonial Hgts. | - BRN Business news (GP). |
| 910 | WORD | SC | Spartanburg | - News/talk // WFBC (GP). |
| 920 | WMEL | FL | Melbourne | - Silent (GP). |
| 990 | KKCR | TX | Wichita Falls | - Classic rock (GP). |
| 1010 | WCNU | FL | Crestview | - Silent, pending sale (GP). |
| 1040 | KCBR | CO | Monument | - Drops BIZ for Talk (GP). |
| 1050 | KEYF | WA | Dishman | - Satellite adult standards (GP). |
| 1070 | KMOM | MN | Monticello | - News/talk (GP). |
| 1190 | KJLA | MO | Kansas City | - MYL adult standards (GP)> |
| 1190 | KYII | TX | Dallas | - CNN Headline News, replacing KLIF (GP).. |
| 1270 | KPBA | AR | Pine Bluff | - Religion upon sale (GP). |
| 1270 | WYYN | FL | Tallahassee | - Dumps motivational bible for SMN CWM CWM//FM (JJ). |
| | | | | - Talk (GP). |
| 1340 | WDSR | FL | Lake City | - News/talk. (GP). |
| 1350 | WDCE | FL | Dade City | - SMN CWM (GP). |
| 1350 | WAVJ | NC | Black Mountain | - Religion (GP). |
| 1400 | WFPL | FL | Ft. Lauderdale | - Talk in January 91 (GP). |
| 1400 | WSGA | GA | Savannah | - BBD, POP, SMN/SNN, located in the Bank South building in Savannah's historic district. (JJ). |
| | | | | - Satellite Black oldies (GP). |
| 1410 | WHBT | FL | Tallahassee | - Oldies (GP). |
| 1410 | KRIL | TX | Odessa | - Classic rock//FM (GP). |
| 1430 | WFXF | IN | Indianapolis | Was WIRE, an Indy tradition!!(TF). |
| 1430 | WNWZ | TN | Germantown | - All news and talk, drops EZL(GP). |
| 1450 | WRKD | ME | Rockland | - SMN Pure oldies (GP). |
| 1450 | WMAJ | PA | State College | - News/Talk (GP). |
| 1460 | KRRS | CA | Santa Rosa | - Spanish (GP). |

1460 WUFI IL Rantoul
 1470 KWAY IA Waverly
 1490 WNDU IN South Bend
 1490 WDXB TN Chattanooga
 1520 WDSL NC Monksville
 1550 WOCC IN Coryton
 1580 WTYO NJ Hammondtown

- CNN Headline News (GP).
 - Satellite rock oldies (GP).
 - Oldies (GP).
 - Reported silent (GP).
 - Southern Gospel (GP).
 - CWM (GP).
 - Reported silent (GP).

All for now! Thank you to our contributors! And a happy new year and good DX to all!!

Radio Roundup

News of radio personalities, of interest to DX'ers

Greetings all...With the holiday season upon us, the annual wrap-up specialty shows will frequent the frequencies, counting down the top whatever in every programming category. In addition to this, more attention to service personal stationed abroad will come to the forefront. Many stations all across the country are providing studio time for their listeners and air-checks for use by AFRS stations. The technology available has changed things considerably over the years. From traditional letters and V-Mail, to radio and tapes, onward to television satellites and vcrs. The methods may change but the bottom line is the same, the ability to communicate enhances one's personal well being...Now on to the news...WWEZ is changing its call letters and format. It will henceforth be known as WPNT, gearing toward the 25-40 market, with hot adult contemporary music...John Mertz is the new afternoon per-

sonality on KMBZ, in Kansas City. He had previously held a management position of crosstown rival KZKC...Tom Snyder's new contact with ABC Radio Networks include a 90 second Comment to be aired daily starting January 1st... Popular Dallas PBS-TV host Bob Ray Saunders on KERA-TV is moving over to the audio side of town joining KLIF as a talkshow host...The Big News in the BIG APPLE has John R. replacing John A. Gambling effective December 14th, on WOR-710. The Rambling With Gambling Show, has been a mainstay in New York Radio. The show is credited with being the first NYC station to broadcast school closings and helicopter traffic reports. Last year the show became the longest running radio program, having gone over the 20,000th broadcast. The show's originator was John B. Gambling. On a brighter note, John A. will fill-in during John R.'s vacations...So much for now.

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The Answer Man

R. J. Edmunds

753 Valley Road
 Blue Bell, PA 19422-2052

"No Question Is A Dumb Question"

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

Hello, again. It's time for another edition of Answerman to hit these pages. In the last column, we devoted it to AM Stereo in its entirety. This time, the bulk of the column will be devoted to Beverage antenna questions, but first, however, we'll start with a correction to an answer I gave in the column before the AM Stereo one. I'll also mention what should be obvious, namely, that I'm making my first public attempt at doing this in two columns. We'll see how it goes, hi....

QUESTION: The question was the one which asked for a comparison of the use of a crystal filter and a Q-multiplier.

ANSWER: The real answer is that a quartz crystal, as employed in a crystal filter, resonates as voltage is applied to it. This vibration simulates a very high-Q series tuned circuit. This then acts as an extremely narrow filter which rejects frequencies away from the resonant point. My earlier, erroneous answer indicated that the crystal produced a beat frequency to remove the unwanted signal. My apologies for the error.

QUESTION: I have recently purchased a Magnavox D-2999 SW receiver. On MW, I find strong open carriers on the following frequencies: 830, 755, 680, 1130, and 1360 kHz. These are at intervals of either 125 or 250 kHz. What could be causing these?

ANSWER: Without knowing something about the receiver, I can't say for sure, but I'll offer some ideas. First, does the receiver have either a 125 or 250 kHz crystal calibrator? If so, it may be on either by the intent of the manufacturer (in that it is always on, which I doubt) or that you've simply neglected to turn it off, or that there's a defect in the switching circuitry. What is the IF frequency of the rx? Although I've never heard of either 125 or 250 kHz being used, I suppose that nothing is sacred. Is there some other selectivity device in the rx which is on and oscillating? None that I'm aware of should do that, but, again, stranger things have happened. Try disconnecting it from all accessories, turn all optional equipment built-in off, and use a short wire as an antenna. If that solves it, systematically turn things on or add them back into the overall mix until you find something which brings the problem back again.

QUESTION: I have a Realistic DX-440, which I'd like to use for BCB. It has an external antenna jack which is for SW only. I'd like to use some sort of a loop antenna with it. Can I do this? I also have an Ameco TPA which

I use for SWL. I live in a condo, and can't put up an outdoor antenna.

ANSWER: I'm not familiar with the DX-440 specifically; however, I don't believe that any of its predecessors had an external antenna jack which was limited to SW. Are you sure on this? If it's not, then you can use almost anything. If it is, I'll have to solicit advice from one of the other DX-440 users out there. As to what types of antennas you could use, I've covered this issue in this column a number of times, but the best bet is either to build one (see the Antenna Reference Manuals, [both Vol. 1 and 2] as well as the reprints list for further info. The Radio West loop is still commercially available new. For a used loop, watch the DXchange section of the Editor's section of DX NEWS.

QUESTION: I am looking for a loop, either the NRC FET altazimuth type or something similar to use with an HQ-180AC. My location is subject to many powerful signals in all directions, so I need as good a loop as I can get. What would you suggest?

ANSWER: Refer to the answer to the prior question for part of yours. As to the NRC loop, buying one used is possible, but not probable. Parts availability for someone to build one is greater and greater, considering that the parts specified date back 22 years. One member was building these on a special-order basis, but although I've asked him to respond in these pages, since I don't have an address, and I've had none, I must assume that he is no longer doing so, due either to supply problems or whatever.

QUESTION: I have several questions about Beverage (wave) antennas. A) Can I use various different gauges of wire, and twist connectors without hurting the effect? B) Can I run the antenna along a barbed wire fence with metal posts? Can I do this if the wire is insulated? C) Does coiling the end of the length help? D) I coiled the end of a 750' length [about 100'] and dumped it in a pond. Will this help? E) Is

terminating the end critical? It seems to have no effect. F) For best coverage, how many lengths, and in what directions? If not terminated, does it even matter? Space is not an issue. G) Does wire size or insulated vs. not matter all that much? H) Can I use my Grove tuner as a phaser? If so, how? If not, where can I buy a phasing unit?

ANSWER: Whew! Before specifically answering your various points, I'd like to mention that the NRC Antenna Reference Manuals [again, both volumes] contain a great deal of useful material which will be helpful on this subject. Now, I'll go on. A) Using various gauges of wire isn't a good idea, as it will affect the pattern and may induce unwanted noise. Electrical twist connectors have two major drawbacks for this type of use - first, tension will pull the wires out, resulting in disconnection, and second, the electrical connection is not as good as with either well-soldered, or no joints. That can lead to moisture build-up, corrosion, and much noise. B) Running the antenna along anything metal will seriously impair its performance, both in terms of pattern and noise. This is true regardless of whether the wire is insulated. The metal posts with uninsulated wire will simply ground your antenna, and making it useless. Metal posts with insulated wire won't be as bad, but will still impair performance. C) To the best of my knowledge, coiling the end won't add anything to the effect, and may harm it. D) Throwing the coil into a pond, however, may create an effect quite similar to a direct termination, which leads to the next point. E) Termination is not an absolute. It does significantly reduce signals from the opposite direction. Termination requires a good electrical ground, and the proper value of termination

resistance, which is the most common cause of apparent lack of effect. The values must be experimented with, as per the various articles on the subject. F) How many lengths, and in what directions are usually determined by geographic relation to the target stations and available space. Since the latter isn't an issue, eight wires, each terminated for unidirectional reception and spaced at 45 degree angles would cover all of the possibilities, but from your location and intentions, I would recommend eliminating the North, and East components as you should be able to hear what you want to hear most of the time with any reasonable antenna. In order to do this, all should be terminated. Lengths of between at least 350' should be sufficient. G) Wire size does have an effect. I would suggest stranded copper wire, which is not cheap, of no smaller diameter than #12, and preferably #10 or #8, and preferably insulated. H) So far as I know, the Grove tuners are tuners, and not phasers, and the two are not interchangeable. I am not aware of any phasing units available from commercial manufacturers, however, at least one NRC member has built such units for others in the past. Should this still be the case, I hope that he will contact me, so that I can pass that information on. One note, however, you should be able to achieve your goal without phasing.

FINALE: That's all the stuff which is on hand as of the first of December. Once again, I'd be most happy to have any volunteers to help me with questions which may be beyond me. Obviously, however, I have to recognize that first, hi. Therefore, comments and/or suggestions as to the accuracy or clarity of any answers, as well as any added information are also welcome. 73... *He*

NDB's Operating In/Near the BCB

compiled by Bill Hale

Back in Issue 8 Charles Reh of Leamington, Ontario had a logging of a Non-Directional Beacon station from Colombia. That got me to wonder what other NDB stations are operating in or near the Medium-Wave Band. So with the help of some Flight Information Publications published by the Defense Mapping Agency, I have compiled the following list. Although there are literally hundreds of these NDBs operating from around 195 to 1715 kHz, most are found in the 195 to 400 kHz range. Those with communications receivers are probably well-aware of their existence. I have singled out those operating from 500 kHz to 1715 kHz. Powers for these stations typically range from 20 to 500 watts, to as high as 10000 watts in a few cases. Good DX!

Continental U.S.

Freq	ID	Location	ST	Freq	Location	Country
515	ONH	Jefferson City	MO	1665	LAG	Lago Agrio
515	OS	Columbus	OH	1665	RIO	Riobamba
515	PKV	Port Lavaca	TX	1670	PAH	Prairinha
515	SAK	Glacier Park	MT	1675	ESM	Esmeraldas
515	CL	Port Angeles	WA	1675	ECM	General Rivadeneira
515	CL	Seattle	WA	1685	???	Macara
520	BF	Boeing Field	WA	1685	MER	Mercaderes
521	ORC	Orange City	IA	1700	MAS	Macas
521	TO	Topeka	KS	1715	IS	Jaguari
521	INE	Missoula	MT	1715	SIS	Puerto Asis
524	AJG	Mt. Carmel	IL			
524	UOC	Iowa City	IA			
524	HRD	Hardin County	TX			

Europe, North Africa & Middle East

Freq	ID	Location	Country
507	GBL	Giebelstadt	Germany
512	ETM	Etimesgut	Turkey
519	ALB	Alboran	Spain
522	GDA	Alexandria	Greece
522	STF	Stefanavikion	Greece
545	LIC	Lichfield	England
615	LF6M	Stafford B	Norway #
642	KN	Kostino	USSR
650	DBA	Ed Debba	Sudan
669.5	SWY	Stornoway	Scotland

Canada & Alaska

Freq	ID	Location	ST/PR
516	YWA	Petawawa	ON
519	EAA	Eagle	AK
524	MNL	Valdez	AK
525	ICW	Nenana	AK
529	FDV	Nome	AK
529	QYM	Sumner Strait	AK
530	YCH	Chatham	NB

Caribbean, Central & South America

Freq	ID	Location	Country
520	BHZ	Belo Horizonte	Brazil
*1160	SNG	San Ignacio de Velasco	Bolivia
1606	SRE	Sucre	Bolivia
1610	TDA	Trinidad	Colombia
1613	RAB	Rabinal	Guatemala
1615	MIL	Quincemil	Peru
1620	CEP	Concepcion	Bolivia
1623	FAM	Amalia	Brazil
1623	HUM	Humaita	Brazil
1623	PP	Trombetas	Brazil
1625	PAT	Pastaza	Ecuador
1627	NPA	Nova Paraiso	Brazil
1627	SAC	San Carlos	Brazil
1632	???	Apolo	Bolivia
1635	LMC	Limoncocha	Ecuador
1635	ORI	Orto	Colombia
1640	SJV	San Javier	Bolivia
1645	TLC	Tulcan	Ecuador
1645	YPI	Yaupi	Ecuador
1650	SOT	Reyes	Bolivia
1665	CBR	Cabo Norte	Brazil

Pacific, Australasia & Antarctica

Freq	ID	Location	Country
510	PO	Hsinchu	Taiwan
525	KUJ	Chiayi	Taiwan
1600	NHG	Palmer Station	Antarctica
1615	OR	Ohura	New Zealand
1623	GNV	Gurney	New Guinea
1662	KUB	Kubuna	New Guinea
1670	FU	Flatbush	New Zealand
1675	TSL	Tsili Tsili	New Guinea
1689	MH	Mount Hagen	New Guinea
1692	KIU	Kiunga	New Guinea

* - may have been a misprint and may actually be on 1610

- oil platform

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See? No problem!

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.

Dave Schmidt
P. O. Box 11502
Wilmington, DE 19850
Times are local per Muse.

ERIC BUENEMAN - 5202 CROSS RIDGE CT. - WOODSTOCK, GA 30188-4380

Even though this will arrive way past the deadline for the Special Musings column, I will tell you about my work in radio anyway! Ever since I began DX'ing in '81, I knew that my hobby would eventually lead me to the DJ booth. I grew up listening to the likes of Ron Morgan on KSD-550 (now KUSA) and KSD-FM 93.7, Lee Sherwood on WMAQ-670 (and later KSD/KUSA), Johnny Rabbitt on KXOK-630, Bobby Day on KSLQ-98.1 (now KYKY) and KWK-1380 (now KGLD) and Jim White and the late Jack Carney on KMOX-1120, and those personalities were early influences on my decision to become an on-air personality. With the help of Kevin Vetter, who at the time lived 2 doors down from me in Hazelwood, MD, I got in at KCFV-89.5 Ferguson, MO in the fall of 85. From my start as the production assistant, I did my first airshift in December of that year, but there were some rough edges that needed to be worked out, so it was back to the production studio. I returned to the airwaves to stay in August 86, first doing one hour air shifts then moving into primarily morning air shifts, with fill-in duty in all other time slots. In Feb. 88, I moved to the Thursday morning drive slot with a group of zanies called the New Morning Wrecking Crew. After my father's employer transferred my family to Atlanta, I was out of radio for several months, until trying to get on WRRG-89.3 Atlanta and 2 weeks later getting a board operator job at WPTD-1080 Marietta. After finding that DJ's had been waiting for air shifts since 87, I decided to stick with WPTD-1080, working a volunteer board shift on weekends (the same time as Saturday weddings!) and later as a paid, fill-in announcer/operator. Feeling the urge to be a DJ again, I decided to reduce my responsibilities at WPTD and do an oldies show at WCHR-102.5 across town, which I did on Sunday afternoons and for one quarter, Friday nights. I also did contemporary Christian, Classical and 80's music shows before being fired from this job (again, a volunteer job) in July, due to the fact that I didn't register for classes at the Southern College of Technology. My style was changeable with the stations format, and my way of attracting listeners was through information, trivia and some comedy drop-ins, provided that it fit my personality. Since I got into the broadcast business, I believed in a broadcast business that prefers the most qualified people over friends, acquaintances and relatives of station employees and/or management, and a business that hires without regard to age and disability, in addition to race, sex, creed, national origin or religion. On the other side of the coin, I have not fared so well in my attempt to break in to commercial broadcasting, being turned down for employment at every commercial station that I have ever applied at (the total is 31 so far). I am hoping that my recent ads will change this that were run in Radio World magazine. Improvements have to be made, however, with problems for entry level announcers in the business, including violations to various laws and union restrictions.

DAVID GLEASON - ARSO RADIO CORP. - P O BOX 5725 - SAN JUAN, PR 00906

Greetings! The theme for this issue, members who work in broadcasting, caught my attention so here is a Musing! I have worked in broadcasting since '59, the year that marked my joining the NRC, too. Presently, I am Vice President & Director of Arso Radio Corp. We operate WPRM 98.5 San Juan & WIVA 100.3 Aguadilla, PR as well as WNEL-1430 Caguas, PR, WDSR-1340/WNFB-94.3 Lake City, FL and WINT94.9/WNLS-1270 Tallahassee, FL. The two PR FM's are in a simulcast network much like Y104/Y106 in the Atlanta area. Together, they cover all of PR 3,700,000 pop. Programming is salsa with a personality approach. WNEL serves the Caguas area, PR's 3rd largest metro, with Spanish nostalgia programming and the NotiUno news network. In Lake City, the AM is 24 hours, running news-talk. At night, we run NBC Talknet and Larry King from Mutual. Daytime includes ARN from 6 AM to noon and Russ Limbaugh at 12. The FM is Unistar AC. The air-staff spends most of its time working on local news and features, which we could never do in a small market unless we had the satellite programming. WINT was the #1 station in the last Tallahassee Arbitration, and programs Contemporary Country and is the flagship station for FSU sports. The AM previously as WYIN, programmed motivational talk (sick!) but is now (or will be by the time this is published), WNLS "Notes 1270" with satellite traditional country 6A-7P with Talknet/Larry King overnights. The AM carries FSU baseball, FSU's womens basketball and MRN auto racing on Sundays. All of our stations are 24 hour operations. We are going to rebuild the AM sight for WNLS soon and are in the process of switching to a microwave link from the existing phone line tie. We just assumed ownership of Tallahassee on 11/18 and have a bunch of improvements ready to go. One that most DXers will not pick up on is our association with the Sunstar Network, a FL only operation, whereby we share a 4 person Tallahassee bureau for a substantial enhancement of the stations news presence in the state capital. Of the DX note: WNEL has been operating for about 3 years with 5kw at night, up from the previous 500 watts. We get about 1 report a week from Scandinavia on the station, which are usually answered by our CE. I have not checked whether Tallahassee gets reports. WDSR in Lake City is now using a new AM transmitter and unipole antenna and might get out better, at least locally the signal is much improved. 73

ERNEST COOPER - 5 ANTHONY STREET - PROVINCETOWN, MA 02657

First, a correction. The station we visited in Knoxville at the University of TN was WUOT, not WUTK as I reported in my Musing in the 11/12 DX NEWS. Second, Laura's FF on 1460 has to be CKRB-PQ which puts a strong signal in here in the wee hours. Dave asked for members who work

at radio stations to describe their stations. I don't exactly work at WOMR-91.9, I am a non paid volunteer DJ, on the air 64 hours a week. On Mondays, I do a 15 minute interview show called "Community Profile" on which I talk with people of interest to listeners in this area, such as local entertainers, elder service people, scout leaders, drama directors and actors from local theater groups from here to Harwich, clergy, fund-raisers for various charitable organizations, etc. Then I host the 4 hour "Lower Cape Concert Hall" til 5 PM, then read "The Town Crier", a community calendar type listing to 5:15. Then on Saturday mornings I have 2 hours, the first "The WOMR-Land of Music" featuring concert in the park type band music or, when available, locally produced musical concerts which I have recorded. Then from 11 to 12 noon I do my favorite program "Forward - March", an hour of marches from all around the world. I have over 300 albums and about 75 cassette tapes of such music of my own from which to choose. Our antenna is atop the water tower which is on the town line between Provincetown & Truro. It is a tow bay "weakie". I do my own boardwork and we use a Wheatstone board. We have 2 turntables, 2 cassette players, 2 reel-to-reel players, 2 CD machines and one cart machine. And there are times when all of them work and conversely, times when some of them don't! We have one on-air studio and one production studio, with 2 more turntables, one reel-to-reel and one cassette player, not sure if we have a CD player in there or not. We are supported by underwriting and listeners contributions and the few meager grants available these days and we have a fairly large outstanding loan to pay, besides monthly payments on our condo studios and the usual expenses - phones, power, etc. We are working on a shoestring and can use any donations. We have some excellent new design T-shirts at \$10 in sizes from S to XL in several colors. You T-shirt freaks out there, how about a nice WOMR shirt? Yours for an Alexander Hamilton or two Abraham Lincolns! 73's.

PAUL MOUNT - BOX 126 - LINCROFT, NJ 07738

It's that time of year where AM DXing becomes appealing again. Interest increased from attending the convention, I start tuning around in the car as sunset skip and the drive home from work coincide. And being in a new, more remote location tops it off (logged over 400 stations in two school years at Nelsonville, OH). 10/23 had strong EE teletalk on 690, so took it home and got a strong WPDQ ID at 11P, they use a "69" jingle surely from an old jingle package meaning the year 1969. 10/28 I began to realize that some of the NYC regionals are weak down this way w/WSYB-1380 VT well over WKDM at 7P, this near NJ 18/NJ 79 in Marlboro. 10/29 likely WYOT NC on 1420 ending NC network news and W-OT ID at 6P. Normally, I don't get out of work til 6P, well beyond LSS in November, but I got out of UNIX class early a couple of Mondays. 11/5 had 1 kHz hzr on 890, 1350, 1520 around 4:45 P, I've heard of times where these tones as hets turn into audio with adequate signal strength. Interestingly, ERC had Saudi Arabia on 1521 around the same time the week before. DX at home included, the first showing of CHTX-990 at 5:06P with jingle/DJ talk sounding like '990 Jam' but 'Jam' could be talk for a custom mix or a set of songs-in-a-row. Another weaker NYC regional allowed WFDX-1600 PA between 5:15-6:01P at times loud. Contrary to log, they are CHR with "AM 1", the all hit AM slogan, report & tape sent, first in several years. Also I wonder if their allocation has changed to be on that loud that late? ID was Elizabethtown-Hershey. Also logged CHOW-1470 ON on their version of "Tradico", 'The classified of Welland' ending 5:37P into country. MM 11/12 a couple of voice ID's, code ID's and one piece of march music pushed WARU-1600 thru nullable but pesty WRRL around 2:15A Unlike most, I've been to Peru, IN (cousin there) so glad to report it, tape sent as well. No luck with the CO test though, also getting sleepy, not used to those MM's til 3A+. Here's an UNID, M/F anc'r in French, Radio Canada ID's around 3:30A on 1250, also had 3 stations, one each in EE/FF/SS on 1260. (SS was Miami, no doubt-DWS) Monday 11/19 using the Sony CFSW501 boom box this time, this rx is almost as sensitive and good at nulling as the TRF but makes up for that with digital readout, 7 pre-sets and a built in 5 band equalizer which can have abig effect on distinguishing a talker from a rocker on the same frequency. It's been replaced by the 505, having 10 presets plus a timer that will start recording a station, Bob Smolarek has one. DX highlights included finally hearing WAMS-1380 more than 5 miles away from DE at 5:05P w/ABC news and oldies. Tentative on s/off of WITM-1520 TN in WWKB null at 5:15P, call sounded more like WIGM, announcement mentioned 1000 watts, Christian broadcasting contrary to log. At first, an UNID religious talker on 1330 at 5:20P, urging people to call Rev. James Wade's prayer line at a 215 number. I called and asked what station it might be and got only "why do you want to know" or "listen again same time tomorrow" from him. WASA s/off at 5:43P (mentioning 500 watts night time) as 'Christian Family Radio' led to phone call confirming the Rev. Dr. And WMO-830 NC w/REL, strong NC accented anc'r 6:06P then gone, late power-pattern change. Lastly, WLIF-1300 (Lite 102) and WMZQ-1390 (98.7 FM) simulcasting, and WRDH-850 w/unmistakeable Boston accented anc'r. That's it, 73's.

KARL V. JETER - 2115 SCARBROUGH ROAD - STONE MOUNTAIN, GA 30088

DX has been picking up a bit lately due in part to the CPC test schedule which has been getting me in front of the radio at least, even if I haven't been able to hear them all! I was even trying for VT on 1380 (with local WAOK on) and SD on 1490, I didn't hear either one. I have a tentative on WARU-1600 on their 11/12 test, as I heard some distinctive tones between 2-2:30A but no ID's unfortunately, so a tentative report/tape sent to them. Definitely heard was the KSTL-690 test on 11/25 with mucho tones and music and even a few weak voice ID's. Probably the best catch of the season so far was WTVB-1590 MI on 11/20 afternoon, I heard mentions of 'Branch Co.' and a town of 'quincy' so I clued in and later heard an ad for "shop downtown Coldwater" so that was a nice surprise to say the least! I have been spending some time on the clears to see what's on with the dominant stations nulled. KGHT-880 AR has been pretty regular under WCBS, on 1120 have logged WCGM-TN with KMOX reduced, also WBZR-FL with BRN. They were running

straight BRN with absolutely no local spots, promos or news, only an ID several times an hour. They were last heard as WWOJ last year while testing with audio from another station, WFSH-1240! I was curious about hearing WFSH on 1120 so I called and the CE explained that it was WWOJ. He never did make good on his promise to forward my WWOJ report to them so I'll try again, even though WBZR's address is listed as Shaker Heights, OH! A few veries have been filtering in: WBIN-1540, WLUX-1550-Test, WFLO-870 & WHCU-870, all with letters and the V/S have gone to Wayne (as soon as I get a page-full). Returns seem to be down so far this year after a couple of relatively good years. In 1989, I believe I had a couple of unanswered reports. Support for Dave's colum also seems to be down, I really like to get my DX NEWS and flip back to a nice "fat" Musings section. It makes for good reading while settling down to a nice session at the dials! Unfortunately this hasn't been the case lately, as it's been more the appetizer without the main course-hi! So let's see some more Musings! 73's for now!

RUSS EDMUNDS - 753 VALLEY ROAD - BLUE BELL, PA 19422

Greetings, this is my first Musing in a while, and certainly since you've taken over the column, Dave, welcome back! I've finally gotten back into some BCB DX after I became convinced in late October that FM had truly died for the year. Nothing of great interest logged so far as I am still "filling in the holes" left by moving here in 83, inactivity prior to that and subsequent. I have noticed that my log notations certainly reflect very few loggings which could clearly be labelled as directly related to moving. Five new loggings, one, ultimately, as it's now back on, is the Valley Forge (PA) TIS on 1610 can be clearly attributed to the move. 13 are the results of frequency changes, 3 due to power/pattern changes and/or added operations, while 23 are new stations. I've also noted 27 call changes. That doesn't count stations heard previously in North Jersey at either SSS or SRS, which are now fulltime and semi-regular. So far I've attempted neither foreign nor graveyard DX here. I've also attempted no Tests nor any late night DX. At this point, sleep has to come first-hi! I continue to have some as yet undiagnosed noise problems as well as numerous spurs. I had hoped to get a longwire up this year, to see if it would make any difference as perhaps the loop doesn't like the basement shack, but unless the warm weather continues into December, it likely won't happen. I'm also trying to couple the 2 foot loop to the car radio for some visits to a local park for some DX sessions come Spring. Failing that, I'll bring the trusty Hamnerlund HR10 or the Nordmande. Just a bit of sunrise and a bit of evening DX of late, reported to DDXD. More later.....73's

RICK DAU - RR 2, BOX 64 - OAKLAND, IA 51560-9630

Hello again from IA, home of the Rose Bowl bound Hawkeyes! CA, here we come! First off, I want to thank those who made it to my IA City GTG on 11/3. There were 13 in attendance: myself, Ernie W., Paul Swearingen, Todd Brandenburg (who got a good look at the IA City nightlife after the GTG was over), Frank Merrill, Mark Strickert, John Clemmer, Doug Beard, IRCA member Tim Noonan and his wife Jill (both from Madison, WI), and IA DX'ers Jerry Strawman (Cedar Rapids), Jim Thompson (Waukon), and Alan Barchman (Davenport). Jim stated that he began DX'ing back in the late 30s and that he had lost some interest in the hobby but this GTG may get him back into it. Let's hope Paul can get Jerry, Jim, & Alan signed up. (Jerry Strawman sold me a HQ180AC a few years back, I thought he was a member-DWS). By the way, Mike Knitter, where were YOU? In local radio happenings, KOIL-1290 dropped its live oldies on 12/1 in favor of bird oldies. KOIL's demise leaves WHB-710, KIOA-940 & KOMA-1520 as the only premier midwestern oldies stations that are still live. I enjoyed the special DDXD-E "all time greatest" feature in #5. Since I have more room here, these are what I consider to be the TEN best loggings that I have ever bagged here on the farm: 1) KOMO-1000 WA (night pattern 2/27/89), 2) WSGA-1400 GA (my most distant GYer), 3) KREL-1280 NV (1st NV catch), 4) KTRC-1400 NM, 5) WSBT-960 IN (with 40 mile distant KMA on), 6) KCAR-1350-TX (on 65 watt PSSA), 7) KGA-1510-WA, 8) WRIX-1020 SC, 9) WFLO-870 VA, 10) KVOP-1400 TX. I could probably talk at length about some of the other more incredible catches I've snared since 77 but that would take up another whole Muse! Since 11/1, I've heard 32 new stations, maybe 34 if I can get a couple of UNIDS solved. Total heard now stands at 1053. Happy Holidays and best of DX to all in '91. 73's from The Farm!

JACK WOODS - BOX 1003 - WALDPOR, OR 97394

The KDKA 70th anniversary article in #8 reminds one of the research project at the University of WV which showed a relationship between tropospheric weather and radio signal propagation. For 3 years, researchers at the Morgantown campus continuously recorded the signal strength of KDKA and also weather conditions in the area. They found a close relationship between nighttime signal levels and barometric pressure, with higher signals received when a low pressure area was to the north of Morgantown. They found that changes in the signal from KDKA could be used to forecast Morgantown weather 12 to 24 hours ahead. A rising signal after nightfall would indicate an approaching storm while a falling signal would precede fair weather. Only about 5 percent of their predictions were in error. This research was the subject of several articles in the IRE proceedings. One article was 'Weather Forecasting by Radio Signal Intensity' proceedings of the IRE, V18,p533, March 1930. New subject: it has been reported recently in DXN that TP DX is coming back, after a couple of years absence. It looks that way to me also. HI signals have an quite good for about a month. During the morning of 12/1, KIKI-830 was in like a local. Haven't heard AK for several years, but I believe I caught a few words from KYAK with CISL nulled, a couple of nights back. Receiving AK has never been easy in my 5 years here. 73

JIM RENFREW - 61 WILCOX STREET - ROCHESTER, NY 14607-3832

Where would I be if it wasn't for the radio? Though my wife often expresses her opinion that I'm abnormal, I always answer that perhaps she would prefer that I hang out at the saloon or OTB instead of the attic! I'm typing this only a few minutes after hearings President Bush's press conference concerning the 1/15 deadline issued to Iraq, after which military action has

been endorsed by the UN. This all reminds me of my original interest in DX'ing, which came during the Vietnam War: to hear different perspectives on world events, perspectives which are as close at hand as a cheap radio, yet which are largely unknown to the average citizen. My dad's shop radio had the shortwave band and I learned how to find Radio Tirana, Radio Moscow and Radio Peking and hear the different view of the war. Yes, much of it was obvious propaganda but it taught me to listen to any news with a critical mind. Like many of us, I get caught up in getting loggings, hunting for targets, and keeping records, but through it all I have gained a deep appreciation for world events. Through DX'ing I have become informed. Not only through the actual hearing, but through studying maps, the languages, the newspapers and magazines that are essential to DX'ing. I recently attended a DX camp sponsored by the ON DX Assoc., in near-by Letchworth State Park. By the second day, when we were too exhausted to maintain the listening, or because of earphone deafness, we got to talking. This was one well informed group, I quickly realized. People who think through what they hear on radio talk shows, who follow politics, international relations, economic policies, media and other vital matters. DX'ing is not an escapist avocation but the way become citizens of the world!

MARTIN WISHNEWITZ - 35-34 84th ST., APT D-10 - JACKSON HEIGHTS, NY 11372

On Sat. 12/1, a car trip to Springfield/Holyoke, MA from NYC brought me to the Holyoke Mall at Ingleside, MA where WMA5-1450/FM 95 was broadcasting live. I spoke with Steve Williams, PD & Wayne Carter, telling them about the NRC. I was told the station broadcasts at 1000 watts day & night, FM with 50000 watts. Also got some bumper stickers. Other notes from my Sony Walkman between Springfield and West Hartford: WCCC-1290 simulcast 105.9 with rock music, WNEZ-910 with "Kool Gold" with a contest to win a 55 Buick, WNTY-990 CT with CNN news on the hour, WFIC-1080 which can be heard from the MA boarder to my home in Queens, NY advertised their Holiday Store, WPOP-1410 another station heard all over the state carrying financial news at 5 PM. Of course, more stations could be heard but my freinds with me preferred to listen to the car radio and tapes which distracted me from doing any serious bandscans. Locally, WICC-600 CT are WEBE 107.9 are simulcasting rock music at night. I called the WICC phone number and the person who answered mentioned that when WICC was sold a while back, WEBE was somehow involved with the sale. That's all folks, good DX til next time!

BILL PRATHER - PO BOX 62 - TRYON, NC 28782

Hello again from the NC Mountains. My new employer, "Multimedia" has WORD-910 on line now. It is just a simulcast of WFBC-1330 News-Talk except for some of the spots. They are running some spots separately on WORD. It is really strange taking meter readings for the FM and 2 AM stations! The engineers says a third one within the market could be down the road. WORD has a new ground system, towers, etc. So there is a pretty good signal on 910 now. It is a U4 pattern, both more or less SE. As DX News noted several weeks ago, my local WTYN-1160 is simulcasting WHKP-1450 in Hendersonville. They sound pretty good with a "full service" type deal, also Rush Limbaugh & Larry King. WANS-1280 just down the road from here as dropped their CHR simulcast of the FM and gone to the "Stardust" big-band feed. That's 2 in this area as WISE-1310, the old "Big Wise", also uses Stardust. OK, that's it for the brief update from here!

BRUCE CONTI - 34 KESSLER FARM DR., APT. 566 - NASHUA, NH 03063

I set up a 100' LW and tuned on the R70 for the first time in ages, anticipating some good DX if the midwestern earthquake prediction came true. 12/1: WDJZ-1530 CT was in strong with Portuguese, s/off consisted of jingle at 5:29P. An UNID w/CW music was o/u CHE-1550 ON until lost at 6P. A local TIS wipes out any chance for DX on 1610 here, it's WNU-384 Nashua, the NHDOT 'Commuter Information Station' currently broadcasting info about the recently opened Exit 10 on the Everett Turnpike in Merrimack. CJRS-1510 PQ was bombing in o/WSSH at 7:07P, WSSH simulcasts 99.5 FM, ID's as "Boston's Wish". 12/2 checking out the low end of the dial this time, there's a strange station on 530 w/a voice repeating "2A, 2B, 2C...2K". I kept it on for an hour or so while doing homework hoping for an ID - nada. CJSB-540 ON was on top at 10:40P w/ heavy metal rock and "54 rock" ID's. CFNB-550 NB came in good at 11:17P w/CHR and promos for 'The Big 3' most requested songs of the night and 'CFNB Mini Concerts'. An UNID was w/CFNB w/ Spanish salsa music. Caught WZON-620 ME ID at 12:00A thru messy splash from local WGIR-610 NH. 12/3 gospel music heard o/WLM-700 from 12:10-12:20A when it faded out, this may have been CHSJ. WLDW had 'Interstate 700' CW music program for truckers. I sat on 700 for a while, sometimes the gospel music came back momentarily o/WLM but never w/an ID. Later next evening, I checked 700 again - no luck. CHFN-720 PEI was dominant o/WGN at 11:39P w/'Classic Hits'. 12/4 CKCW-1220 NB was battling for position w/'more music, less talk, and another 3 o/u an UNID FCC at 10:34P. 1570 is getting to be an interesting frequency with all the low power full timers. An UNID was in there w/REL at 10:50P, maybe WFEL MD. Another came in briefly w/12 days of XMAS promo and mntioned the Bel Air Plaza. Also heard was a live report from SU/NC State basketball game at 11:08P. Of course, CKLM was in there, too, strongest at 11:15P w/FF & EE slow rock tunes. It's too bad more US AM stations don't play music like the Canadians. All that talk gets boring. 73's

ED KOWALSKI - 10430 COLLINGHAM DRIVE - FAIRFAX, VA 22032-2608

It's been many years since I last Mused, so there's a lot to catch up on. First, I'm 49 years old, married, have been DX'ing since age 12, first with several types of console radios, now have a collection of almost every high-end hollow state receiver ever made, and have spent most of my life in the Philadelphia, PA area, having migrated to N VA 2 years ago. I had been employed with the city of Philadelphia for over 27 years, the last few of those as Superintendent of Communications. The last 2 years have been spent with the federal government with the agency for International Development and the Dept. of Defense, as a Communications Specialist. This has afforded me the opportunity to travel throughout the world, most recently to Saudi Arabia (12/8) in support of Desert Shield. The most popular radio station there is Desert Shield

Radio (FM 105 & 107) which offers a mix of literally everything (rock, CW, even radio drama!). The AM band is a mass of jammers, most notably the Iraq, Iran and Kuwait frequencies, 540, 1188, & 1197 khz being very strong in Riyadh. The 540 jammer is particularly broad. Evenings, BBC Masirah (1413) and BBC Cyprus (1323) were fairly strong and in the clear, in English. My portable receiver is a Sony ICF 2010, which has proven to be a real friend on my travels. Noticed an interesting effect with the receiver, after my last trip: receiver will not turn on, controls/push buttons have no effect, and clock cannot be adjusted, even though it was showing the correct time. This turned out to be a glitch in the computer and was easily cured by removing the batteries for a few seconds, then returning them to the radio. Lo & behold, all functions are restored! I'm a collector of hollow-state radio receivers and am always interested if someone would like to sell a unusual unit. I'm particularly interested in acquiring an 18 tube Midwest (like the one I started DXing on) or a multi-band Philco console or table model. My current location is in Fairfax County, VA, west of DX, and we use a Superadio as our kitchen receiver due to low local signal levels. My DX receiver is my trusty HQ180, with an HRO 500, NC 400, and R390. Always interested in hearing from other DX'ers, also. 73's

PETE CLARIUS - 1583 CASTLETON AVE. - STATEN ISLAND, NY 10302-1312

Thought it was about time that you heard again from "Garbage Island". Well, as in other years, the Maritime stations have been pushing thru, such as CBA-1070, which I am listening to as I write this at 4P, they are way on top of WKMB NJ. A week or so ago at 5A, CKCK-1320 NS were pounding in so I called them and they were not that surprised as the DJ told me they moved their transmitter and they were also using 25000 watts, but they were glad to get the call and said they will verify. CBI-1140 can be heard a few mornings on top of WRVA. I know I am late but I want to thank John Malicky for a wonderful time at the Pittsburgh convention, it was great and I apologize for getting sick on the bus trip and missing the KDKA tour. I keep telling people about the wonderful change in Pittsburgh compared to my last visit which was a stop over about 20 years ago. Happy Holidays everybody!

BILL ALISASKAS - 7553 HILLSIDE DRIVE - DOUGLASVILLE, GA 30134

Just a billion lines to say "hello" again and congratulations on the "editorship", Dave, I wish you well. (Thanks, Bill, but I still can't explain the whistling noise I hear on a windy day when I don't wear a hat-hi!-DWS). Guess while I'm at it, a reintro for this random Muse, stats are: 43 years old, married with 4 kids and gainfully employed by the State of GA since 7/90. I'm still DX'ing AM, FM & TV. Equipment includes a GE Superadio II for AM (no external ant.), with a Winegard very deep fringe antenna for FM & TV. Best shot ever heard would be KKLF-1370 MT, verified back in the 60's. And why am I in this group after 20 years? Guess it's guys like Jerry Bond (who 'leaned on me' to join, ERC, Joe Fela, and yourself! Plus all the rest that make it one fine group! My best for 1991!

ERNEST COOPER - 5 ANTHONY STREET - PROVINCETOWN, MA 02657

Only 2 AM veries have trickled in: WIEZ-670 and my report to WRHZ-1570-NY produced a v/1 from WRHD, as they have changed back to their earlier calls now that they have dropped Z-Rock, which got them Z-row ratings. They're now CW. Laura's UNID FCC on 1460 has to be CKRB-PQ, they often dominate during the wee hours here. No Wendell, WCKY doesn't carry Larry King. Doug Smith, your CW u/WLUP could be CKRW-NS which is CW AN and on the "Star Country" Canadian network. The clear channels still yield their dominant stations in the cases of WBAF-820 7 WOA1-1200 TX & WWL-870 LA for example. WOA1 was a surprise, atop 11/26 at 2A. Thu 11/30 on 1480, a black preacher noted around 1:58A then at 2A, NYC's WZRC surfaced and a report was taken, but the letter came back, the address is no good as in the log, ditto WBSK-1350. (For WZRC, try the address for the NYC FM on 92.3, same ownership. For WBSK-1350, try 645 Church St., #201, Norfolk, VA 23510, attn.: Mike Chandler, tied in with WOIW-DWS). Their DJ was "Crazy Mike". Sat. 12/1 is that St. Pierre de Miquelon I'm hearing on 1375a with very low modulation in FF or is it the France outlet on 1377? They have 5 pips on the hour then a pause and one longer pip at 2A. No other TA's were noted so I'm think St. P. MM 12/3 no sign of the KOJ-610-TEST. The local powerhouse-slopper on 680 was completely off yielding me CKOG-NF. Tues 12/4 my still UNID 1590 SS seems to feature shouting style preaching at least between, at least between 1:30 2A. (Try WJRO-MD, they feature that stuff during day hours-DWS). MM 12/10 WLIF-1300 topping WAVZ at times and a second report sent to this former holdout (Ray Hepner or Fred Rathart, try theh-DWS). They feature programming very similar to WAVZ, MOR/EZL. Thu 12/13 Unn WADV-940 'Solid Gospel Radio' in with boucy gospel music 4:23-4:30P. Fri. 12/14 Caribbean Lighthouse-690 was in the null of CBF/WKRO-680, first logging of them on this frequency, they simulcast on 1610 which is a lot easier to hear, of course. I was surprised to find I do not have 1610 verified, my only Anguilla verie is for the station on 1505. I'll send a dual report and hope for a verie of both frequencies. Looks like there's an 11th Commandment for radio stations these days, "thou shalt not verify". We send 500,000 men to defend Arabia, you'd think they could send one letter to the USA. It has come yet, as of 12/15. A belated Happy New Year to you all and the NRC in general. Forward - March!

GEORGE A SANTULLI - 912 MARSHALL DR. NE - LEEBSBURG, VA 22075

The theme issue for those in broadcasting has brought me out of the woods to grace these pages that I have been too long gone. I have been in broadcasting in some form or fashion since I was 16 years old in NJ. I got into it one cold March night when I was home sick from school. Bored with TV I started to listen to our kitchen radio and lo & behold, in comes a station in Cincinnati, OH (WCKY). For a 13 year old for some reason, I thought that our radio located some 20 miles from NYC should and could only receive stations from there. I don't believe I slept that night, logging in Buffalo, Boston, Chicago Des Monies & others. I was hooked and it hasn't changed some 30 years later. From that night I decided that I wanted to work in broadcasting and eventually got a series of radio jobs in the New York metro area, went to Memphis State University for TV Broadcasting, worked at the Memphis area TV stations until the 70's when I

went out to CA and worked at stations in Santa Barbara and LA. In 82, I came to Washington, DC to become a TV producer with the US Information Agency TV, the TV version of the VOA. Through all these years, I have never tired of listening to stations from all over the globe and except for the college years, have maintained my membership in the NRC. The future of our hobby with the advent of digital technology will be interesting especially during the transition period when some stations will leave the MW for the newer spectrum. We may even get to see again what it was like in the old days when a 250 watt from CA could be heard in the East. I hope 1991 is good to everyone and you catch your most wanted station. I DX now with an NRD 525 received last Christmas. I now have a mint HQ180AC for sale, recently retubed and aligned 2 years ago. Best offers to above address.

ROD O'CONNOR - PO BOX 3488 - KODIAK, AK 99615

Seasons greetings, DXers! So far it has been a pretty good DX season. Am trying to take advantage of as many CPC DX Tests as I can. Did tentatively receive the KRYX-1600 Test. Although I did copy only a few seconds of tones and a possible "R-X" call, a tentative report was sent and a verie back last week, confirming reception. Almost totally drowned out by KEED.

For several nights, I tried taping and playing back the hourly ID. Kept hearing what I thought was KPCC from some "Springs" area. Oh well, not to far off. The test from KWA-1290 was not heard, only KHSL and UNID's with CW music and Larry King. Local Alaskan Tidbits: APRN-890 is now on from a new site and tower, replacing the 50 year old mountain top site and inverted V type antenna at Mount Moffett. New site is near Sweeper Cove, perhaps 1000 feet from water and much more accessible. Signal is still 250 watts but doesn't seem to get out as well as from the old site. Still, 200 miles for a 250 watt isn't bad. No local programming except for hourly ID. Relays AFRTS satellite audio, same as what used to be heard on WW. Also same format now heard by troops in Middle East, straight from AFRTS in CA. Back in 77-78, I used to work there while stationed in Adak. Even though KBBI Homer has moved to 890, and is a semi-local here, AFRN does still occasionally squeak in here in KBBI's null. KRYU-910 Galsma has some local programming during AM and late PM but repeats about 2/3rds of its fare from KSKO-790. Also repeating is the new KNSA-930, getting it's programming from KDLG-670. KNSA just started up last summer and hopes to eventually do some local programming. Former KENY-980 is now KZXX with Classic Rock, no longer CW and never was news-talk as some sources reported, shifted calls and format in August. KZNY-830 remain silent as does their co-owned KXKZ-FM. Tried to catch the test from MLER, LATL & KOJM but being stuck in bed with the flu, I didn't make it. Even if I do try for MLER, and don't receive it, I try to make it a point of dropping a post card to the station to say thanks. It seems to be well received as I have received 2 replies from stations this winter thanking me for trying, and enclosing results of where they were heard. Courtesy seems to pay off at times. Have been noticing that usual-regular until the earthquake KGO-810 is back to normal strength here. I presume they fixed their towers or are they still using temporary facilities? If so, their signal sounds normal. They have always been one of the strongest signals heard here for years. I just retired after 20 years military service in the Coast Guard, so I'm now working part time at local Public Radio KXKT FM with an afternoon shift. It's nice to get some real experience in radio now, and I'm really enjoying it. Trouble is I seem to be even more busy now than I was in the CG! At least I'm not under way on ships anymore sharing my luck with the Bering Sea! See ya later and happy holidays to all!

GERRY THOMAS - 3635 CHASTAIN WAY - PENSACOLA, FL 32504

It's been a long time since I've contributed to this column; the usual time pressures the problem. I was really looking forward to this season but in August I got a call from the local university saying they were in desperate need of someone to teach a somewhat esoteric course this fall; I reluctantly agreed and out the window went my DX'ing time. Anyway, I turned in final grades a couple of days ago and have returned to radio matters. Locally, the AM band is pretty dismal, 2 religious stations (WHYM-610 & WPFA-790), a "Kool Gold" oldies station (WTXK-1230), a robot-radio EZL outlet (WBSR-1450) and news talk (WCOA-1370). I couldn't agree more with Mark Connelly regarding the state of programming on AM, no character anymore. On other matters, I've been trying since June to finish a couple of articles on loop antennas that I've written (a phaser-loop, a Q-Loop and a double-barreled loop) but my super deal clone computer finally bit the dust in August. In 4 years of near continuous battling with the thing (the only thing I hadn't replaced was one TASC disc drive!), I gave up and bought a Hewlett-Packard 05/16S to go with my Hewlett-Packard Deskjet Plus printer. If you are considering a \$1500/\$2000 computer, before you buy a lesser computer, check with your nearest HP sales office (not dealer). It turns out salesmen's demos are pulled from service after 9 months and are sold for 40% of list. I got a \$3900 computer for about \$1700. (I know the preceding isn't directly related to DX but since many of us use computers, I thought I'd pass on this money saving tip). One exciting possibility on the horizon for me this coming year is a research project at the Navy's Home-stead listening post down in S FL. I've always wanted to get inside one of these sophisticated government installations with their banks of receivers and Wullen-Weber antenna and it looks like I'll get down there some time this year (Federal budget constraints permitting). Unfortunately, Top Secret clearance is required to enter these facilities so an article detailing the facility is unlikely. Finally, I can't wait to see what the new Drake R8 is all about, apparently due out later this year. What's about it from here. 73's.

BRUCE CONTI - 34 KESSLER FARM DR. APT 566 - NASHUA, NH 03063

In the 12/3 DDXD-E, JR-NY reported hearing WNNW-1110 NH, at first thinking it was the Dominican Republic. So I thought a brief profile of WNNW would be of interest to JR and fellow NRC'ers. The top of the hour ID is as "WNNW Salem-Methuen, For Winners Only". The station airs staff from the Winners News Network on weekday mornings. The rest of the time is dedicated to Spanish news, music and info. The station serves the large Dominican community of Lawrence, IN of the Merrimack River on Broadway. I believe there is a remote studio located next to El Coqui Resort Shop on Broadway. The favorite music of the Dominicans living in this area is

merengue, a fast-tempo upbeat sound with origins from Haiti and DR. Modern SS merengue has salsa influence but retains the distinct rhythm. You can hear mucho merengue, along with salsa and ballads on WNNW with many ads for the Santo Domingo Market and other community businesses. 12/8 WVOF-1580 NC was in good o/CBJ w/s/off 5P as "the all new WVOF" ID. WARD-1540 strong w/HS football, ID at 5:54P, mentioning serving "Wilkes Barre, Scranton, Hazelton". 12/9 WGNA-1460 NY was in good w/CW music and 'Country 107.7' ID's at 12:59A. Staying tuned to 1460 from 1-2:15A, there was an UNID o/u WGNA w/CW music in EE and FF, along w/a FF DJ. Heard a jingle that sounded like C100 Country several times. Possible FM simulcast? This is the same UNID that LMC-NY reported in DDXD 11/26. WNNW s/off noted w/piano instrumental SSB at 6:03P leaving WHIM-RI in the clear. 12/10: An UNID SS station w/Cubanos BBD music and noticia at 1A was u/WOR-710 and a strong het. A check of 5025 shortwave found no sign of Radio Rebelde for possible parallel. This Spanish flavored Musing comes to an end with some radtings info. The October Arbitrons place Radio Mambi WAQI-710 and Radio Ritmo WMDJ-95.7 as #1 in Miami according to an ad in the December issue of Ahora Internacional. 73s.

DAVE SCHMIDT - PO BOX 11502 - WILMINGTON, DE 19850

News at this end is the move on WWSJ-1360, now running 1000/250 UI from the new sight in Washington Township, NJ. Format is talk, local and network, ABC news on hour. Sked is 24 hours except when I've got to pull them down for transmitter work-hi! When complete, power will be 5000/800. Give it a try!

Everything in this report cleans out the file from our "break" so your reports for the column would be deeply appreciated. It was good to see some of the names I can remember getting back in the fold again. Reports are appreciated as always. Our oldest son, Eric, was interested in getting a DX440, so I figured what a great idea for a present. So, the search was on. In 4 Radio Shack stores that I went to, I was told everything from they were out of stock to "all the units were pulled from the store and sent to Saudi Arabia"! One store which didn't have any "knows" that another has them, so a trail was burnt to the other store and they say they were one of the first to run out! Anyone wish to write a book of excuses?-hi! 73's

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Frequency Deviations

Raymond F. Cole

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Observations of measured frequency deviations and associated activities

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Dr. Browning said that there would be a 50-50 chance of a major quake here in this 120 mile long New Madrid seismic zone around Dec. 3rd. I would judge from my log sheet that the chances were even greater. In fact, I don't know how we escaped a major quake.

Thirteen tiny local tremors within a 15 mile radius were reported to me in seven days, plus CNN unedited satellite - picked up in California - reported six 1.0 to 1.1 tremors in this seismic zone on Friday, Nov. 30th, for that day alone. None of these were reported to the public here - and I understand none under a 3.0 will be, in order to minimize any panic.

Today I hear that the "non-reporting" level is being raised to 4.0. We do have a local quarry doing almost daily blasting, which could be a good cover, except that they always blast during lunch hour when all employees are out of the quarry. They were not blasting today, Sunday, at 9:30 A.M. when a light jolt knocked off some scrap lumber stored across the rear bumper of my travel trailer radio shack - while I was in it. No information available on it.

As I previously stated, tidal forces only affect my 14 monitored frequencies occasionally, but this combination of tidal forces very obviously affected them greatly, putting various combinations of pressure and tension on the seven known fault lines within five miles of my location.

A dot on my log sheet indicates a station signal being where it ought to be on my vernier dial. As you can see, most of the 14 frequencies were "off" most of the time, a couple as far as four and five khz. And the changes were often in a rapid "yo-yo" effect, evidently due to relief of forces by all those tiny local tremors.

Times of frequency checks are in U.T. so as to coincide with quake records from Golden, CO, and St. Louis University. I made checks as often

as possible, staying up all night one night and getting up on others.

If a quake had occurred "on schedule", several "unorthodox" (but quite effective) possible warning methods would have had an excellent chance for funding for further development. Since it did not occur, and since all such funding is at the discretion of the U.S.G.S. and their tightly closed and locked minds, all such chance has evaporated. The public does not know how close they came to a quake and will have to be content with the same virtually useless warnings in terms of decades and centuries.

P.S. We are still at high risk to a peak again on December 31st, and a lower risk until another peak on January 30th. And I will be logging it all.

ING FREQUENCY DEVIATIONS - 1990

APPARENT TUN

