

DX News

•Serving DX'ers since 1933•

Volume 59, No. 18 - February 10, 1992 (ISSN 0737-1659)



Inside...

- 2 .. CPC Tests
- 3 .. AM Switch
- 4 .. DDXD-E
- 15 .. In the Beginning
- 16 .. DDXD-W
- College Sports Nets
- 17 .. IDX
- 18 .. UnID's Revisited
- 26 .. MWDX-5
- 37 .. Formats
- 38 .. For Beginners
- 40 .. WCIN, KPLS
- 42 .. Musings
- 43 .. Contests

CPC Test Calendar

Call	Freq	Date	ELT Time
WVWV	630	Feb 10, 1992	0000-0030
WZZZ	1300	Feb 10, 1992	0115-0200
WAAM	1600	Feb 10, 1992	0300-0330
KONA	610	Feb 10, 1992	0330-0400
KADA	1230	Feb 15, 1992	0100-0130
KGFW	1340	Feb 17, 1992	0200-0230
WILD	1020	Feb 17, 1992	0200-0300
KUSD	690	Feb 17, 1992	0300-0330
WDAY	970	Feb 17, 1992	0300-0400
KCRV	1370	Feb 17, 1992	0615-0645
WJLK	1300	Feb 24, 1992	0000-0100
WTRP	620	Feb 24, 1992	0001-0030
WTMA	1250	Feb 24, 1992	0300-0330
WVNE	760	Feb 24, 1992	0400-0500
KBBS	1450	Mar 1, 1992	0200-0400

From the publisher ...

Ah, what fun it is to put together this weekly missive! You'll note a few extra pages this week, as I decided to keep the articles inside whole, and current, rather than split them up just to keep postage costs down (A 24-pager can be mailed for .276 cents each, but any pages over 24 bumps the cost to .506 cents.) A few weeks ago I had to use some obvious newspaper clipping filler. So ... keep the articles, clippings, and station logos coming. You may not see them in print right away, but you can be sure that they're appreciated and stand a good chance of being used eventually!

We're still accepting applications for editorships of DDXD. Bill Hale will remain as an editor of a portion of the column, with the exact location to be decided after consideration of the locations of other applicants as well as the location of Bill. He has volunteered to take over DDXD-W from Wayne

Heinen, who will work on the NRC Log and other publications. Wayne will continue to edit Verie Signers and help out with CPC tests. Also, I could still use other volunteer typists for occasional typing of items sent here which cannot be reproduced as sent. All volunteers should have access to a computer.

Des Moines '92 ... Rick Dau is close to choosing the convention hotel for the Labor Day bash in the Iowa capital city, so now's the time to start planning for a weekend of fun in the midwest.

They joined ... John D. Hathaway, Sr. W9LMC, Champaign, IL.

CPC Tests ...

WVWV - 630, P. O. Box 374 - St. Marys, WY 26170 will run a DX test from 0000 to 0030 ELT Monday morning February 10. The test will in-

(continued on page two)

DX Time Machine

From the pages of DX News

50 years ago ... from the Feb. 7, 1942 DXN: Announcement from the FCC that no new construction permits for broadcasting stations will be issued unless in areas that have unsatisfactory primary coverage.

25 years ago ... from the Feb. 11, 1967 DXN: Bill Stone, Scarborough, ON, was starting his 33rd year as an NRC member and commented: "I do not know of anything that gave me more enjoyment in my life" ... Steve Weinstein, PA, logged KORI-650 "very weak at 3:45 am on MM 1/30".

10 years ago ... from the Feb. 8, 1982 DXN: Misfortunes: Radio West was shut down, and SLDX was deleted from the ANARC listing for "complaints and irregularities".

(continued from page one)

clude voice ID's, tones, and "easily identifiable music". Prepaid phone calls will be accepted during the test at (304) 684-3400. Our thanks to Mr. Bob Eddy, President/General Manager/Chief Engineer for this test. Arranged by J. D. Stephens for the IRCA.

WZZZ-1300, 1300 Radio Park, Lakeshore Road - Fulton, NY 13069 (please include an SASE with all reports) will conduct a DX Test between 0115-0200 ELT Monday morning February 10. The test will include voice and Morse code ID's and an unspecified selection of music. Our thanks to Mr. Peter Hunn, Owner. Arranged by J. D. Stephens for the IRCA.

WAAM-1600, 4230 Packard Road - Ann Arbor, MI 48108 will air a special DX test Monday morning, February 10, between 0300 and 0330 ELT. The test will include voice and Morse code ID's. Our thanks to Mr. Randy Carr N8DBQ, CE. Arranged by J. D. Stephens for the IRCA.

KONA-610, P. O. Box 2623 - Tri-Cities, WA 99301, will conduct a DX test from 0330 to 0400 ELT Monday morning February 10. The test will include Morse code ID's and an unspecified selection of music. Our thanks to Mr. Art Blum, CE, for this test. Arranged by J. D. Stephens for the IRCA.

KADA-1230, Box 609, Ada, OK 74820 will conduct a DX Test on Saturday morning February 15, 1992 from 0100 to 0130 EST. Programming will consist of march music and voice ID's. Our thanks to Mr. Roger R. Harris, General Manager, for this test. Arranged by the Courtesy Program Committee of the National Radio Club.

KGFV-1340, Box 666, Kearney, NE 68847 will conduct a DX test from 0200 to 0230 AM EST on Monday morning February 17, 1992. This test will contain Morse code ID's. Our thanks to Mr. Dirk Christensen, Operations Manager, for this test. Arranged by the Courtesy Program Committee of the National Radio Club.

WILD-1090, c/o WILD DX Test - Personal Database Applications - 2616 Meadow Ridge Rd. - Duluth, GA 30136-6037 will conduct a special DX test from 0200 to 0300 ELT Monday morning, February 17. The test will include tones, voice, and Morse code ID's. Our thanks to Mr. Michael J. Klein NV1L for conducting the test. Arranged by J. D. Stephens for the IRCA.

KUSD-690, Telecommunications Center,

Cherry & Dakota Streets, P.O. Box 5000 Vermillion, SD 57069-5000 will conduct a DX test on Monday Morning February 17, 1992 from 0300 to 0330 EST. Program will consist of test signals and programming. Our thanks to Mr. Larry Rohrer of South Dakota Public Radio for this test. Arranged by the Courtesy Program Committee of the National Radio Club.

KCRV-1370, P.O. Box 909, Caruthersville MO 63830 will conduct a rescheduled DX test on February 17, 1992 from 0615 to 0645 EST. This test will consist of tones, voice and Morse code ID's. NRC CPC caused a mix up on the time, and Mr. Cleat Stanfill, GM, has graciously consented to the second test. Arranged by the Courtesy Program Committee of the National Radio Club.

WJLK-1310, P. O. Box 880 - Asbury Park, NJ 07712 will run special test announcements and programming Monday morning, February 24. Our thanks to Mr. Philip Galasso K2PG, Staff Engineer, for conducting this test. Arranged by J. D. Stephens for the IRCA.

WTRP-620, P.O. Box 1203, LaGrange, GA 30240 will conduct a DX TEST on Monday morning February 24, 1992 from 0000 to 0030 EST. This test will consist of Southern Gospel music, and voice and Morse code ID's. Our thanks to Mr. Michael Thompson for this test. Arranged by the Courtesy Program Committee of the National Radio Club.

WTMA-1250, P. O. Box 30909 - Charleston, SC 29417 will conduct a special DX test from 0300 to 0330 ELT Monday morning, February 24. The test will include Morse code ID's. Our thanks to Mr. Bruce Roberts, CE. Arranged by J. D. Stephens for the IRCA.

WVNE-760, c/o WVNE DX Test - 52 Parkview Ave. - Warwick, RI 02888 will conduct a DX test Monday morning, February 24 from 0400-0800 ELT. The test will include Morse code and voice ID's with music on WVNE's 10 kW omnidirectional pattern. Our thanks to Lincoln W. Hubbard N1ATU, CE, for this test. Arranged by J. D. Stephens for the IRCA.

KBBS-1450, P.O. Box 153, Buffalo, WY 82834 will conduct a DX test from 0200 to 0400 AM EST on Sunday morning March 1, 1992. This test will contain music, voice and Morse Code ID's. Our thanks to Mr. Glenn Swiderski. Arranged by the Courtesy Program Committee of the National Radio Club.

AM Switch

Jerry Starr

c/o WHOT Radio

4040 Simon Road

Youngstown, OH 44512-1320

Status changes in AM stations, supplied by the FCC and listeners

CALL LETTER CHANGES

Old call:				New call:
610	WHYM	FL	Pensacola	WVTJ
980	WFHG	VA	Bristol	WXBQ
1020	KCFA	AK	Eagle River	KTWM*
1090	WMYD	WI	Rice Lake	WAQE
1460	KHTX	CA	Salinas	KRQC*
1520	WQWQ	MI	Muskegon Heights	WWEZ
1540	KLSY	WA	Bellevue	KBLV

*KCFA-1020 is a silent station, new calls may indicate a return to the air. KHTX-1460 was withdrawn as a call and not used, station remains KRQC.

APPLICATIONS / GRANTS FOR NEW STATIONS

None

APPLICATIONS / GRANTS TO EXISTING FACILITIES

None

OTHERNESS

- 730 **KUCL ID Boise**: station is SILENT pending sale
- 770 **WCAL MN Northfield**: station is SILENT and has surrendered its license opening the door for KUOM Minneapolis, which formerly shared this frequency, to become fulltime. I'll treasure my WCAL QSL more now!
- 820 **WSCR IL Chicago**: silent station is ON THE AIR
- 1260 **WDKN TN Dickson**: silent station is ON THE AIR relaying their FM, WQZQ, which had also been silent.
- 1340 **KSEK KS Pittsburg**: station went SILENT 1-1-92 but is expected to return once a sale to former owners of KKOW-960 is completed.
- 1380 **KKFH TX Beaumont**: station is SILENT
- 1470 **KZZK UT Tremonton**: station is SILENT (as is its FM)
- 1500 **KCLF LA New Roads**: silent station is ON THE AIR

THANKS: Arthur Robb, *M Street Journal*

73 and Good DX,

Jerry Starr & Buffalo K. Foonman

Jerry & BKF

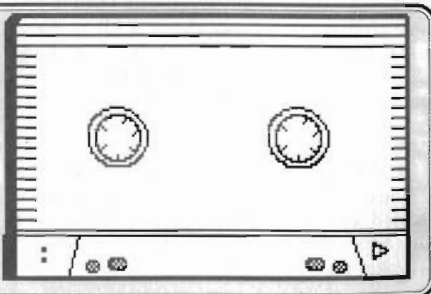


**CHICAGO'S
NEWEST SPORTS
TEAM**

January Hours 7:15am-5:45pm
February Hours 6:45am-6:15pm

C-90 Music Grade audio cassettes

Retail value ... \$4.00 each; now at a special price of \$22.00 per 25, or \$42.00 per 50. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.



Domestic DX Digest - East

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

MEDIUM WAVE RAMBLINGS

- Welcome aboard, **Bruce Winkelman** of Tulsa, Oklahoma. Absent from Medium Wave DXing for several years, Bruce makes his comeback this week in **DX News**. Let's hear more from the Sooner State . . . soon. And it's good to hear from **Conrad Durocher** again after many moons. Moved, have ya?
- **Neil Wolfish** comments on the question raised in a CKAN logging in Issue 14 about **Rod Stewart's** being a Canuck (the Canadian Content thing). Neil says the song is considered Canadian Content as it was written by a Canadian. But, now get this, Canadian **Bryan Adams'** big hit from the movie *Robin Hood* is not considered Canadian Content because the song was co-produced and written by a Brit. Neil says he forgot what the song was, but looking back, the DXer never said. Boy, what a stupid law!
- Forty cents worth of Canadian stamps, untouched by man or machine, arrived in this week's mail pouch. Thanks, Shawn. And . . . a very nice mint Finnish stamp worth 3,40 (sorry, I don't know what the currency is) from **Esa Hänninen** from Espoo. Esa's letter contained more Graveyard records, which will appear next week. Nice to hear from you again, Esa!
- FREE!! Well, almost. For any new member wishing to catch up on what happened in **DX News** from Nov 26, 1990 through September 23, 1991 (Vol 58, Issues 8 to 30), you can have my old magazines for \$3.00 (more if you live outside the U.S.), which will pay for 1st class postage. The first three bucks gets 'em. Others will be returned.
- Let's try to format the reports like you see them here. First divide them into time or special groupings. Then start with lower frequencies and work up in each group. Frequency first, then call, state/province, city, date, time & logging. This is how I input the data into the column, and if I have to go searching for something which should come next, it takes a lot longer to do. Also, brevity is a key word. Keep things in chronological order. Rambling on and on into minute details back and forth in time sequence makes your logging very difficult to read. Remember, you have only one report to edit. I have many. Actually, 22 this week! Thanks for your help.

SPECIAL

- 530 CIAO ON BRAMPTON - per CE, they expect Technical Certificate from DOC by the end of Jan '92 for operations on this freq (BG-VA)
- 790 WQXI GA ATLANTA - now carries ABC News on the hour; AP News on WSB only (EB-GA)
- 970 KSYL LA ALEXANDRIA - 1/1 0438 good with others with OLD, KZ-104 slogan, ad for **Chevron Supreme** gasoline, so now I FM (EB-GA)
- 1040 WHO IA DES MOINES - 1/1 0429 good over WMTX with ads for **Gold Bond Medicated Powder & Riopan Plus 2**, reminder that *The Radio Show with Tom Snyder* is an encore presentation, into **Tom Snyder** rerun, talk on the comics (the kind you see in your local newspaper), **has picked up ABC talkradio** (EB-GA)
- 1050 WRPT NH PETERBOROUGH - is indeed silent (see DDXD-W in Issue 13); I drove by the transmitter site and all I could hear was WEVD; the FM has changed CLs to WNHQ (Q-92) and moved studios to Milford, NH (BC-NH)
- 1220 KGIR MO CAPE GIRARDEAU - 12/30 0319 fair over WKNR/WJAX/others with *The Hits of the 40s and 50s for Southeast Missouri and Southwest Illinois on AM 1220 KGIR* slogan, into **SMN Stardust** (new format) (EB-GA)
- 1430 KQLL OK TULSA - 12/28 0250 good to fair over WFXF/CJCL with *Cool 106* jx into OLD; legal ID at 0300 I KQLL-FM 106.1 Owasso, OK; ax:KSKS (EB-GA)
- 1470 WPDM NY POTSDAM - now IDing as **99 Hits FM**, so may now be I their FM? (LK-ON)
- 1510 KMRF MO MARSHFIELD - 1/7 2141 with **Panthers** BKB and CL ID; apparently one of those "daytimers" who fires up nighttime authorization for sports and other occasional programs only? even with WLAC (FM-IL)

UNIDS AND UNID HELP

- 550 WKHO ?? - is my unID of 12/18, hrd on 1/15; no hint of QTH; none of my outdated references show this and scan of DXN back to Vol 58, #7 show no loggings of it (BG-VA)
- 720 UNID ?? - 1/12 0410 poor with REL pgm, mixing with CHTN and KDWN; no ID hrd ever before WGN sign-on at 0450 (MBDXP)
- 750 WNDZ IN PORTAGE - to JS-WI, this is only ethnic stn on frequency I know of (SA-MB)
- 970 WEBR NY BUFFALO - may be DE's unID in 1/6 DXN as they carry NPR/APR programs (MS-ON)
- 990 CBW MB WINNIPEG - NOT DS-TN's unID in FF as the facilities are in different buildings; only Canadian FF stations on 990 are CBC relays in Quebec at 40 watts (SA-MB)
- 1020 WPEO IL PEORIA - this is most likely LK-ON's unID if Morrystown, IL is the police department mentioned (SA-MB)
- 1030 KTWO WY CASPER - to JK-VA, this is most likely your unID if it was IRN programming (SA-MB)
- 1080 UNID ?? - 12/30 1800 sign-off, owner sounded like **Montgomery County Broadcasting**; KRLD/unID QRM; weak (FM-IL)
- 1160 UNID ?? - 1/17 0657-0713 with REL with a slight country flavor, female annrc; no IDs hrd, no apparent nx; also someone here, also with female annrc non-IDing *Amazing 1160*, same time; maybe both the same - most likely candidate seems needed WPVG (RJE-PA)
- 1180 UNID ?? - 1/14 2128 SS NOS mx, and *Informacion*, either CUBA or VOA, just barely making it under WHAM (BC-NH)
- 1340 see list - for MJ-MI, CKMG, CHAD, CKVT, CJAF, CFED & CJAN are the ones I know, so you pick 'em (SA-MB)
- 1360 WVSJ NJ WASHINGTON TWP - as everyone with a '92 NRC Log knows, this is my unID reported on the 1/6 issue; thanks to **Bob Gilfert** and **Chuck Reh** for phone calls to help with this; that's what I get for trying to save \$ by updating my '91 Log (MJ-MI)
- CJVL PQ - for DS-DE, this is definitely unID with FF POP mx (SA-MB)
- 1400 UNID ?? - 1/12 1657 fair-good with SS broadcast of NFC Championship Game (Detroit vs Washington) with many mentions of CBS Hispanic Network but no local ads or IDs noted (MS-ON)
- 1420 see list - for MJ-MI, CJMT & CKTL are the ones I know, so U pick (SA-MB)
- 1460 WIMX PA HARRISBURG - probably SA-MB's unID of 8/13 [Boy! There's an oldie but goodie! - Ed.] while they were still WCBM (BG-VA)
- 1490 WCZR WV CHARLESTON - is likely to be JK-VA's unID in the 1/6 issue, as they do pgm ROK mx (MJ-MI)
- UNID ?? - 1/4 1910 ad for *Muskegon* or phonetic equivalent and *97.5 FM and 1490 AM WBLJ ID* (MJ-MI)
- 1510 UNID ?? - 1/20 0000-0030 warbling tones all half-hour, no ID hrd; probably WJIC testing; WLAC very strong; also FF, probably CJRS (BF-IL)
- 1570 UNID ?? - 1/6 0059 good in CFOR null with OLD & *This is Newstalk for the Silver City, 1570 WKGB* (or close phonetically) *Charleston(?)* into SNN Nx; WNGA is about 50 miles from a Silver City in North Carolina and WONA is 10 miles from a Silver City in Mississippi, but a call there revealed no CL change; maybe I missed something in AM Switch? (EU-NY) [My Log reveals no WKGB, either. But you said you heard . . . for *the Silver City*, so maybe that's just a nickname, like *The Big Apple?* -Ed.]
- 1580 UNID ?? - 1/11 1738 someone here with *American Radio Network* syndie talk pgm; phone in at 800-487-TALK, female annrc; same net as WNZT, but they were long gone (RJE-PA)
- 1590 WJRO MD GLEN BURNIE - possibly MH-NC's unID of 12/23; they've been in here almost nightly for last week or so (BG-VA)
- 1600 KBBX UT CENTERVILLE - could be a possibility for RD-IA's Issue 13 unID, especially considering his comments on day power and loop directions; a *Focus on the Family* radio log lists KBBX, but not at 2135 ELT, though this could have changed; WCWC-WI is also listed with a 2130 airing, but Log sez they're currently AC/SPTS, which wouldn't fit with FoF's format; no other real possibilities on 1600, unless they picked up somebody recently (EU-NY)

DX AND EQUIPMENT TESTS

- 720 WMXY GA HOGANSVILLE - 1/13 0200-0230 nothing hrd; WGN all the way (JL-OH) . . . test not hrd; should have caught them if they were on, even u/WGN, especially if they were at U1 10000 as listed in the Log (EU-NY) . . . not hrd, probably not on (SF-TN)
- KUAI HI ELEELE - 1/12 0500-0700 no sign of this one, only CHTS [ya mean CHTN? - Ed.] with slogan *Oldies Coast-to-Coast on Classic Hits CHTS* [Did they really say CHTS? -Ed.] into Broadcast News; WGN back on at 0600 along with unID sign-on in the background; thought they promised to stay off (JL-OH) . . . slept thru test; un (JK-VA) . . . not hrd, but CHTN was in at strong levels, particularly earlier in the morning; I hope those who missed out on Hawaii were able to log PEI (MJ-MI) . . . not noted during scheduled DX Test; CHTN, RJR (Jamaica), and occasional WGN only stns noted on frequency (MH-NC) . . . NOT hrd, just possible Jamaica and two real weak SS Latins looping SE (ETH-MO)
- WGN IL CHICAGO - 1/12 0215-0300 strong with TTs of varying pitch (JL-OH)
- WGN IL CHICAGO - 1/12 0400-0500 almost a solid hour of tones, no sign of KUAI later on; guess anyone that need PEI didn't walk away empty handed, though (BG-VA)
- 820 WIQT NY HORSEHEADS - 12/23 0100-0115 weak sweep tones and CIDs hrd until 0110, when they got much stronger (maybe night rig earlier?); a couple of nice jingles at 0113; mostly under WBAP/CHAM (SF-TN)
- 920 WKVA PA LEWISTOWN - 1/4 0000-0030 fair to poor with good CID & weak, broken VIDs (EU-NY)
- WKVA PA LEWISTOWN - 1/4 0012 weak code, but nice clear VID at 0029 (MJ-MI)
- 1150 WDEL DE WILMINGTON - 12/30 0330-0400 no show, only WCUE/WIMA, un; would liked to have seen WRUN (JK-VA)
- 1270 WJJC GA COMMERCE - 1/20 0330-0400 not as I set my alarm wrong (bad ELT to GMT conversion (BF-IL)
- 1320 KSIV MO CLAYTON - 1/6 0100-at least 0145 noted totally off (ETH-MO)
- KXOL OK CLINTON - 1/13 0130-0200 very faint CIDs hrd at 0131 and 0157; a host of satellite QRM, but none of it ID-able (SF-TN)
- KXOL OK CLINTON - 1/13 test not heard (EU-NY) . . . nothing hrd except CJMR/WJAS (MJ-MI)
- WCVR VT RANDOLPH - 12/30 0000-0500 no show, only powerful WJAS, which sounded like 50kw! (JK-VA)
- 1360 WGEE WI GREEN BAY - 12/2 0239 and 0246 with IDs after C&W songs; dominant WSAI made VIDs difficult, although the CIDs were often atop; WI #30 and 1360 #40 (SF-TN)
- 1410 WDOV DE DOVER - 12/16 0200-0405 fair with 30 seconds of TT at :04 each hour; at 0204:30 the TT was followed by weak CIDs, which weren't noted the other two hours; DE #5 (SF-TN)
- WDOV DE DOVER - 12/16 0200-0406 no show, only KQV/WELM, with KQV CNN News holding down the channel (JK-VA)
- 1570 KMYZ OK PRYOR - 1/6 0300 surfaced up over the mess with *Yankee Doodle* and code ID (CD-TN)
- KMYZ OK PRYOR - 1/6 0101-0120 fair on peaks with march mx, CIDs and taped VIDs (SF-TN)
- KMYZ OK PRYOR - 1/6 0110 fair with slow code lds, over possibly CHLO (ETH-MO)
- KMYZ OK PRYOR - 1/6 test not heard (EU-NY)

TIS AND OTHER STUFF

- 1610 KPC731 PA FORT NECESSITY - is the location of this (reference *Rel-ON*'s in Issue 14); though only about 22 miles away, I haven't hrd this due to Valley Forge TIS at miles dominates! (RJE-PA)
- 1820 WYNX GA SMYRNA - 1/3 0125 image of 1550 with ContChr, imaging from 1850 to 1959; 1550 just as strong (EB-GA)

WALKING THE GANGPLANK

- 1620 WRNR NY NEW YORK - 1/4 1942-2005 fair to good with 70s ROK; DJ gave phone # as 914-434-2587; mentioned listeners who called; IDs (RR-ON) Niel Wolfish also noted this in his letter, but didn't give details -Ed.]

MIDNIGHT TO 0800 HOURS ELT

- 530 CIAO ON BRAMPTON - 1/4 0203 good with end of Standard Broadcast News, ID and into reggae (SF-TN)
- 570 WVMII MS BILOXI - 1/14 0734 57-WVMII, your information station, sports show promo into Business News Network; KLIF nulled (BW-OK) [This is correct call - Ed.]
- WKBN OH YOUNGSTOWN - 1/12 0630 good with *Radio 57* and WKBN IDs into Tx [C'mon, this isn't a SW column! What is "Tx"? Talk? Traffic? Please limit your abbreviations to those shown at the end of this column - Ed.] (MBDXP)
- 580 CFRA ON OTTAWA - 12/28 0008-0014 580 CFRA ID, oldies weekend, songs by *The Tymes* and *The Tremeloes* (RH-NJ)
- 610 CKTB ON ST CATHERINES - 1/12 0713 with *It's 7:15 on CKTB* after a discussion of a couple in the news with 633 cats who need the money! then a light ROK song; in/out, never clear with tons of QRM (LK-ON)
- 620 WHEN NY SYRACUSE - 1/6 0308 poor under unID SS with mx by *Peter & Gordon* and mention of *WHEN All Night Gold Rush* (EU-NY)
- 640 WHLO OH AKRON - 1/6 0329-0340 good with *Compassion Child Sponsorship* ad, ContChr mx, mention of *AM Stereo WHLO*, wx and TC at 0338 into ABC Net Nx (EU-NY)
- 690 KGGF KS COFFEYVILLE - logged during morning commute 1/13 0705-0720 with KS state nx, local ads, IDs including a couple which sounded like KGDM (FM? TV promo?); fair to poor until 0720 when WPTF-680 splash wiped out the frequency (MH-NC)
- KOAG NE TERRYTOWN - 1/12 0738 fair with promo for the *KOAG Solid Gold Music Machine* into oldies (MBDXP)
- 710 CKVM PQ VILLE MARIE - local wx and ads in FF as well as sports scores; over/under EE phone-in show; severe fade (LK-ON)
- 720 KDWN NV LAS VEGAS - 1/12 0518 good with *You're listening to the Talk of the West, KDWN*; during WGN SP (MBDXP)
- WWII PA SHIREMANSTOWN - 12/14 0614 ID WWII at 0625; not listed as a nighttime station with PSRA; ad for *St. Stephen's Lutheran Church* with a concert, local Pennsylvania HKY and BKB scores, local wx followed by soft ROK and *Les Misérables* mx; over/under WGN/CHTN in their null, faint but clear (LK-ON)
- WWII PA SHIREMANSTOWN - 1/13 0600 xnt in WGN null with sign-on mentioning *servng 16 Pennsylvania counties*, into possible REL (ETH-MO)
- CHTN PI CHARLOTTETOWN - 1/12 0414-0518 while checking for KUAI test; canned Oldies (60s) pgm, various IDs/promos after each record with main one being *Classic Hits Coast to Coast*, to live pgm at 0500; good to fair with RJR (Jamaica) QRM; province #7 (MH-NC)
- CHTN PI CHARLOTTETOWN - 1/12 0455 good with *Oldies Coast to Coast*, Canadian nx, local anncts, CHTN ID, oldies; WGN SP; new for us (MBDXP)
- 730 WLIL TN LENOIR CITY - 1/13 0600 fair in sign-on jumble, mention *WLIL FM* at sign-on (ETH-MO)
- CKAC PQ MONTREAL - 12/30 0139 in very loud, almost like a local, way over XEX, with FF programming (JK-VA)
- 760 WURL AL MOODY - 1/3 0755 good with WSB splash with Southern GOS (EB-GA)
- 800 WSHO LA NEW ORLEANS - 1/7 0711 *Join us for the special edition of the WSHO Church Bulletin Board*, strong, atop frequency (FM-IL)
- WTMR NJ CAMDEN - 1/12 in the clear at 0535-0601 with REL pgm ("live"), GOS mx, promos as *Gospel 800* and *Where The Master Reigns*, very slight QRM from unID co-freq; no sign of CKLW (SP?); moderate QRM at 0600 with WJAT sign-on (MH-NC)

840 WHGH GA THOMASVILLE - 1/3 0750 good with WHAS with UC, talk, local ad; faded to WHAS at 0754 (EB-GA)

850 WRMR OH CLEVELAND - 12/28 0015-0022 remix of *Unforgettable* by Nat and Natalie Cole, *Till Then* by The Mills Brothers; phone # 578-1185 for requests (RH-NJ)

880 WMEQ WI MENOMONIE - 1/4 0735 fair, over/under KGHT OC/others, Wisconsin news in local newscast; . . . down in Wisconsin Rapids (ETH-MO) [Note corrected CLs here - Ed.]

890 KVOZ TX LAREDO - 1/1 0317 good in WLS null with CHR/OLD, ads for Laredo businesses, *Y-95* slogan (EB-GA)

910 CHRL PQ ROBERVAL - 12/28 0058 FF talk, others (RH-NJ)

920 WAFS GA ATLANTA - 1/8 0130 Moody Bible Network ID and ID with Atlanta mailing address given (MJ-MI)

930 WMGR GA BAINBRIDGE - 1/3 0748 good over WJBY with OLD, *Goodtime Oldies*, WMGR slogan, mention of *Birthday and Anniversary Club* (EB-GA)

WSLI MS JACKSON - 1/4 0705 *News every hour on 930, WSLI, Jackson* after news and local ads followed by talk; MS logging #1; weak with fade and over/under WBEN/others (LK-ON)

940 WFAW WI FORT ATKINSON - 1/4 0730 fair in WMIX null with two call ID in promo (ETH-MO)

960 WELI CT NEW HAVEN - 1/7 0329 a nice surprise through WFIR with invitation to advertise on WELI and legal ID with mention of serving Southern Connecticut (MJ-MI)

WPRT KY PRESTONBURG - 1/13 0445 fair in KZIM null with C&W mx, *Floyd County's best music, WPR*; good for listed 25 watts (ETH-MO)

980 WONE OH DAYTON - 1/7 0500 last one out of an on-the-hour pileup with . . . on 980 WONE Dayton-Springfield (EU-NY)

1000 WYBT FL BLOUNTSTOWN - 1/8 0710 full legal ID as *Blountstown-Bristol* into sports on Florida Radio Network; moderate over WLUP; another example of why SRS is probably the most productive time to DX (FM-IL)

1040 CGZZ PQ ST. JEAN SUR RICHELIEU - 1/12 0610 fair with FF Tx into FF lite ROK; new for us (MBDXP)

1070 WAPI AL BIRMINGHAM - 1/1 0406 good to fair with WAPI/jx and NOS (EB-GA)

WDIA TN MEMPHIS - 1/1 0407 poked through mess with CLs and black GOS (EB-GA)

1080 WXLN KY LOUISVILLE - 1/3 0742 good with KRLD with REL before WFTD cut its carrier on at 0743 (EB-GA)

WXLN KY LOUISVILLE - 1/7 0030-0100 in too loud for 1 kw over WTIC/KRLD with UC REL mx, mentions of new format, and FM 99.7; *It's new, it's positive, 99.7 FM and AM 1080, WXLN, eminence rules! FFC rules also. Wonder what the fine is for 10kw due to the new fee schedule?* (JK-VA)

KRLD TX DALLAS - 1/3 0743 fair under WFTD OC with local nx before WFTD sign-on at 0745 (EB-GA)

1110 KFAB NE OMAHA - 1/3 0730 good with good \$ over WBT with news headlines, wx forecast for Omaha, Lincoln and Council Bluffs (mention of . . . one-eighth of a mile visibility, clearing with a high of 50") into local nx (EB-GA)

1150 WDEL DE WILMINGTON - 1/7 0339 MoYL mx and *This is the Original Hits Station* and *We are WLWV* slogans (MJ-MI)

1160 WJJD IL CHICAGO - 12/30 0303 good with WAMB/KVAR with ad for the Chicago Transit Authority (EB-GA)

WKCM KY HAWESVILLE - 12/30 0304 poked through WJJD/WAMB/KVAR/KSL with CLs and OLD (EB-GA)

WOBM NJ LAKEWOOD - 12/30 0004 NJ Lottery #s by female, other NJ news items into satellite NOS; poor under WJJD; called stn to confirm and they were totally blown away; tough state, NJ #2 here (FM-IL)

WMVI NY CLIFTON HEIGHTS - 1/15 0639-0640 hrd unexpectedly w/ID slogan followed by station promo (RJE-PA)

WAMB TN DONELSON - 12/30 0304 good with WJJD/KVAR/WKCM/KSL with EZL, *WAMB AM/FM* slogan into more EZL, has 75-watt FM translator on 106.7 at night (EB-GA)

1160 KSL UT SALT LAKE CITY - 12/30 0307 poked through WJJD/WAMB/KVAR/WKCM with *Best of King* (EB-GA)

1180 WHJM TN KNOXVILLE - 1/3 0737 good over WHAM/Radio Taifo with talk about auto racing on *NASCAR World of Racing*, ad for an auto parts store in Nashville, CLs and EST TC at 0740, DJ saying *...it's coffee-drinking time in Tennessee* (and actually sipping a cup on the air!), local as, EST TC at 0742 into C&W mx (EB-GA)

1220 WFWL TN CAMDEN - 12/30 0315 good with WKNR/WJAX/KGIR with C&W mx, CLs at 0319 (EB-GA)

1230 WSBB FL NEW SMYRNA BEACH - 12/30 0322 surfaced over jumble with SMN Stardust | KGIR-1220, *AM 1230 WSBB* slogan (EB-GA)

WENY NY ELMIRA - 12/14 0701 tentative ID as I missed the CLs at :00; NBC News was followed by a local New York story about a convicted state assemblyman and other local New York news; this is only NBC outlet in New York listed in the Log; QRM and fade (LK-ON)

1240 WGGA GA GAINESVILLE - 12/30 0340 fair with mess with ad for *National Business Employment Weekly*, Social Security PSA into NOS (EB-GA)

1260 KTTS MO SPRINGFIELD - 1/1 0349 good to fair with WIBV with CLs by female, C&W mx (EB-GA)

KDFX TX DIBOLL - 1/8 0025 *K-Fax* pseudo-ID into mx; presumed this from '92 Log data, into quick fade; listed at 109 watts (BW-OK)

WCHV VA CHARLOTTESVILLE - 1/12 0735 CL ID after ad for *Victor Borgé* tape followed by song *American Woman*, sounded like a canned station/show; over/under WNDR talk with fade and lots of QRM (LK-ON)

1270 CJTN ON TRENTON - 12/14 0732 with Canadian News in EE with Ontario and local nx, then C&W mx; this is only Canadian EE stn in Log on 1270 and the format fits; over/under WTSN with heavy QRM (LK-ON)

1300 WKXM AL WINFIELD - 12/30 0355 good, drowning out WLXG/WKXI with C&W mx, *You've found the best place for country, WKXM Winfield* legal ID at 0400 (EB-GA)

1320 WCVG KY COVINGTON - 1/6 0130 poor atop mess with WCVG Cincinnati's *Newsradio* ID; KSIV off (ETH-MO)

WJAS PA PITTSBURGH - 1/13 0150 atop briefly with quick *AM 1320 WJAS* into mx by The Mills Brothers (EU-NY)

CKEC NS NEW GLASGOW - 12/28 0436 1320 CKEC and ads for a furniture store in New Glasgow after folk and C&W mx; CIWW-1310 slop (LK-ON)

CKEC NS NEW GLASGOW - 1/13 0100 poor in a mess with CL ID and wx (BG-VA)

CJMR ON MISSISSAUGA - 12/15 0050 *Voice of the City* [sic - Ed.] ID; POP mx (RH-NJ)

1340 WAGN MI MENOMINEE - 1/12 0455 fair with wx & WAGN ID, in a mess; new for us (MBDXP)

WMHD NJ ATLANTIC CITY - 1/6 0105 poor to fair with NBC News, promo for *Dateline Atlantic City* with *Sonny Schwartz* by Eddie Fisher, David Copperfield, and Steve Langerfield into ID (CV-FL)

1360 WKAT FL MIAMI - 1/1 0245 fading under superpest (and I mean SUPERPEST) WSAI with FF talk; thought this was CJVL! (EB-GA)

1370 WFEA NH MANCHESTER - 1/9 0059 fair under local WALK with Talknet, ad cluster & *We're here all night, every night. This is Talknet on AM 1370 WFEA, Manchester* . . . (?) into CBS Nx (EU-NY)

WALK NY PATCHOGUE - 1/5 0155 played back tape of WFEA and hrd 2 CL IDs (BG-VA)

WXXI NY ROCHESTER - 1/6 0808 newscast with many western NY items including lengthy commentary about Rochester school board elections; strong! regular (and closer) WSPD faded due to sunrise; a surprise (FM-IL)

1390 WEOK NY POUGHKEEPSIE - 12/14 0754 *WEOK, your memory station, WEOK* after song *Who Knows Where or When*, over/under CHOO with fade (LK-ON)

WFBL NY SYRACUSE - 1/14 0659 good with Tommy Dorsey BBD, mentions of upcoming Command Traffic Report. wx with Channel 3's *Bob (?)*, legal ID into CNN Nx (EU-NY)

1390 CHOO ON AJAX - 12/14 0754 with *Southern Ontario weather*, C&W song *That's Why I'm Walking* by Patricia Conroy; only Ontario strn on 1390 in Log with this format; over/under WEOK with fade (LK-ON)

1400 WAVD AL DECATUR - 12/29 0339 good to poor over jumble with AM 1400 WAVD slogan, OLD format, local ads/PSAs; last hrd in St Louis in 1984 as WMSL (EB-GA)

1400 WAZX GA ALPHARETTA - 12/28 0321 fair to poor with jumble with SS AC, *Radio Exitos* slogan around 0330 (EB-GA)

WBAT IN MARION - 1/5 0105 faded in with wx, two call IDs (ETH-MO)

1410 WHLN KY HARLAN - 1/4 0650 atop with wx, *42° in Harlan . . .* (ETH-MO)

1420 WACK NY NEWARK - 12/30 0215 *You're with your classics hits leader, 1420, WACK*; good with light QRM; also good to hear ROK on an "independent AM" nowadays (FM-IL)

WHK OH CLEVELAND - 1/12 0628 with *You're listening to 1420, WHK, Cleveland, all news* after a PSA for Ohio Wildlife Protection on the *Ohio Outdoor Notebook* followed by a taped interview on drugs; fairly strong and clear at times but also QRM; format change? (LK-ON)

1430 WVAM MI INKSTER - 12/28 0400 tentative ID *This is W?AM*, based on the fact that the only other it could be is WXAM, which is a weak Kentucky station; no CJLC in sight, a real soup of stations on frequency (LK-ON)

1440 WEEI MA BOSTON - 12/28 0553 *Sports Radio, WEEI*, ad for a Boston electronics store, but NRC Log has it on 590 [Vol 59, Issue 30 DX News, AM Switch, Otherness item says this relays WEEI - Ed.]; clear (LK-ON)

WMKM MI INKSTER - 12/28 0400 with *You're number one with WMKM*, later, *Gospel 1400* and *WMKM, Inkster-Detroit*, local ads for Saturday church events; fairly clear with fade (LK-ON)

WSGO NY OSWEGO - 1/9 with *It's 7:30 on WSGO and time for Mutual News* just after (I believe the song is *Cathy's Clown*, Laurence - Ed.) by the *Everly Brothers*; after MBS News, school closures due to ice storm, then New York news; lots of others and fade (LK-ON)

WNPV PA LANSDALE - 1/10 0754 with local news at 0755 sponsored by Dr. Jerry Schaffer, then *This is your ?? station, WNPV, Lansdale* at :00 followed by *This is news from Radio Pennsylvania*; tons of QRM, but very strong and clear at times with some fade (LK-ON)

1450 WLYV IN FORT WAYNE - 1/7 0345 *Music to remember by, 1450 WLYV* (MJ-MI)

WJER OH DOVER - 1/9 0059 ID as *WJER and WJER-FM* over the hour (MJ-MI)

WDAD PA INDIANA - 1/7 0405 end of nx and quick legal ID (MJ-MI)

WWSC NY GLENS FALLS - 12/28 0356 with PSA from *The Tri-County Fire Marshall and WWSC* about inspecting and cleaning your chimney during local nx; tons of QRM and clutter (LK-ON)

1470 WRBD FL POMPANO BEACH - 1/1 0335 good with WMBD with SMN Touch, CLs, ads for *The American Will Kit* and *The Federal Jobs Digest* (EB-GA)

1490 WICY NY MALONE - 1/9 0742 with *WICY calendar for Malone and vicinity* with local and church events followed by local ads; extensive report for both downhill and cross-country skiing; clear and fairly strong in CHVR2 null (LK-ON)

WCZR WV CHARLESTON - 1/4 0116 assumed to be the one with *Charleston's 1490 Z-rock* (MJ-MI)

1510 WAHT PA ANNVILLE-CLEONA - with song *Suspicion into Good morning, it's time for WAHT news, it's 32 degrees* by female; nx included mention of *Pine Grove* as well as Pennsylvania stories; faint with fade and QRM (LK-ON)

1540 CHIN ON TORONTO - 1/12 0108 CL ID under KXEL & unID (ZNS?) (BG-VA)

1550 WWBH FL NEW SMYRNA BEACH - 1/11 0300 EZL mx and *Easy listening 1550 WWBH* ID (MJ-MI)

1580 WWOF NC CAMP LEJEUNE - 1/1 0720-0730 *Coastal Carolina's Christian Connection*, REL mx, ads for Florida and Georgia; WPGC in background at 0730 (RH-NJ)

1590 KLLL TX LUBBOCK - 1/10 0657 *K-Triple-L* ID, full AM-FM ID at 0658 & into nx; haven't hrd such nice, legal IDs in a while! (BW-OK)

1600 WMCR NY ONEIDA - 1/10 0715 with local movie listings and events followed by *1600 WMCR*, clear and fairly strong with some fade on 265 watt PSRA (LK-ON*)

0800 TO 1600 HOURS ELT

610 KILT TX HOUSTON - 1/10 0849 in WDAF null with talk about *Astro dome*; nice ID in traffic report at 0850, *FM-100* promo, then nx of river flooding; first log under WDAF in years as well (BW-OK)

610 CHNC PQ NEW CARLISLE - 1/1 1532 with local wx and ads in FF during a FF phone-in show; over/under CFLO null and over/under pest CJSB splash (LK-ON*)

870 WQRX AL VALLEY HEAD - 1/2 0810 good over/under WWL with local nx promo, legal ID (ETH-MO)

980 CHEX ON PETERBOROUGH - 1/8 1418 with local wx and ad for a special on *Norman Bethune* on CHEX-TV, *It's 2:20 on 980, CHEX*, followed by a light rock song; in CHVR2 null (LK-ON)

1020 WRIX SC HOMELAND PARK - 1/3 0800 fair under WCIL; caught partial *WRI...* *Carolina* legal ID (ETH-MO)

1060 CJRP PQ QUEBEC CITY - 1/7 1557 fair with FF talk, local ads; mixing with KYW (MS-ON)

1070 WAPI AL BIRMINGHAM - 1/3 0810 loud, way atop with wx, SID (ETH-MO)

1110 WUHN MA PITTSFIELD - 1/8 1455 with oldies, then *Pure gold for New York's Capital District, you're locked in to 1110, WUHN*, more oldies; clear & steady (LK-ON)

1120 WADN MA CONCORD - 1/8 1505 with *Walden Databook* with ads for activities in Medway, Boston and Newton, as well as anncs for BBC and CBC newscasts later, mx by *The Beatles* and *Emmylou Harris*; faint but clear; Log lists this a "new", too bad it's not a local as sounds like a great station (LK-ON)

1190 WANN MD ANNAPOLIS - 1/7 1559 with ID *AM stereo 1190 WANN*, Baltimore-Annapolis wx (MS-ON)

1220 WLPO IL LA SALLE - 1/13 0805 good, atop with local nx, mentions of LaSalle, Ottawa, ID; IL #63 (ETH-MO)

1240 KWOS MO JEFFERSON CITY - 1/5 1300 fair at 99 miles in WTAX/KFMO null with CBS Nx/Talk pgm, local ad, legal ID (ETH-MO)

1340 KXEO MO MEXICO - 1/5 1220 fair at 91 miles with other in WSOY null, ID, ROK OLD (ETH-MO)

1420 WASR NH WOLFEBORO - 1/8 1539 with *The weather on WASR is . . .* in the middle of a string of oldies including *Splish Splash*, over/under WWSR/others (LK-ON)

1430 WNAV MD ANNAPOLIS - 1/10 0811 *1430 WNAV at 8:13 with the Theme from Hill Street Blues* followed by oldie instrumental; QRM, fade, but clear at times (LK-ON)

1440 WHIS WV BLUEFIELD - 1/10 0804 with local nx, ending with *I'm Anita ?? for WHIS News*, followed by stock market and biznews; also *Business News Network* with *Lyle Rockefeller* reporting; very strong at times with some fade and QRM (LK-ON)

1450 WFRG NY ROME - 1/10 0828 with *WFRG newstime is 8:30*, then local news about taxes and budgets followed by *Paul Harvey*; weak but clear at times in QRM slop (LK-ON)

1460 WKAM IN GOSHEN - 1/10 0838 with *The weather at :45 on WKAM* and *If you live in the Goshen area, you don't have to drive far for . . .* ads for a hardware store and a Super Sunday contest; CHR mx; lots of QRM (LK-ON)

WEMR PA TUNKHANNOCK - 1/10 0833 with many local sports scores, news of the world's largest squash contest, C&W mx and *This is ????* with *WEMR News* at 0900; clear at times but tons of QRM (LK-ON)

1550 WARD PA PITTSSTON - 1/10 0930 city mention in an ad for a funeral home with a religious song intro, voices were very fuzzy; interview show included the funeral home ad with obituaries; aside from fuzzy vocals, the reception was clear (LK-ON)

1600 TO 2400 HOURS ELT

550 WDEV VT WATERBURY - 12/15 1649 local ads for Montpelier, a Morrystown gas station, and Gallagher Lumber (LK-ON)

600 WSJS NC WINSTON-SALEM - 1/2 2212 Hornets BKB, ad for car dealership in Winston-Salem and weak ID; poor with Cuban. (MJ-MI)

610 KFRC CA SAN FRANCISCO - 1/11 2055 poor with NOS/BBD mx; didn't get full ID, other than local nx; new for us (MBDXP)

660 WBLX AL FAIRHOPE - 1/13 1715 good, alone with IDs, UC mx, IDs, Mobile ads (ETH-MO)

WBLX AL FAIRHOPE - 1/13 1813 poor with UC mx and BLX ID (MJ-MI)

680 KNBR CA SAN FRANCISCO - 1/8 2349 ID surfaced in TC, into sports call-in show; quite strong by 2355 (BW-OK) [This is correct city - Ed.]

690 WVOK AL BIRMINGHAM - 1/4 2340-2400 good with Jim Bohannon Show, over CBF; ads, ID at :00 as WVOK, 50 kw, Birmingham (RR-ON)

WVOK AL BIRMINGHAM - 1/12 1723 Roy Orbison tune, ID, promo for a Super Bowl contest; fair, nearly impossible at home due to CFTR-680 (NJW-ON)

WVOK AL BIRMINGHAM - noted during evening commute 1/14 1650-1717 with OLD, local ad, frequent IDs and into Sports Talk 690 at 1700; faded by 1717; QRM from WPDQ (MH-NC)

700 KFAM UT NORTH SALT LAKE CITY - 1/11 1759 strong, dominating the frequency on the west wire with You are listening to KFAM, North Salt Lake City, TC and nx by female; new for us (MBDXP)

720 WRZN FL HERNANDO - 12/29 1727 good with Sunshine 720, WRZN twist Stardust NOS tunes; 720 #10 (SF-TN)

WMXY GA HOGANSVILLE - 1/13 1745 good in WGN null with UC mx, IDs by female; Gee, and they DX Test tonight (ETH-MO)

730 WDKT AL MADISON - 1/13 1755-1759 with UC format, call-ins by young teens, DJ answered phone with Power-D-73, all with deep-South accents, and partial ID, then gone (RJE-PA)

750 WBMD MD BALTIMORE - 12/15 1633 You're listening to WBMD, Baltimore into SS or PP talk; in/out in the middle of YVKS Caracas and possibly JBC Radio One Jamaica; WBMD is listed as only 730 watts, so this was a real "find" as the frequency is a mess usually, even when WSB is missing as it was today (LK-ON)

770 WYRV VA CEDAR BLUFF - 1/13 1658 fair with instrumental mx in WABC null, ID @ 1700 WYRV, the station with the sound difference (MS-ON)

810 KCMO MO KANSAS CITY - 1/9 1623 fair in WGY null with local TV promo, CL ID by man, talk (MS-ON)

KCHG TX SOMERSET - 1/6 1935 moderate, no QRM, lotsa SS commentary and ads, gave many 7-digit phone #s, 6:36 TC, many San Antonio mentions; does this really cover San Antonio at night? (FM-IL)

820 CHAM ON HAMILTON - 1/15 2317 good with C&W mx and DJ with 820 Cham slogan (CV-FL)

850 CKVL PQ VERDUN - 1/2 1915 loud, over/under KOA with FF POP mx, ID and SID in break (ETH-MO)

880 KGHT AR SHERIDAN - 1/12 1727 female introduced Tanya Tucker song and mentioned calls and 50,000 watts; lost at 1731 during ad for furniture store; poor (NJW-ON)

WMEQ WI MENOMONIE - 1/9 1658 good with country song The Whiskey Ain't Working Anymore, ID News and Information 24 hours a day on WMEQ Menomonie into ABC News. (MS-ON)

920 WIRD NY LAKE PLACID - 1/7 1718-1730 good between periods of North Country College HKY (Saints vs Vikings) with announcers Bob Elleck(?) and Rick Anthony; many ments of Adirondack Radio (possibly a net?) (EU-NY)

WMNI OH COLUMBUS - 1/7 1959 good with C&W mx, ID at 2000 One of America's Great Country Music Stations: AM 920 WMNI then into MBS News (MS-ON)

WTTM NJ TRENTON - 1/7 1800 good with ID: We are Info-Talk 920 WTTM Trenton into news (MS-ON)

930 WFMD MD FREDERICK - 1/6 1712 CBS entertainment nx anwx for Frederick

940 WKGM VA SMITHVILLE - 1/9 1625 fair with World Missionary Evangelism until 1630; Please mention that you heard the program on KGM, also ID as 94 KGM (MS-ON)

970 KFEL CO PUEBLO - 1/11 1740 good with C&W mx, lady anncr with TC and KFEL ID; new for us (MBDXP)

WATH OH ATHENS - 1/6 1706 wx for southeast Ohio and ID into oldie (MJ-MI)

WEBR NY BUFFALO - 12/29 2205 fair with You're listening to Jazz in the Nighttime with Joe Fox on WEBR, Buffalo, a total shock, as I never even hrd it in Toledo, Ohio and their U3 pattern throws nothing this way! (FM-IL)

WHA WI MADISON - 1/6 1701 wx and Wisconsin Public Radio anncr into NPR Nx (MJ-MI)

990 WRMM NY ROCHESTER - 1/14 2215 hrd with travel wx for NY, PA and New England; ID . . . the Northeast Satellite exclusively on . . . WRMM, briefly over WZZD/CKIS (BC-NH)

WEEB NC SOUTHERN PINES - 1/7 1857 fair with women's BKB, Lady Patriots vs Lady Vikings, mentions of Charlotte, ad for a TV & appliance store (GE dealer) in Southern Pines at 1902; must be more than listed 20 watts at this time (MS-ON)

WZZD PA PHILADELPHIA - 1/14 2202 fair with ID as Contemporary Christian Radio, under CKIS (BC-NH)

1010 KBIS AR LITTLE ROCK - 1/5 1810 noted using these calls [These are not the CLs? - Ed.]; loud, local-like after KXEN with end of BKB, several IDs (ETH-MO)

1030 WNTL MD INDIAN HEAD - 1/7 1600 good with AMA network ID and local ID as WNTL, Washington's International Sound and legal ID mentioning WNTL Indian Head-Washington (MS-ON)

1040 CFZZ PQ ST JEAN-SUR-RICHELIEU - 12/22 1825 FF songs; good signal (RH-NJ)

1070 CFAV BC VICTORIA - 1/11 2007 poor with You Send Me by Sam Cooke, C-Fax ID; under KMOM reading 3 Little Pigs [Are you serious!?? - Ed.]; new for us and station #1400 for me (MBDXP)

1080 WJOE FL PORT ST JOE - 12/29 1745 sign-off after wx; gave Panama City mail address; good, no QRM (FM-IL)

WOAP MI OWOSSO - 1/6 1824 saying On AM 1080, WOAP, at tune-in into Oak Ridge Boys C&W (FM-IL)

1090 KKYN TX PLAINVIEW - 1/11 1925 good with KKYN ID, C&W mx; over/under KAAY; new for us (MBDXP)

1110 CKTY ON SARNIA - 1/14 21239 good with Canadian Red Cross PSA, cancellations due to snowstorm, C&W mx; over WBT (BC-NH)

1130 WSJP KY MURRAY - 1/7 1752 fair in WNEW null with ID WSJP, the local news leader. Stay right here on AM 1130 into C&W mx (MS-ON)

KFAN MN MINNEAPOLIS - 1/9 1608 fair at this early (for them) hour with talk on Minnesota Gophers BKB, briefly over WCXI/WNEW (MS-ON)

1200 WCHB MI TAYLOR - 1/7 1640-1702 good with great R&B/soul hits such as Too Much Heaven Last Night by Little Milton, Respect by Aretha Franklin and It Ain't What You Do, It's How You Do It by Clarence Carter, IDs as AM 1200 WCHB, great stuff, I wish we had a station like this in Toronto (MS-ON)

1240 KWAK AR STUTTGART - 1/5 1800 fair with Arkansas Nat News, local nx, sports, legal ID; this really gets out, also logged twice in Chicago (ETH-MO)

1260 WRIE PA ERIE - 1/6 1722 with contest promo, mailing address; fair with heavy WIBV/WNDE QRM (FM-IL)

1270 WCBC MD CUMBERLAND - 1/7 1706 promo for NFL Playoffs, nx and wx from WCBC Newsroom and suggestion to Remember the time you spend listening to WCBC today, especially you with the Arbitron diary, hi! (MJ-MI)

WLBR PA LEBANON - 1/7 1629 wx & nx from WLBR Newsroom and ad for Lebanon; WXYT was uncharacteristically nullable for about 45 minutes (MJ-MI)

1280 WMCP TN COLUMBIA - 1/5 1730 fair with wx, mention temperature in Columbia (ETH-MO)

1290 WCBL KY BENTON - 1/7 1734 ad for Benton and WCBL nx (MJ-MI)

1300 WKXM AL WINFIELD - 1/5 1725 strong in KWCK null, C&W mx, call ID (ETH-MO)

- 14 KBRL NE MC COOK - 1/4 1825 surfacing with dedication, call ID before song (ETH-MO)
- 1310 WYND FL DELAND - 12/29 1930 end of REL show, *Pastor White is heard twice weekly on WYND*, TC; good in deep Au, some WDDO QRM; pleasant surprise! (FM-IL)
- WIBA WI MADISON - 1/13 1652 poor with community anncts (MS-ON)
- 1320 WQIK FL JACKSONVILLE - 1/15 2330 poor to fair with CL ID and mx of FM 9? (BG-VA) [What does "music of FM9?" mean? - Ed.]
- WJAS PA PITTSBURGH - 1/12 2030 barely over the mess with *We're AM 1320 WJAS* ID (BG-VA)
- 1350 KYXZ AR CABOT - 1/5 1755 fair with WSMB with call ID into lite mx (ETH-MO)
- 1370 WKMC PA ROARING SPRING - 1/9 1706 good with MOR/NOS, ID *Every songs sounds as good as when you first heard it on WKMC* (MS-ON)
- 1420 WBSM MA NEW BEDFORD - 1/8 1603 *Hello, this is Connie ??? with WBSM News* just after the nat'l news; she then read local and state news; strong in a real soup of stations (LK-ON)
- 1430 WGFS GA COVINGTON - 12/31 1852 ads for Covington, back to simulcast of TV nx from Atlanta ABC affiliate, then ID at :00 and CBS Nx (MJ-MI)
- WNJR NJ NEWARK - 12/28 2033 with *AM 1430, WNJR* preceded and followed by UC mx; over/under others, but strong and clear at times (LK-ON)
- 1440 WUNI MI BAY CITY - 1/3 2307 squeezing through WMKM null with PSA for Saginaw and Caro *brought to you by UNI 1440* (MJ-MI)
- KQRS MN GOLDEN VALLEY - 1/10 1745 mention of *Golden Valley* and quick ID; fair in WMKM null (MJ-MI)
- WSSL SC GREENVILLE - 1/10 1734 under WMKM w/C&W mx and *WSSL* and *Whistle 100* IDs (MJ-MI)
- 1470 WRGA GA ROME - 1/9 1800 *Northwest Georgia's news leader, 1470, WRGA Rome* and into simulcast of WSB-TV 2 news (FM-IL)
- 1480 WCNS PA LATROBE - 1/4 2207 fair with AP Net Sports, wx for Westmoreland County and ID (MJ-MI)
- 1500 KSTP MN ST PAUL - 1/13 1600 good at this early hour with ID as *KSTP St Paul - Minneapolis, AM 1500, The Talk Station* into ABC News; a hint of a good western night; WTOP usually dominant at this time (MS-ON)
- 1520 WOOO IN SHELBYVILLE - 1/5 1700 oldies mx, garbled ID and nx for Shelbyville (MJ-MI)
- KACY LA LAFAYETTE - 12/29 1943 canned *1520 KACY* dropped into satellite NOS format; strong! forgot to switch? (FM-IL)
- KACY LA LAFAYETTE - 1/12 2142 ID as *KACY, Casey* after oldies, ads; nice in KOMA null . . . first new log on 1520 in over 10 years, shows what a decent rotatable antenna can do for DX!! (BW-OK)
- 1540 WBCO OH BUCYRUS - 1/6 1625 fair with ID and mention of Sandusky (MJ-MI)
- 1560 WCNW OH FAIRFIELD - 1/7 1612 fair, surfacing briefly over WQXR w/clustered local ads including *Hamilton Telephone Answering Service, Hines(?) Restaurant* in Hamilton, *Ford Lincoln Mercury* dir on Rte 42 in Lincoln, OH, etc; format sounded like country mx, or possibly country GOS (MS-ON)
- 1570 WPEP MA TAUNTON - 1/5 2135 strong briefly, with 10-15 seconds of dead air, then *We play only the very best music, 1570 WPEP* by female (EU-NY)
- 1580 WAMJ IN SOUTH BEND - 1/16 1807-1808 female anncr with wx for area, then clear ID atop channel (RJE-PA)
- WTKT KY GEORGETOWN - 1/9 1732-1736 with *Frankie Ford's Sea Cruise to Oldies 103, WTKT* then promo; over/under WVKO; never hrd before as WAXU/etc (RJE-PA)
- KNIM MO MARYVILLE - 1/11 1904 promo for *Soup of the Day* contest with phone # 582-2151, then mention of *Bearcat* BKB later and ID; fair, but soon faded (MJ-MI)
- WOUV VA PULASKI - 1/9 atop as early as 1625, burying WNZT; this is becoming a pest! (RJE-PA)
- 1590 WCBG PA CHAMBERSBURG - 1/1 1600-1607 news to 1603, songs by *Michael McDonald* and *Genesis*; DJ: *Ron Baker* (RH-NJ)
- WTOQ WI PLATTEVILLE - 1/13 1648 fair with oldie, CL ID, community calendar, time and temperature check (MS-ON)

1600 WUNR MA BROOKLINE - 1/10 2217 SS talk by numerous mentions of Brookline; in/out in a complete stew of stations (LK-ON)

REPORTERS

- BW-OK Bruce Winkleman/Tulsa, OK/R390A and amplified ferrite bar
- BC-NH Bruce Conti/Nashua, NH/R70 + 75' wire
- SA-MB Shawn (Old Man) Axelrod/Winterpeg, MB/uniD help?
- MBOXP Shawn Axelrod, Wayne McRee, & Larry Shewchuk (CIDX)/Valhalla, MB/R-70 (x2), TS-440 + box loop, 100' wire, beverages of various lengths going various directions
- Jeffrey Lessl/Toledo, OH/RF5000A + 60' LW
- JL-OH Conrad Durocher/Nashville, TN/R-2000 + SM-1
- CD-TN Ed Urzl/Centereach, NY/R-5000 + LW + Palomar loop
- EU-NY Eric Bueneman/Marietta, GA/DX-200, TM-152, STA-90, SM-2
- EB-GA Morris Sorensen/HQ-150 with McKay-Dymek DA-9 ferrite loop or ICF-2010 with SM-2
- MS-ON Jeff Kitzel/Dillwyn, VA// thank for goodies, Jeff!
- JK-VA Steve Francis/Alcoa, TN/TRF
- SF-TN Chris Vito/Plantation, FL/ICF-2010, NE beverage
- CV-FL Mike Jezorski/Detroit, MI//Superadio
- MJ-MI Richard Hamison/Hewitt, NJ//Grundig Satellit 3400, SM-2 Spacemagnet
- RH-NJ Frank Merrill/Macomb, IL/R-1000 + unterminated LWs at 000°, 065°, 150°, 185°, 250° and 300°
- FM-IL Barry Finkel/Chicago, IL/FRG7700 + McKay-Dymek DA-S
- BF-IL Bob Gilfert/Virginia Beach, VA/DX-440
- BG-VA Russ Edmunds, WB2BJH/Blue Bell, PA/Modified HQ-150 w/4' NRC FET loop; Nisean caradio w/whip
- RJE-PA Robert Ross/London, ON/TS440S + LWs, dipoles, 4' box loop
- RR-ON Mike Hardesten/Jacksonville, NC/GMC Sonoma Truck with Fender Antenna
- MH-NC Neil Wolfish/Toronto, ON/Honda car stereo near Woodstock, Ontario
- NJW-ON Laurence Kearley/Orleans, ON/ICF-SW1 + Select-A-Tenna or * = Drake R8 + Palomar Loop
- LK-ON Earl Higgins/St. Louis, MO/ICF6500W
- EH-MO Ed.-CA Editor, N5SCZ6/Victorville, CA//

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 :BD:big band
 BRN:Business Radio Net C&W:country & western CHR:contemporary hit radio CID:code ID CL:call letter
 ContChr:contemporary Christian EZL:easy listening EE:English FF:French GOS:gospel IRN:interstate Radio Net jx:joint
 LSR:local sunrise LSS:local sunset MLB:Major League Baseball mx:music NBA:National Basketball Assn rc:news
 NPR:National Public Radio OC:open carrier pbp:play-by-play POL:political PSRA:pre-sunrise authority PSSA:post-
 sunset authority QRM:man-made interference QRN:natural interference QTH:location REL:religious ROK:rock 'n' roll
 RS:regular schedule S:stereo SID:singing ID SP:silent period SRS:sunrise skip SS:Spanish SSB:ster Spangled Banner
 SSS:sunset skip TC:time check TT:test tones UC:urban contemporary UPI:United Press International wx:weather

KIRO NEWSRADIO 71

73 Bill

In the Beginning

John D. Bowker

The complete list of U. S. broadcast stations on the indicated frequency as published by the Federal Radio Commission in 1934. "S" = shared; "SH" = Specified hours; "T" = Transmitter location; "D" = Daytime operation only; "U" = Unlimited time

Frequency (kc)	Call letters	Main studio and transmitter location	Power	Time designation
1320, regional.	WADC	Tallmadge, Ohio	1 kw	U.
	WSMB	New Orleans, La.	500 w	U.
	KGHF	Pueblo, Colo.	{ 250 w 500 w LS.	
	KGMB	Honolulu, Hawaii	250 w	U.
	KID	Idaho Falls, Idaho	{ 250 w 500 w LS.	U.

Domestic DX Digest - West

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

DX TESTS!

- 720 WWII PA Shiremanstown
1/26 0400-0430 Not Hrd (ØW-CO) (JT-CO) ZZZZZZ (WH-CO)
- 1320 KXOL OK Clinton
1/13 0130-0200 Tried, not heard. No Show again? (Couldn't tell ya, I forgot to stay up for this needed one-ed) (TH-CA)

SPECIAL!

- 830 KPUS CA Orange
1/16 0302 Good w/SS talk by female, This station is more of a pest than I expected they would be! (New on Air!) (TH-CA)

Midnight to Midday!

- 1020 KYXE WA Selah-Yakima
1/13 0330 Very good with KTNQ OC. KCKN still going off at night. (Don Niccum of KCKN informed DDXD-W in V 59, No 4 that their sked is 0700-0200 for the foreseeable future-ed) Bilingual program, SS songs and announcements w/ EE ads. Slogan "Washington's very own Radio Centro". (TH-CA)
- 1520 KFXX OR Oregon City
1/15 0310-0508 Poor in delicate KOMA

Wayne Heinen

4131 S. Andes Way
Aurora, CO 80013-3831
FidoNet: 104/108 (303) 699-6335 (ppd)

- null w/ possible SPTS TLK, Net Nx on the hour and a couple of ID's on tape. KOMA is harder to null than some of my LOCALS! (You should try nulling them in the Denver metro-ed) (TH-CA)
- 1560 WQXR NY New York
1/16 0553 Fair poking through KNZR w/ usual CLS format. Rare these days. (TH-CA)

UNID!

- 1320 UNID
1/13 0128 UNID w/ Larry King while looking for KXOL. Looped East. (I'll ck here and see if I'm getting anyone w/ King. None noted recently-ed) (TH-CA)

Contributors!

- (JT-CO) Jeff Tynan Parker, CO - Sony-2010 w/2401si Super
(ØW-CO) John Wilkins Wheatfarms, CO - R-1000, 4.238' Anguilla Loop
(TH-CA) Tim Hall Chula Vista, CA - ICF-2010, Radio West Loop
(WH-CO) Wayne Heinen Aurora, CO - R-390A, 4' NRC loop

73
Wayne

College Sports Networks

Rick Dau

Apt. E-9, 401 Emerald St.
Iowa City, IA 52246-3003

Network listings for team sports stations

STANFORD CARDINAL	Bob Murphy	WASHINGTON HUSKIES	Bob Rondeau
740 <u>KCBS-CA</u>	90.1 KZSU-CA	1000 <u>KOMO-WA</u>	
TEXAS TECH RED RAIDERS	Jack Dale	WYOMING COWBOYS	Dave Walsh, Kevin McKinney
690 <u>KPFT-TX</u>	1580 <u>KWED-TX</u>	710 <u>KNSU-CO</u>	1330 <u>KOVB-WY</u>
710 <u>KQNC-FX</u>	1590 <u>KEAS-FX</u>	930 <u>KROE-WY</u>	1340 <u>KYON-WY</u>
790 <u>KPYO-FX</u>		950 <u>KMER-WY</u>	<u>KWOR-WY</u>
860 <u>KPAN-TX</u>	95.3 <u>KEAP-TX</u>	1030 <u>KTMO-WY</u>	1400 <u>KODI-WY</u>
880 <u>KIKR-TX</u>	95.5 <u>KVRP-TX</u>	1240 <u>KUUS-WY</u>	1450 <u>KBFS-SD</u>
1230 <u>KLVT-TX</u>	97.7 <u>KEAS-TX</u>	<u>KPBC-WY</u>	<u>KBS5-WY</u>
1240 <u>KROX-TX</u>	101.9 <u>KSNY-TX</u>	<u>KEVA-WY</u>	<u>KVOW-WY</u>
1260 <u>KTUE-TX</u>	101.9 <u>KXIK-TX</u>	<u>KASL-WY</u>	1470 <u>KWIV-WY</u>
1370 <u>KPOS-TX</u>	102.3 <u>KVWC-TX</u>	<u>KWAL-WY</u>	1490 <u>KUGR-WY</u>
1400 <u>KBYE-TX</u>	106.3 <u>KPAN-TX</u>	<u>KTHE-WY</u>	
<u>KVOP-TX</u>	<u>KSEM-TX</u>	1260 <u>KPOW-WY</u>	96.9 <u>KMTN-WY</u>
1490 <u>KBS2-TX</u>	107.1 <u>KTLR-TX</u>	1270 <u>KIML-WY</u>	98.3 <u>KERM-WY</u>
<u>KZZN-TX</u>	107.3 <u>KPDS-TX</u>	1290 <u>KOWB-WY</u>	104.5 <u>KSIT-WY</u>
<u>KYWC-TX</u>			

International DX Digest

Jim Renfrew

61 Wilcox Street
Rochester, NY 14607-3832

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

I've just returned from a refreshing two-week vacation in San Diego. My mailbox was filled with a record number of your letters and cards, so we have a great column this week! I was unable to try for the KUAI-720 DX test, even though I was 2500 miles closer, because of lack of a good antenna for my Sony 2010. Mike Hardester tried for them and got a new province with CHTN instead. I hope that some of you got something with WGN off. Thank you to JD Stephens for sending in QSL tips for hard-to-get ZNS and JBC.

How to submit loggings to IDXD? Follow the format used below. Single space, two-sided is okay. Please do not cut into small strips. Try to separate into Trans-Atlantic, Trans-Pacific and Pan-American categories, and follow frequency order if you have a lot of loggings. Those with a small number of loggings need not worry about this. Thanks to all for taking care to be legible! Try to get your stuff to me by Friday of each week so that I can send the disk off to Paul on Monday. Anything past the deadline will be held until the next week's column. **Pan-American**

- 535 GRENADA R. Grenada 12/14 0223 - Noted at poor level w/male-female dialogue in EE and soft pop music. [GT-FL] 1/2 0207-0237 - Monitored about 50% of time, good-fair. Newscast from 0200-0230 read by man and woman. C&W type record show w/male announcer at 0230. [JB*ON]
- 546 NICARAGUA HTC555, Chinandega - Heard here nightly since November w/mostly soft music. IDs as "cinco-cinco-cinco" but not formal slogans. Level ranges from nil to good until 0300 s/off. [GT-FL]
- 550 JAMAICA RJR, Montego Bay 11/22 0312 - Jamaica news by man, excellent. [GH-NY] 1/11-12 2340-0030 - In like a local on truck radio w/man giving sports report to 2359 spot for Red Stripe Beer; news report of Jamaica, after RJR ID on hour. Brief weather report, obits, and to reggae music. Gradual signal deterioration by 0030. Slight QRM from unID co-frequency station. Good signal for the most part. Very unusual reception this weekend. [MH-NC]
- 555p ST, KITTS ZIZ 1/2 0235 - Presumed, w/large het noted at 0220. Snatches of audio around 0235. Very undermodulated transmission. [JB*ON]

- 580 JAMAICA RJR, Galina 11/22 0321 - Jamaican sports news, good. [GH-NY] 1/12 0035-0120 - Fair to poor w/cricket match between West Indies and Australia. RJR ID and spot for Anwings and Accessories in Kingston, the only break in coverage. Noted // 720 which had best signal (excellent level) and // 770 (poor signal). As w/550 logging, no domestic station QRM: WGN and WABC conspicuously absent. [MH-NC] 11/24 0443 - Carib EE talk, reggae dub & rap vocals, under WTAG. [MC-MA]
- 590 MEXICO XEE, Durango 1/9 1057 - "Mexico Despierta" wake-up program from R. ACIR network, complete w/shouting, rooster crows, ranchera music. This was our unID from last year. Wonder if XEE is no longer 24 hrs? [TRH-CA]
- 650 COLOMBIA HJJK, Bogota - Discussion by two men, "RCN" ID, good. [GH-NY]
- 650t HONDURAS LV de Centro America, San Pedro Sula 12/31 0213-0330 - There was a "Panorama" program, economics in Central America, a discussion of Pan-American baseball, and two North American blues tunes. I also heard some mentions of R. Nacional, R. Mundial, and R. Rossa, and Victoria Mundial. They even played an instrumental "Take Me Out to the Ballgame". [TB-ON] (Honduras is a good possibility that is sometimes heard in the US, though I wonder if you might be hearing Venezuela which has a winter baseball league covered by various stations and networks. If you have a tape, I can give it a listen - Jim)
- 680 CUBA R. Rebelde, Ciego de Avila 1/5 0337-0348 - Fair w/lively SS music, male DJ between songs, // 600/670/710; new. [RSR-ON]
- 690 MEXICO XETRA, Tijuana MM 1/6 0903 - Huge TTs again. Wonder if this is the new 100 kW transmitter? Th 1/9 0919 - Open Carrier. [TRH-CA]



- 690 MEXICO unID Th 1/9 1047 - Station carrying a new satellite feed known as "Fiesta Mexicana". No local IDs or ads of any kind; even harder to identify than ACIR affiliates. [TRH-CA]
- 690 MEXICO unID Th 1/9 1156 - unID s/on fair-good w/XE anthem, then very happy song "Coronela" accompanied by saxophone and music. The ranchera program (tons of XE stations air ranchera music in the early mornings and romantic music late at night, regardless of their regular formats), then killed by XETRA s/on. Suspect needed XEMA. [TRH-CA]
- 700 JAMAICA R. One, Montego Bay 0208-0310 1/12 - In solid w/armchair quality reception. Male announcer, frequent R. One-derful IDs, AM and FM frequencies frequently mentioned, UTC-5 TCs. Light and carefree/jovial attitude by announcer. Again, no QRM from expected WLW. Noted // 750, and no QRM from expected WSB. At 0250 the signal on 700 began to drop and the signal on 750 began to improve. Good 30+ minutes on tape. [MH-NC] 1/17 2255 - Male DJ w/contestant Marcia in call-in game (she won), anniversary announcements up to the hour, ID as JBC 971. FM. [JF-NY]
- 730 MEXICO XEX, Mexico City 11/12 0240 - Lively Mexican music, call letter ID. [GH-NY] 11/24 0505 - Romantic SS vocal, XEX ID, in jumble w/CKAC phased. [MC-MA]
- 750 unID 12/30 0217+ - Strong SS over/under WSB playing US ROK and oldies. At least twice heard a loud "cincuenta-seis!!!" (56) as if this were a slogan. Help? Nothing like this seen in IDXD back through 6/91. [RjE-PA] (Music sounds like Carácas, but slogan is mystifying - Jim)
- 750 JAMAICA R. One 0330 1/2 - EZL/AC music program under WSB. Seemed several commercials or PSAs prior to 0330. ID at 0330 "this is JBC Radio ..." then into pop song. [JB*ON]
- 750 VENEZUELA R. Carácas, Carácas 12/23 0357 - "R. Carácas" noted in passing. [GH-NY] 1/8 0024 - Good w/US classic rock and urban mx along w/contemporary SS music and telephone talk, over WSB. [BAC-NH]
- 760 COLOMBIA R. Cadena Nacional, Barranquilla 11/24 0400 - RCN net ID, SS news. [MC-MA] 1/15 0230-0258 - Fair to sometimes good signal over WJR, w/mention of Colombia and many mentions of Bogotá clearly heard in SS talk. Seemed to fade out for good before top of the hour. [BAC-NH]

- 760 VENEZUELA YVQQ, Puerto la Cruz 11/24 0515 - Hot dance music (African influenced SS LA), Doble Q ID, good over several others. [MC-MA]
- 760 COLOMBIA R. Reloj, Guanabacoa 0255 1/15 - Momentarily over WJR and Colombia w/easily identifiable clock and RR Morse code, and "noticias", time, and R. Reloj ID by man. [BAC-NH]
- 770 COLOMBIA RCN, Bogotá 11/12 0219 - Talk by man and woman, ID as "RCN" in WABC null. [GH-NY]
- 770.6 COLOMBIA RCN, Bogotá 1/7 0443-0500 - Fair w/SS ballads and EZL instrumentals. Nice signal, peaks easily separated from WABC-770. SS talk by man on the hour, but killed by slop; new. [RSR-ON]
- 770 VENEZUELA YVKK, Valencia 11/24 0359 - Dominant w/Venezuelan anthem, apparently s/off as then lost to jumble. [MC-MA]
- 780 VENEZUELA YVMN, Coro 11/24 0341 - R. Coro ID, festive SS music, loud and dominant. [MC-MA] 1/11 0547 - SS version of Sinatra's "My Way", then SS talk, R. Coro ID to good peak. [MC-MA] 1/24 2306 - Heard w/music and IDs in WBBM null, not noted so early before. [JR-NY]
- 780 MEXICO unID Th 1/9 1203 - unID w/ranchera music. [TRH-CA]



- 810 COLOMBIA HJCY, Bogotá 11/16 0339 - SS talk w/"Caracol" ID. [GH-NY]
- 810 BAHAMAS ZNS-3, Freeport 1/5 0003-0010 - Woman w/news for islands, local weather report, wind speeds in knots. "I'm Elaine ????" into music, then faded behind Colombian station. [RSR-ON]
- 825 ST. KITTS R. Paradise 12/30 0225+ - I must be the last to get this, but booming in w/Carib-accent EE religion. [RjE-PA] 1/2 0240-0250 - Presumed w/low-level audio, several ad EE fragments heard, then US address and religious discussion by man and woman. [JB*ON]
- 830 DOMINICAN REPUBLIC R. HIJB, Santo Domingo 11/16 0331 - LA vocals, SS talk, w/station ID, good. [GH-NY] 1/6 0049-0115 - Good w/SS ballads, SS versions of Paul Anka music. Male DJ mentions "en Santo Domingo"; new. [RSR-ON]

- 830 BELIZE Belize 12/23 0410 - Christmas program, from "R. Belize", good. [GH-NY]
- 830 VENEZUELA R. Sensación, Carácas 0116-0225 1/15 - For the most part motorboating through local static, over unID religious station and an SS talk station, but heard clearly w/time announcement as "nueve-cincuenta-seis ... La Sensación" at 0156 (they're AST), followed by South American music. The unID SS talk station may have been the Dominican Republic, as mention of Santo Domingo was heard a few times in the din. No sign of WCCO in there. [BAC-NH]
- 835 unID 0206-0215 1/7 - LA looping about 185 from here w/up-tempo US C&W, soft-voiced female announcer, w/characteristically LA-weak mike modulation, but believe in EE, w/many fades. Nothing in IDXD on this back as far as 6/91. [RjE-PA] (Nothing listed, except Paraguay - Jim)
- 850 COLOMBIA HJKC, Bogotá 11/13 2354 - LA music, SS talk, good. [GH-NY]
- 870 ARGENTINA LRA, Buenos Aires 12/24 0605 - Guitar music, male vocals, ID as "R. Nacional", fair. [GH-NY]
- 880 ECUADOR R. Catolia Nacional, Quito 12/31 0145-0158* - Under WCBS, poor-fair on peaks. Small children reciting rosary in SS. Definitely // to 5030 SW, which went off the air abruptly at 0156. 880 stayed on until 0158 w/music and SS vocals until 0158 off abruptly, no national anthem. New country #28. Thanks to Werner Funkenhauser, ODXD Foreign BCB Editor, for the phone tip! [RSR-ON] (Fantastic! - Jim)
- 890 COSTA RICA TILDA, San José 11/23 0432 - Happy SS music, "R. Fabulosa" ID, fair. [GH-NY]
- 890 COLOMBIA R. Galeón 1/17 2315 - Male DJ w/noticias, many commercials including Mobil w/mechanics on duty "en Santa Marta" plus other local ads. [JF-NY] (Is this one still slightly on the high side of 890, Jim? - Jim)
- 890 MEXICO XEMZ, Culiacán SIN 1/21 1030 - With romantic music and MST TCs after KDXU off. No ID heard. [JR*CA]
- 895 ST. KITTS 12/30 0230+ - I may be the last on this (I'm later than you - Jim), but noted well considering adjacent channel slop from semi-local WURD-900, w/mostly talk by male and female announcers. [RjE-PA] 1/17 2325 - EE woman w/music program and commercials including taking care of our Caribbean by the Caribbean Conservation Committee. [JF-NY]



- 900 HONDURAS R. Centro 12/4 0530 - Weak but clear using cuckoo sounds w/IDs. Ballad-like LA music the fare. Don't know which of two outlets this was. Nightly. [GT-FL]
- 916 COLOMBIA LV del Rio Grande, Medellín 12/8 0325 - Noted in passing at fair level; numerous Colombia mentions and IDs. [GT-FL]
- 920 MEXICO XESDA, Ensenada BCN 1/17 0802* - Heard w/call letter s/off and Mexican NA. [JR*CA]
- 944 unID - SS operatic singing detected here around 0350 since early December. Carrier fair/audio poor. Nothing listed, but there was a Honduran here a while back. [GT-FL]
- 960 CUBA 11/24 0550 - R. Reloj program in messy pile-up w/CHNS /WXLO /WELL. [MC-MA]
- 990 VENEZUELA YVRT, Carácas 11/7 0440 - LA mx, "R. Mundial Tri-color" ID, good. [GH-NY]
- 1000 COLOMBIA HJAR, Cartagena 11/7 0432 - SS talk by man and woman, w/"RCN" ID, good. [GH-NY]
- 1030 COLOMBIA HJER, Cali 12/26 (no time) - SS talk, "RCN" ID in WBZ null. [GH-NY]
- 1070 unID (probably FRENCH GUIANA) 1/10 0104 - Bits of FF talk mixed w/SS Venezuelan; both well under CBA (whose high-angle skip was difficult to maintain a null on). Het from something on 1071. [MC-MA]
- 1090 VENEZUELA YVSV, Carácas 11/7 0558 - LA music, "éxitos mil noventa" ID, fair. [GH-NY]
- (1090) MEXICO XEPRS, Rosarito Beach Th 1/9 1026 - Totally off; usually takes some sort of SP (maybe only a few minutes) during the first week of the year. Unfortunately, channel was covered w/noise. [TRH-CA]
- 1090 MARTINIQUE Fort de France (per WRTH 1991 listing) 1/10 0057 - Fast Carib FF talk by man; good w/WBAL phased. There's still some confusion as to whether R. Caribes International is St. Lucia or Martinique. WRTH 1991 says Martinique; Mark Hattam in Medium Wave News (1/92) claims it to be St. Lucia after recently travelling there. Can somebody put this question

- to rest once and for all? [MC-MA] (Both 91 and 92 WRTH - under Martinique listing - say transmitter is on St. Lucia - Jim)
- 1100 COLOMBIA HJSA, Barranquilla 11/14 2255 - SS talk by man and woman, "Caracol" ID, good. [GH-NY]
- 1100 ANTIGUA ZDK 1/10 0056 - Carib-accent ad for wholesale store; good w/WWWE easily phased out and just some Canaries-1098 QRM. [MC-MA] 1/17 2319-2324 - News reports, reporter said "... for the CBC Caribbean Report." I didn't realize that ZDK relayed this program from Barbados. Deep fades. SIO 333-1. [JB-NF] 1/17 2339 - EE male w/Airline arrival schedules, commercial for the Food Brokerage Store, Lions Club of Antigua, ID as "Magic Radio, Z(ed)DK. [JF-NY]
- 1110 MEXICO XEVS, Hermosillo 1/4 1100 - Excellent call letter ID mostly o/KFAB. Taped. [WH-CO]
- 1150 VENEZUELA YVMV, Punto Fijo 12/28 0415 - LA music, "R. Mundial" ID, fair. [GH-NY]
- 1160 BERMUDA VSB3, Hamilton 1/10 0445 - BBC World Service // 5975; EE news by woman, then British folk music program; briefly over WSKW/ WOBM/LAs. [MC-MA]
- 1162.6 HONDURAS HRGF, El Paraíso 0115 1/4 - Fair/good w/a sporting event between Honduras and Guatemala. ID as R. Paraíso. [GT-FL]
- 1165 ANTIQUA Caribbean Lighthouse, St. John's 12/29 0222 - Fair w/male in EE, religious messages. [GT-FL] 1/10 0037 - Good w/choral music, preaching, female vocal. [MC-MA]
- 1170 HAITI 4VRS, Port-Au-Prince 1/10 0045 - Male DJ in Creole FF w/reverb, Afro-Carib (zouk, etc.) music. Loud, tearing into WWVA. [MC-MA]
- 1180 CUBA 12/31 0342 - SS talk by woman who said "desde La Habana, Cuba". [MC-MA]
- 1220 VENEZUELA YVVM, Valencia 12/26 0317 - "R. Mundial Valencia" ID, good. [GH-NY]
- 1260 MEXICO XEMW, San Luis 1/4 1030 - Dominating the channel, call letter ID w/many R. San Luis slogans. Taped. [WH-CO]
- 1270 CUBA R. Reloj, Camagüey 1/7 0540-0545 - Under WXYT, w/same details as reported in 760 item above. [RSR-ON]
- 1285 unID 1/4 0107 - Slow, operatic vocals in what sounded like SS. No ID hints. [GT-FL]
- 1350 MEXICO unID 0800 1/21 - Heard Mexican NA u/KSRO, then off (I think). My IRCA Mexican list shows earlier s/off or 24 hrs on this frequency. [JR*CA]
- 1375p ST. PIERRE ET MIQUELON 1/2 0255 - Monster carrier noted at 0255. Their scheduled s/off per WRTH is 0230. Transmitter left on? [JB*ON] (Look again at WRTH: France-Inter program from Paris replaces local program at this time, so maybe satellite failed, or audio was weak on strong carrier? - Jim) 1/6 0250 - FF talk by man, excellent. [MC-MA]
- 1419 unID - SS audio has been popping up here since early November. Carrier is at fair level but audio is terrible. Looped Central America, but nothing definite. Audible around 0300-0400. [GT-FL]
- 1420 MEXICO XEXX, Tijuana 1/1 2033 - Totally off for New Year's Day, resulting in amazingly less slop up and down the dial. [TRH-CA] (My visit last week to San Diego, within eye-sight of Tijuana showed far less slop from the Mexican stations than on previous visits, worst culprit this time was KKLQ-600 harmonic on 1200 - Jim)
- 1420 MEXICO unID 1/2 0415 - Noted both in car and at home w/new "Fiesta Mexicana" satellite feed. Signal strength would suggest XEF, but I just logged them a week earlier w/their brand-new "R. Centro" slogans and without this satellite feed. [TRH-CA]
- 1460 MEXICO R. Sensación, Cd. Juarez 1/21 0845 - probably Juarez w/SS slogan in mess. [JR*CA]
- 1470 MEXICO XERCN, Tijuana 1/1 2033 - Totally off for New Year's Day.
- 1555p CAYMAN ISLANDS 1/2 0256-0300 - Very low level audio, as usual, EZL music til 0300, then male announcer began local news. This was not // off air BBC as indicated in WRTH. No ID heard. Back to music at 0310 w/"Rudolph the Red-Nosed Reindeer. [JB*ON] 1/9 2335 - Mellow soul music, EE woman DJ, good but hetted strongly by suspected Gabon-1554. WQXR phased. [MC-MA]
- 1580 VENEZUELA YVYO, Santa Rosa 11/13 0357 - Martial music, "R. Occidental ID", good. [GH-NY]
- 1610 ANGUILLA The Valley 12/14 0528 - EE preaching, like a local. Hetted by Vatican-1611. [MC-MA]
- 1620 unID Beacon SBT - Noted back in late November/early December around 0400. My references list nothing. Help? [GT-FL] (Nothing here - Jim)

- 1655 unID 1/4 0400 - BBC in SS w/Big Ben and ID. Don't know where this is coming from. Any clues? Please help! [EM-NC] (I suspect a mixing product, spur or harmonic from BBC's shortwave relay on Antigua. Can anyone else shed light on this for Ed? - Jim)
- 1685 COLOMBIA MER, Mercaderes - MER beacon having an identity crisis. First noted last summer using MEK, then occasionally MEA and MEN in the fall, now using MERE (or E MER). All signals loud and clear, so not a propagation distortion. [GT-FL] (Thanks for IDing my unID MERE of a few weeks ago! - Jim)
- Trans-Pacific
- 1620 unID 1/4 1020 - Weak carrier w/very shallow audio. Totally unintelligible. Aussie? Or Al Merriman's Virginia Beach TIS? A continuous loop tape transmitter test has been reported in *Numero Uno* by some PA DXers, in 10/91 about 0100 call was KA2XAU, female giving test info, a verification was received listing 10 watts.
- 1630 NEW ZEALAND TM, Taumarunui 1/4 1015 - Noted this beacon while checking for Australia on 1629. Signal was fair-to-good w/typical DU fading. Listed as 200 watts. Checked other DU splitters but found nothing except a 1629 carrier. [WH-CO]
- Trans-Atlantic
- 153 ALGERIA Bechar 1/20 0025 - The one I have listed here in AA w/talks by a man interspersed w/Koranic music. No SW // found. [JF-NY]
- 181 TURKEY Polati 1/20 0040 - Again the one I have listed w/talks by a man w/3-4 minute segments of Turkish music in between talks. Very weak under huge open carrier. Could not hear // FM, hi. [JF-NY]
- The logo is a shield-shaped emblem. At the top, it says 'RADIO Alpenkruiser'. Below that, 'IS M. Marjanne' and 'mg' are written. The central image is a reindeer standing on a rocky outcrop. At the bottom of the shield, it says 'K. POSTBUS 6 NW LANDELOO'.
- 765 SWITZERLAND Sottens 1/8 0501 - Man in FF, fair. [MC-MA]
- 774 SPAIN synchros 1/8 0459 - Man and woman in SS, fair. [MC-MA]
- 837 CANARY ISLANDS 1/6 0430 - SS talk by man, music, then SS talk by woman. Good, no sign of 836. [MC-MA]
- 855 SPAIN Murcia 12/18 0510 - SS talk by woman, fair. [GH-NY]
- 882 ENGLAND Washford et al 1/8 0114 - Folk and show tunes, then man in EE, at excellent level (WCBS phased). [MC-MA]
- 891 ALGERIA Algiers 1/6 0426 - good w/AA male vocal. 1/8 0127 - male AA talk. [MC-MA]
- 936 unID - In nightly w/good carrier, poor audio. Looped NNE/SSW so I don't know whether it's a TA or LA (but it follows TA fade-pattern). Morocco or wayward LA? [GT-FL]
- 963 PORTUGAL R. Renascença, Seixal 1/14 2140-2204 - mainly PP ballads, nice ID then nx at 2200. Mixing w/station in FF, suspect Tunisia, w/old pops and news headlines at 2200, but it did not seem to s/off per WRTH. Nevertheless, a much easier catch than before as my local CFIQ-970 went belly-up today (1/14). SIO 322. [JB-NF]
- 981t ALGERIA 1/8 0444 - bits of AA-sounding talk, in heavy 980 slop. [MC-MA]
- 999 SPAIN Madrid 1/8 0200 - Pips, news by woman in SS. To good peaks, some CKBW slop. [MC-MA]
- 1008t CANARY ISLANDS 1/10 0117 - Het, bits of audio, badly trashed by WINS 1010. [MC-MA]
- 1026 SPAIN Reus (?) 12/18 0507 - SS talk by man and woman, fair. [GH-NY]
- 1044 MOROCCO Sebba-Aioum 1/8 0205 - AA male talk in bad WEVD slop. 1/10 0115 - AA chant loud, SAH 4 Hz. [MC-MA]
- 1062 PORTUGAL Norte 1/6 0405 - Male PP vocal w/a C&W-style melody - poor to fair w/WBIV-1060 phased. [MC-MA]
- 1088 ANGOLA Luanda 1/10 0108 - PP talk (news?) on good strength carrier in slop from Martinique 1090; WBAL phased. This is the strongest that I've heard Angola from a QTH not right on the beach. Coast (Swampscott, MA area) on bearing to Angola is a good 15 miles from the Billerica home QTH. [MC-MA]
- 1089 ENGLAND 1/16 0358 - EE talk by woman, then rock music. Poor to fair; WBAL phased. [MC-MA]
- 1098 SPAIN Synchros 12/18 0503 - SS talk by man and woman, poor-to-fair. [GH-NY]
- 1098 CANARY ISLANDS (and/or SPAIN) 1/6 0411 - SS teletalk program w/man and woman talkmasters; good over ZDK-1100 slop w/WWWE phased. 1/10 0054 - Santa Cruz de la Palma

- atop during semi-AU conditions; music at low audio level on big carrier, 2nd station under, SAH of 1.8 Hz present. [MC-MA]
- 1107 **SPAIN/EGYPT?** 1/6 0331 - man and woman in SS (good), over second station w/possible AA music. 1/8 0218 - good w/man in SS. [MC-MA]
- 1116 **SPAIN Pontevedra** 12/18 0455. SS talk by man, fair-to-poor. [GH-NY] 1/8 0219 - Bits of SS music. [MC-MA]
- 1125 **SPAIN (unknown city)** 12/18 0532 - Soft music, SS talk by man and woman, fair. [GH-NY] 1/8 0221 - SS talk by man over/under unID music station. [MC-MA]
- 1134 **SPAIN** 1/6 0415 - Fast SS talk by woman, slopped by WNEW. [MC-MA]
- 1179 **SPAIN (and/or CANARY ISLANDS)** 1/8 0434 - good w/fast SS talk by man. [MC-MA]
- 1215 **ENGLAND BBC R. 3 synchros**, 1/17 2226-2227 - Cricket play-by-play. Splatter from VOAR on 1210. SIO 333. [JB-NF]
- 1251 **LIBYA Tripoli** 1/10 0109 - Male AA vocal, fair to good, blasting a hole in WKBR 1250 at times. [MC-MA]
- 1269 **GERMANY Deutschlandfunk, Neumunster**, 1/14 2112-2115 - Man and woman talking in Norwegian. SIO 333. [JB-NF]
- 1305 **SPAIN Orense** 12/18 0440 - SS talk by man, SS vocal by woman, //1314, fair. [GH-NY] 1/8 0244 - SS talk by man, SAH 3 Hz. [MC-MA]
- 1314 **SPAIN Valladolid** (probably) 12/18 0442 - SS talk, // 1305, poor-to-fair. [GH-NY]
- 1314 **NORWAY Kvitsoy**, 1/20 2338 - Both male and female announcers in what sounded like a program of EZL. Too much talk and not enough music, however. [JB-NY]
- 1325t **MOROCCO Safi** 1/10 0024 - Fair strength carrier in WRCA-1330 slop. Will have to try this from Cape Cod. [MC-MA]
- 1349 **MAURETANIA Nouakchott** 1/9 2358 - Fair w/female chant, QRM CKAD 1350. 1/10 0020 - Loud w/male Koranic recitation, best TA at time. [MC-MA]
- 1355 **SPANISH SAHARA [MOROCCO]** 1/10 0022 - Carrier in WLYN 1360 slop. Likely the station heard well on the NF DXpedition. [MC-MA]
- 1367 **ANGOLA Luanda** 1/9 2352 - Het and bits of audio in WLYN-1360/WFEA-1370 slop. [MC-MA]
- 1395 **ALBANIA R. Tirana, Lushnje**, 1/17 2246-2256 - EE program about song contest, short talk (only 1 minute - how the world has changed!!) about politics. SIO 243. [JB-NF]
- 1404 **GUINEA Kipe** 1/9 2345 - FF talk, in WLLH slop. [MC-MA]
- 1458 **ENGLAND BBC Greater London R.**, 1/14 2230-2307 - Mess w/4 UK stations fading in/out and one more weaker one possibly in German (Weida, 5 kW listed). Unequivocally London at 2255 w/woman DJ mentioning frequency w/"94.9 FM" then music by Supertramp; canned "G-L-R" ID by man at 2303, then probably music. SIO 322-1. 1/17-18 2356-0008 - One of British stations audible, music from 0005. SIO 322. [JB-NF]
- 1458 **ENGLAND BBC R. Devon, Torquay** 1/14 2230-2307 - Mess of stations, unequivocal material: DJ talking to "Paul in Torquay" at 2250; At 2257 mentioned "Brain-Teasers" quiz and gave address as "Howard James Late-Night Southwest, BBC Radio Devon or Radio Cornwall ... Plymouth ...", Beatles music, news at 2300. WRTH says this is from Torbay, British DX Club's list says Torquay! SIO 322-1. [JB-NF]
- 1458 **ENGLAND BBC Greater Manchester R.**, 1/17-18 2256-0008 - Mess but this one strongest, "The Late Night Show w/Bob Roberts from the BBC in the North" playing old standards, 6 minutes of news and weather on the hour ... one item: "The Chief Constable of Greater Manchester has confirmed that there will be no further enquiry into a fight that broke out when the police arrived at a funeral wake ...!!" SIO 322. [JB-NF]
- 1458 **SCOTLAND BBC R. Cumbria, Whitehaven**, 1/18 0000-0008 - Noted weakly in mess, w/woman reading the news, weather, 2 IDs discerned. SIO 222-1. [JB-NF]
- 1467 **MONACO/France TWR, Romoules**, 1/17 2335-2336* - EE program ending, IS once and off. SIO 333. [JB-NF] 1/20 2310 - Tentative, the one here that I believe is the French outlet w/talks by a man in FF w/selections of EZL vocals. Good audio for quite a while, no doubt about FR language. [JB-NY]
- 1467 **RUSSIA/UKRAINE? R. Moscow**, 1/17 2336-2355 - RR evident after TWR s/off, mainly talk, "Moscovia Radio" ID twice. Must be what we heard under TWR during the NF DXpedition. SIO 243. [JB-NF]



- 1503 **POLAND R. Polonia, Stargard**, 1/17 2219-2222 - Mailbag program in EE thanked listeners for letters, mentioned a listener who had visited the studios in Warsaw. SIO 322. [JB-NF]
- 1503 **unID** 1/9 2324 - Interestingly, at the same time 1566 Azores was in, the 1503 carrier was noted. Its audio was trashed beyond recognition by superslopper WSSH 1510. High band Spain not doing so well, so maybe 1503 was the Azores AFN outlet we heard in NF last November. There's hope that AFN might reach the USA yet. Conditions had gotten more auroral by the evening of 1/9 as compared to the previous night. [MC-MA]
- 1512 **SAUDI ARABIA Jeddah** 12/15 0215 - Long talk by AA man, fair-to-good. [GH-NY]
- 1521 **SAUDI ARABIA** 1/6 0300 - S/on w/AA talk, then male a cappella AA chant. Very loud, often killing WWKB-1520. [MC-MA] 1/17 2210 - Absolutely local level overriding 1520 w/AA music and talks by male announcer. [JB-NY]
- 1530 **VATICAN CITY** 1/8 0315 - Latin Gregorian chants, chimes, talk in unID language, poor to fair, in pile of co-channel carriers w/WCKY phased. [MC-MA]
- 1548t **ENGLAND** 1/6 0306 - Bits of British EE newscast, poor in slop. [MC-MA]
- 1548 **ENGLAND BBC Capital Gold, London** 1/14 2208-2223 - US-accent DJ w/C&W music, ad at 2220: "Capital Gold presents Don Williams, live on stage at the London Palladium, on the 29th or March. Book your tickets now at 071 494 5020 ... live in London on Capital Gold." Over/under R. Bristol. SIO 322. [JB-NF]
- 1548 **ENGLAND BBC R. Bristol** 1/14 2213-2223 - Marginally weaker than Capital Gold, but up well from time-to-time, "Link Words" quiz, local messages for people in Bristol. SIO 322. [JB-NF]
- 1554t **GABON** 1/9 2335 - Stiff het against Caymans 1555, but little audio extractable. [MC-MA]
- 1562 **PORTUGAL Covilha** 1218 0516 - PP talk by man, soft music, poor-to-fair. [GH-NY]
- 1566 **AZORES Vila do Porto** 1/9 2324 - Pop vocal poor to fair in slop. 1503 carrier noted at the same time. [MC-MA]
- 1593 **WEST GERMANY Langenberg** 1/6 0309 - Classical violin music, good carrier, fair audio. [MC-MA]
- 1593t **EGYPT Minya & Matruh**, 1/14 2122-2133 - Almost certainly the Holy Koran program w/Koranic recitation doing a pretty good job of QRMing Germany, long talk in AA started at 2123 ... plenty of mentions of Mohammed and Allah. Was not evident on recheck at 2205 (WRTH lists 2200 s/off). SIO 322. [JB-NF]

Harmonics

- 2260 **MEXICO XECHG-1130 harmonic**, SM 1/12 and every night since - "R. Fiesta" slogan. Did not note the harmonic on 3390, which has been logged in Scandinavia! [TRH-CA]

Station News

BELGIUM: Wolvertem 927 plans to decrease power from 300 kW to 150 kW to save energy. Wolvertem 1512 is now using 25 kW during the day, while 300 kW during night hours. [Art van Eck in ARC #13]

MEXICO: Information just received from Carl Huffauer in Mexico City: Everybody's unID on 720 is XEAVU-Alvarado, Veracruz, formerly listed on 1540 as XEAVR. This has been logged from Missouri to Sweden! [TRH-CA] (And in New York - Jim)

QSL Information

Bahamas: In 1983 ZNS-3 810 sent a friendly letter in 33 days in response to personal letter, family photo, DXing article, copy of R. Cayman QSL, and mint Bahamian stamps. Broadcasting Coporation of the Bahamas, Station ZNS-3, PO Box F-2403, Freeport, Grand Bahama, The Bahamas. V/s Mr. Albert D. Adderley, Station Manager. [JDS-AL]

Jamaica: The Jamaica Broadcasting Corporation, 5 South Odeon Avenue, PO Box 100, Kingston 10, Jamaica. V/s Mr. Hector Wheeler, Assistant Programmes Director - Production. Received 9/91. [JDS-AL]

Radio Frontera
LA AUTENTICA EMISORA INTERNACIONAL DE VENEZUELA

YV00-960 KCS.
YVPP-4760 KCS. 50 MTS.
YVLS-11725 KCS. 20 MTS.
YV00-FM - 104.1 MCS.

ESTUDIOS: EDIFICIO - RADIO - CARRERA 5 ENTRE CALLES 3 Y 4 TELEFONOS 1196 Y 1197
SAN ANTONIO DEL TACHIRA VENEZUELA

USA: Addresses for TUK-194 beacon, requested by Brian Vernon: Dept of Transportation, Federal Aviation Administration, AF Sector Field Office 816-1, PO Box 599, Nantucket MA 02554 (from Martin Foltz's 1975 QSL) or Federal Aviation Administration, AFSU-2222, Tower Building Room 204, Nantucket Memorial Airport, Nantucket MA 02550 (September 1990 Pop. Comm. article via Bob Gilfert).

Watch Out!

WLVU-1470, Dunedin FL broadcasts in GG on Saturdays 8-10 pm EST, and WLQY-1320, Hollywood FL is in FF at least some evenings around 9 pm EST. [GT-FL]

Contributors

[WH-CO] Wayne Heinen, Aurora CO; R-390A w/4' unamplified loop, audio equalizer and tape decks

[BAC-NH] Bruce A. Conti, Nashua NH; R70, DX400, 2 75' wires.

[MH-NC] Mike Hardester, Jacksonville NC; ICOM R-70 w/Radio West Loop, GMC Sonoma w/fender antenna (t).

[RSR-ON] Robert S. Ross, London ON; Collins 651S-1, Kenwood TS440S, dipoles, longwires and 4' box loop.

[EM-NC] Ed Mitkys, Zionville NC

[JB*ON] John Bryant, at Dave Clark's DX barn, Newmarket ON; Drake R-7A, 400' SSE beverage

[RjE-PA] R. J. Edmunds, Blue Bell PA; HQ-150, amplified loop.

[TB-OH] Tony Bernhoffer, Toledo OH; Pioneer SK 550 AM/FM portable stereo, 2' homemade indoor BCB loop.

[JDS-AL] JD Stephens, Owens Cross Roads, AL (IRCA CPC Chairman)

[GT-FL] Gerry Thomas, Pensacola FL, R-70, HQ-180A, experimental loops.

[JR*CA] Jim Renfrew, San Diego CA; Sony ICF-2010, no antenna.

[JB-NF] Jean Burnell, St. John's NF; Icom IC-R71A, 250' wire, 1/14 logs from Pouch Cove, 1/17 & 1/18 logs from Cape Spear.

[JF-NY] Jim Fedor, Brewerton NY; R-70, 1000' NW/SE wire.

[GH-NY] George Hakiel, West Islip NY; Icom R-9000, Icom R 71A, longwires, loops, phasing unit.

[MC-MA] Mark Connelly (WA1ION), Billerica MA; R-390A, DX-440, R-600, two 37m longwires phased w/MWDX5 phasing unit.

[TRH-CA] Tim Hall, Chula Vista CA; Sony ICF-2010, Radio West Loop, Delco car receiver.

Jim

Some Comments on UnID's ... by César Objío

When I received *DX News* No. 8, November 25, I saw many unID stations in IDXD, so I wanted to help fellow listeners according to my possibilities due to my location in the Caribbean Basin. So, please read this with that copy of *DX News* at hand.

530 The most likely station heard on this freq. is Rumbo, Cartago, Costa Rica, of course in Spanish, heard easily here due to its free frequency, but somewhat weak.

550 Good explanation in IDXD.

600 By looping out Cuba, the strongest station here is R. Libertad, Barranquilla, Colombia. Heard on 12-11 at 0155 ID'ing as "Potentísima Libertad" with pop music and ads for businesses in Barranquilla. But the one probably heard by Lawrence Kearly, according to his information, is Cuba. Perhaps he was listening to a newsreel with news from all Latin America. I can't hear it at 1120, as it is already daylight here at that time.

650 What can I say? Local R. Universal, contrary to what you may think, is the strongest station in this country, with 20 kW, and the only one heard throughout the

country in my trips. This could be the one heard by Alan Merriman. Another probably station is R. Visión, Maracay, Venezuela, very good here when R. Universal is off.

660 Again a Venezuelan. Rock and songs in English are not strange or difficult to be heard around Latin America. You can hear them everywhere. No ID was heard by Merriman as he missed the ideal times: the hour and the half; he mentioned the time as 2305-2325. Usual station heard here is Ondas de los Médanos, Coro, Venezuela.

780 The leading station here was Ecos del Torbes, San Cristobal, Venezuela, the one many Dominicans tune in to in order to listen to the winning numbers in the "Lotería de Táchira", but lately R. Coro moved to this spot from 1210, causing QRM. "Las diez y quince minutos en Ecos del Torbes". Heard this ID on 12-11 (10:15 on Ecos del Torbes) with old and romantic songs, alternating with R. Coro in Estado Falcón. Tortola in Roadtown is too weak here to fight with these two stations. Looping does not help

as Torbes and Coro are in different directions from here. Besides, I have local La Voz del Trópico on 790 causing some splash on the frequency.

820 Upata? Could be with their 50 kW, even though this city is located at some 550 kms SE of Caracas (in a straight line), 60 kms by road SE of Puerto Ordaz and the Orinoco River. but the station most probable here is R. Guadalupana, Coro, which moved to this freq. some time ago from 1520, good signal.

860 Here I have local R. Clarín, which could be the first station heard by Doug Allen. But I don't think they are operating with the 50 kW they say. That is not the case since more than ten years ago. They are on with no more than 10 kW even though they still announce 50 kW, but if that were the case, why is that R. Universal with 20 kW is heard in all places in the country, and R. Clarín, supposed to be stronger, is not heard well, and besides Clarín needs a repeater on 850 kHz in Santiago, and R. Universal does not have any on any frequency or in any place in the country? My comparison to Universal does not have any on any frequency or in any place in the country? My comparison to this situation is the station on Turks and Caicos on 1570 with 50 kW that is heard as a local in all the Dominican Republic, except in Santo Domingo where we have local R. Amacer. R. Clarín with 50 kW should be the same or even better, as it is closer to us. They do have a relay on 105.5 MHz FM, high in the central mountains that is heard well in the whole country. When R. Clarín is off, the station heard on this frequency is R. Curum, Curaçao, but it is too weak even here. In an aurora situation perhaps you can hear it. Or it could be R. Visión in San Cristóbal, Venezuela. By the way, there is no business or anything that I know of in this country with the name of "La Ponderosa". If Doug Allen is in Colorado, it could be Mexico.

970 If calypso mx was heard at 0525 it can be the Virgin Islands, but it is only 1 kW R. Súper, Bogotá, Colombia which is stronger here at night, much better than R. Continente Central, Maracay, also, only that during the day R. Península in Maicao is steady here.

980 On this frequency I have local HIFA, La Voz de las Fuerzas Armadas, but it has been off a long time. Station heard here late at night, sometimes fair, is Radio El Sol de Cali, Colombia.

990 Station heard here is "Mundial Tricolor", Barquisimeto, no doubt, very strong at night here, almost as a local. The only Dominican station on this frequency is R. Cibao in Santiago, and it does not operate in French or Creole. The only Dominican station which sometimes operates in Creole, due to its nearness to the border and the capital city of Port-au-Prince is R. Enriqueillo in Tamayo on 1020 kHz, moved from 1550.

1070 Yes, the current station heard in the evenings here is Emisora Atlántico, Barranquilla, and with a good signal, but late at night I can hear sometimes R. Santa Fé from Bogotá, and in the daylight one station you won't hear: HIBI Radio (the name of this station is pronounced as a word: "ee-bee Radio", no spelling out the call letters in this case. R. Mundial Zulia, Maracaibo, is not heard easily here, only sometimes.

1220 With local R. HIN off at 0230 on 12-14, the station heard was a Venezuelan with a local baseball game. At 0455, the ID'ed as "Mundial Valencia" with many ID's and then pop mx. Yes, there is a R. Reloj in Barranquilla, but too weak to reach here, in addition to my local R. with 25 (?) kW (I doubt that they use that power, but that is what they say). Checking again on 12-17 at 0200+, I heard the same ID, "Mundial Valencia", meaning that they belong to Cadena (Network) Mundial, and located at Valencia, with the program "Rumbo a la Medianoche" (Bound to Midnight), pop and romantic songs.

1540 Yes, R. Bahamas is on. Heard at 0218 on 12-15 with a speaker with greetings to listeners in Nassau and playing songs for them, loud and clear. Naturally the local station on this frequency was off at this time. "20 minutes after 9 o'clock": this is what the speaker said at the end of his talk at 0220, then a nice song sang by a man, never heard before. Yes, they are still on the air. Calypso mx at 0230

Well, that's all, folks, thanks for reading. Keep on tuning and reporting; I am here to help.



How to place mail orders ...

Write to NRC Publications - P. O. Box 164 - Mannsville, NY 13661-0164. Enclose check or money order; NY residents, add state and local taxes.

MWDX-5 Phasing Unit

Mark Connelly - WA1ION - 01 OCT 1991, updated 29 DEC 1991

The MWDX-5 phasing unit, like the earlier "MWDX" models, is used to create a phase shift between the signal contributions from two longwire antennae in order to null a dominant station (or noise source) which interferes with co-channel or nearby-channel DX stations. After creating such a null, the (formerly-covered) desired DX station(s) may often be heard clearly. Unlike a loop having a bidirectional null, the phasing unit's null is of a single direction nature. Therefore, a station to the west can be nulled and signals from the east will be received well.

At the end of this article is a list of recommended reading material which includes previous phasing unit designs. These works will do much to introduce phasing unit principles to the "uninitiated".

The MWDX-5 has as an advantage the ability to use both the series-tuned method of MWDX-1 and MWDX-2 (/2A/2B/2C) and the parallel-tuned method of (Mini-)MWDX-3 and MWDX-4(A,etc.) units. Longer wires usually work better with the series-tuned input arrangement (less signal loss) and shorter wires will only work with the parallel-tuned scheme. Refer to Figures 1A and 1B. (All figures are placed after the end of the article's text)

MWDX-5 incorporates the BBA-C broadband amplifier (as shown in my previous articles on the DCP-1 controller, RTL-1 loop and MWT-2 regenerative tuner). This amplifier has higher dynamic range than the BBA-B used on MWDX-4 style phasers. The older design BBA-B may be substituted for reduced battery drain; performance in rural areas will not differ greatly.

A plastic chassis box is used for MWDX-5. The big advantage to this is that the tuning capacitors can be "floated" from ground without any special insulating hardware. This keeps the size and cost of the unit reasonable. MWDX-5 has been designed with the essential features needed for medium-wave DXing. Two other members of the MWDX-5 "family" - the Mini-MWDX-5 and the Super-MWDX-5 - provide reduced and enhanced capabilities respectively. Separate articles will describe these units (not necessarily with complete construction details).

MWDX-5 Two Wire Phasing Procedure

Figures 2, 3, & 4 are the schematics of the MWDX-5. Please refer to them during this discussion of phasing procedure. A desired effect of two-wire phasing is to receive stations in the opposite direction of the station to be nulled out: this is something a

loop generally cannot do. Wires to be used should be at least 15m./50 ft. long. I have found that wires separated by 45 to 90 degrees work best at the shorter lengths (less than 50m./164 ft.). Layout of longer wires is less critical. Beverages can be in parallel or close to parallel; some have recommended that one be terminated and the other one floating; distance between two parallel Beverages should be at least 5m./16ft.

[See Table 8 for physical positioning of switches]

1.0 Phasing Steps (2-wire)

1.1 Set frequency-range switch S1 to the correct range for the frequency of operation (see Table 2). Set length switch S2 to Normal. Set Line 1 function switch S3 to Tuned; set Line 2 function switch S4 to Tuned. Null-mode switch S5 may be put in either position: it doesn't matter yet. Set amplifier switch S6 to Off.

1.2 Set Q-balance pot R1 to fully counterclockwise (CCW) = maximum resistance shunting C1. Set level pot R2 to fully CCW (maximum resistance arm to ground).

1.3 Connect longwire #1 to J1 and connect longwire #2 to J2. Connect earth ground, if available, to J3 or J4. Connect phaser's output (J5), via coaxial cable, to the input of the receiver to be used, or to a tunable preamp. between phaser and receiver. Connect a 9V battery to the J7 battery holder and plug P1 into J6, or connect the plug of an 8V to 15V DC power source to J6.

1.4 Tune Line 1 by peaking desired-frequency signal strength with C1. At this time, leave C1 at its peaked-signal position.

[At this time, other positions of length switch S2 (Short, Long, Terminated) can be tried to see if greater signal transfer is possible. Re-adjustment of C1, and possibly S1, may be needed to re-establish a peaked condition. In any event, the peak should have reasonable Q (be well defined) and C1 should not be set too close to fully CW or fully CCW. In most cases, S2 on Normal will provide good enough signal levels and reasonably sharp tuning not overly affected by differences in length between the two wires to be phased.]

1.5 Turn R1 to fully clockwise (CW). Tune Line 2 by peaking desired-frequency signal strength with C2. At this time, leave C2 at its peaked-signal position.

1.6 Set S5 to Null-a. Adjust R1 to search for a null of the dominant ("pest") station or noise. Try this again with S5 set to Null-b. Leave S5 on the position yielding the better-defined null

(or if nulls were obtained both ways, put S5 on the position which gave a null with R1 set closer to its center position). Set R1 to the null-yielding position.

If a null was not found by adjusting R1, or if the final R1 setting is fully CW or fully CCW, do step 1.7 - otherwise skip to step 1.8a/b.

1.7 Adjust R1 so that the signal level observed with (S3 = Tuned & S4 = Off) is the same as that noted with (S3 = Off & S4 = Tuned). When this has been done, set both S3 and S4 to Tuned and then set S5 to the position (Null-a or Null-b) giving the greater reduction in signal level of the station to be nulled.

1.8a If R1 is at center, or CCW from center, adjust C1 then R1 alternately to improve the null until no further improvement can be accomplished. Then do the final null "touch-up" with an interactive adjustment of C2 and R1. <OR >

1.8b If R1 is CW from center, adjust C2 then R1 alternately to improve the null until no further improvement can be accomplished. Then do the final null "touch-up" with an interactive adjustment of C1 and R1.

1.9 If more gain is required, set S6 to Amplifier On and adjust R2, as required, to prevent overloading / spurs. Slight re-adjustment of C1, R1, and C2 may be needed to get the best possible null.

This guide to two wire phasing is a starting point. Often it takes experience to get the correct "feel" for a given nulling situation: experience that will allow the minimum number of control manipulations and the quickest route to the desired null. If signal levels are considerably different between Antenna 1 and Antenna 2, nulling is likely to be more difficult. Using wires of comparable lengths tends to minimize this problem.

2.0 Phasing Steps (Loop vs. Wire)

NOTE: Loop must be equipped with a Q-spoiling pot of 25K or 50K across its parallel-tuned LC tank. This will be called the "loop pot" for the purpose of this procedure. A loop used in a phasing application is usually oriented for best directivity toward desired DX signals, whether or not that position reduces the "pest" station.

2.1 Set frequency-range switch S1 to the correct range for the frequency of operation (see Table 2). Set length switch S2 to Normal. Set Line 1 function switch S3 to Tuned; set Line 2 function switch S4 to Off. Null-mode switch S5 may be put in either position: it doesn't matter yet. Set amplifier switch S6 to Off.

2.2 Set Q-balance pot R1 to fully counterclockwise (CCW) = maximum resistance shunting C1. Set level pot R2 to fully

CCW (maximum resistance arm to ground).

2.3 Connect longwire to J1 and connect the loop output to J2 (high) and J4 (ground). Connect earth ground, if available, to J3 or J4. Connect phaser's output (J5), via coaxial cable, to the input of the receiver to be used, or to an tunable preamp. between phaser and receiver. Connect a 9V battery to the J7 battery holder and plug P1 into J6, or connect the plug of a 8V to 15V DC power source to J6. Initially, turn off loop power.

2.4 Tune Line 1 by peaking desired-frequency signal strength with C1. At this time, leave C1 at its peaked-signal position.

2.5 Set S3 to Off. Set loop pot to maximum resistance position, set S4 to Bypass, turn loop power on, and peak the loop's output at the desired frequency.

2.6 Observe the strength of the dominant station (this is the signal from the loop). Then set S4 to Off and S3 to Tuned. Now the signal from the wire can be checked for strength.

2.7a If the signal from the wire exceeded that from the loop in Step 2.6, adjust R1 such that the strengths are closely matched (e. g. within 5 dB) if you compare observed strength (S3=Tuned/ S4=Off) vs. (S3=Off/S4=Bypass) as done in Step 2.6. <OR>

2.7b If the signal from the loop exceeded that from the wire in Step 2.6, adjust the loop pot so that the strengths are closely matched when you compare observed strength (S3=Tuned/ S4=Off) vs. (S3=Off/S4=Bypass) as done in Step 2.6.

2.8 Set S5 to Null-a (up); then set S5 to Null-b (down). Leave S5 on the position yielding the better null of the dominant ("pest") station or noise.

2.9a If R1 had been adjusted to equalize strengths (Step 2.7a), adjust R1 and the loop tuning capacitor alternately to improve the null until no further improvement can be accomplished. Then do the final null "touch-up" with an interactive adjustment of C1 and R1. <OR >

2.9b If the loop pot had been adjusted to equalize strengths (Step 2.7b), adjust the loop pot and C1 alternately to improve the null until no further improvement can be accomplished. Then do the final null "touch-up" with an interactive adjustment of the loop tuning capacitor and the loop pot.

2.10 If more gain is required, set S6 to Amplifier On and adjust R2, as required, to prevent overloading / spurs. Touching up the loop's position may be done to get the best final null.

2.11 (NOTE) Different S2 length switch positions (other than Normal) may provide more efficient coupling and/or sharper tuning in some circumstances.

Table 1: MWDX-5 Controls and Input / Output Connectors

Controls location	designation	operational description
top	C1	Line 1 tuning capacitor
top	C2	Line 2 tuning capacitor
top	R1	Q-balance pot
top	R2	Output level pot
top	S1	Bandswitch
top	S2	Length (coupling) switch
top	S3	Line 1 Function switch
top	S4	Line 2 Function switch
top	S5	Phase-reverse (Null A/B) switch
top	S6	Amplifier on/off switch

Input / Output Connectors

location	designation	operational description / connector type
left side	J1	Line 1 wire input banana jack
left side	J2	Line 2 wire input banana jack
left side	J3	earth ground input 1 banana jack
left side	J4	earth ground input 2 banana jack
right side	J5	RF output BNC jack
right side	J6	B+ in phono jack
right side	J7	9V battery holder Keystone 1290

Table 2: S1 Bandswitch Settings Chart

(Ranges are usually a bit greater than those shown.)

S1 Position #	S1 Knob "o'clock"	Min. Freq. kHz	Max. Freq. kHz	Tank Inductor Values			
				"Main" L #	"Tap" L #	uH	uH
[S2 on Short or Normal: Aerial < 60 m. / 200 ft.]							
1	10:30	400	590	L1/9	470	L5/13	100
2	11:30	590	830	L2/10	220	L6/14	47
3	12:30	830	1230	L3/11	100	L7/15	22
4	1:30	1230	1750	L4/12	47	L8/16	10
[S2 on Long or Terminated: Aerial > 30 m. / 100 ft.]							
1	10:30	750	1050	L1/9	470	L5/13	100
2	11:30	1050	1550	L2/10	220	L6/14	47
3	12:30	1550	1850	L3/11	100	L7/15	22
4	1:30	1850	2700	L4/12	47	L8/16	10

Building the MWDX-5 Phasing Unit

The documentation (schematics, assembly drawings, parts lists, hole lists, etc.) serves as the starting point. The following procedure should serve as an outline for the builder.

1. Gather all necessary parts (see parts lists to follow). Prepare work area with appropriate tools.
2. Drill out chassis box, in accordance with Table 3.
3. Assemble each of the two circuit card subassemblies, per references listed at the end of this article:

- * TA1 Phase Reversing Transformer Card
- * A1 BBA-C Broadband Amplifier Card

4. Mount each of the circuit cards at the hole locations noted in Table 3.
5. Install jacks, pots, and switches. Solder inductors onto S1 per Figure 3 and Tables 2 & 4.

6. Install wiring and other components per Figures 2, 3, 4, 5 and Tables 1, 3-7. Install knobs on C1, C2, R1, R2, S1, and S2. Place labels near controls and jacks.

7. Follow Two-Wire Phasing Procedure or Loop-vs.-Wire Phasing Procedure steps previously given in this article.

Table 3: MWDX-5 hole-drilling list

X = Horizontal distance, in inches, from the vertical centerline (VCL) on the side observed. Negative values of X are left of VCL, positive values of X are right of VCL.

Y = Vertical distance, in inches, from the bottom horizontal edge of the side observed.

D = Hole diameter in inches.

Hole loci are first marked on the box with a scribe and are then drilled with a .125" bit. Subsequently, as required, the holes are enlarged to the proper size by using progressively larger bits up to that corresponding to the final desired diameter.

Chassis Box = Radio Shack 270-224 (plastic): 7.5" X 4.25" X 2.25"

LEFT SIDE

Hole #	Comp. Desig.	Description	X	Y	D
1	J1	Line 1 RF in-red banana jack	-1.125	0.5	0.3125
2	J3	GND1 In - black banana jack	-0.375	0.5	0.3125
3	J4	GND2 In - black banana jack	0.375	0.5	0.3125
3	J2	Line 2 RF in-red banana jack	1.125	0.5	0.3125

TOP SIDE

Mounting holes on C1 & C2 must be tapped to 6-32 thread.

Hole #	Comp. Desig.	Description	X	Y	D
1	C1	Line 1 Tuning Cap.-Mtg.H/W 1	-2.963	3.3125	0.144
2	C1	Line 1 Tuning Cap. - shaft	-2.5	3.0625	0.5
3	C1	Line 1 Tuning Cap.-Mtg.H/W 2	-2.037	3.3125	0.144
4	C2	Line 2 Tuning Cap.-Mtg.H/W 1	-2.963	1.5	0.144
5	C2	Line 2 Tuning Cap. - shaft	-2.5	1.25	0.5
6	C2	Line 2 Tuning Cap.-Mtg.H/W 2	-2.037	1.5	0.144
7	S1	Bandswitch - tab	-1.375	3.125	0.144
8	S1	Bandswitch - shaft	-0.875	3.125	0.375
9	S2	Length switch - tab	-1.375	1.125	0.144
10	S2	Length switch - shaft	-0.875	1.125	0.375
11	S3	Line 1 Function switch-shaft	0.5	1.0	0.25
12	S3	Line 1 Function switch- tab	0.5	0.75	0.144
13	S4	Line 2 Function switch-shaft	1.375	1.0	0.25
14	S4	Line 2 Function switch- tab	1.375	0.75	0.144
15	R1	Q-balance pot - tab	0.1875	2.375	0.144
16	R1	Q-balance pot - shaft	0.5	2.375	0.3125
17	R2	Output level pot. - tab	1.3125	2.375	0.144
18	R2	Output level pot. - shaft	1.625	2.375	0.3125
19	S6	Amplifier On/Off switch- tab	2.625	2.875	0.144
20	S6	Amplifier On/Off switch-shaft	2.625	2.625	0.25
21	S5	Null A/B switch - tab	2.625	2.125	0.144
22	S5	Null A/B switch - shaft	2.625	1.875	0.25
23	TA1	PhaseRev.TransformerCard-H/W1	2.125	1.0	0.125
24	TA1	PhaseRev.TransformerCard-H/W2	2.925	1.0	0.125

FRONT SIDE

Hole #	Comp. Desig.	Description	X	Y	D
1	G1	grounding H/W - internal lug	-2.375	0.375	0.125
2	G2	grounding H/W - internal lug	2.375	0.375	0.125

Are you expiring?

We hope not! To avoid expiration, mail your remittance to the DX News Membership Center early. Allow at least three weeks after mailing your check or money order for new renewal data to appear on your DXN mail label.

+++++

REAR SIDE

[Note: - (left) X of rear side is equiv. to + (right) X of top and front sides.]

Hole #	Comp. Desig.	Description	X	Y	D
1	A1	Broadband Amp. Card-H/W 3	-2.25	1.375	0.125
2	A1	Broadband Amp. Card-H/W 1	-2.25	0.375	0.125
3	A1	Broadband Amp. Card-H/W 4	-1.25	1.375	0.125
4	A1	Broadband Amp. Card-H/W 2	-1.25	0.375	0.125

RIGHT SIDE

Hole #	Comp. Desig.	Description	X	Y	D
1	J6	B+ input - phono jack	-1.0	0.5	0.25
2	J5	RF out - BNC jack	0.0	0.5	0.375
3	J7	battery holder - H/W 1	0.625	0.5	0.125
4	J7	battery holder - H/W 2	1.5	0.5	0.125

Table 4: "upper level" parts list

Vendor codes for this and subsequent parts lists:

AE = Antique Electronics	/688 W. First St. /Tempe, AZ 85281 /Tel. 1-602-894-9503
DK = Digi-Key	/P. O. Box 677 /Thief River Falls, MN 56701-0677 /Tel. 1-800-344-4539
MCL = Mini-Circuits Lab.	/ P. O. Box 350166 / Brooklyn, NY 11235-0003 /Tel. 1-718-934-4500
MOU = Mouser Electronics	/ 11433 Woodside Ave. / Santee, CA 92071 /Tel. 1-800-346-6873
RS = Radio Shack	/ Many locations worldwide

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	-	chassis box	RS	270-224	1
2	A1	BBA-C broadband amp. card (refer to text)	MOU	45KN013	4
3	(for C1,C2,R1,R2)	knob	RS	274-416	2
4	(for S1,S2)	knob	RS	274-416	2
5	B1	9V alkaline battery	RS	23-553	1
6	C1,C2	variable cap., 10-365pF	AE	CV-235	2
7	C3,C4,C9	capacitor, 0.1 uF	RS	272-109	3
8	C5,C6	capacitor, 100 uF	MOU	21CB100	2
9	C7,C8	capacitor, 36 pF	MOU	21CB036	2
10	C10	capacitor, 0.001 uF	RS	272-126	1
11	J1,J2	red banana jack	RS	274-662	2
12	J3,J4	black banana jack	RS	274-662	2
13	J5	BNC jack	RS	278-105	1
14	J6	phono jack	RS	274-346	1
15	J7	battery holder (Keystone 1290)	MOU	534-1290	1
16	L1,L9	inductor, 470 uH	MOU	43LR474	2
17	L2,L10	inductor, 220 uH	MOU	43LR224	2
18	L3,L5,L11,L13	inductor, 100 uH	MOU	43LR104	4
19	L4,L6,L12,L14	inductor, 47 uH	MOU	43LR475	4
20	L7,L15	inductor, 22 uH	MOU	43LR225	2
21	L8,L16	inductor, 10 uH	MOU	43LR105	2
22	P1	phono plug	RS	274-339	1
23	R1	pot., 50K, linear	MOU	31CT405	1
24	R2	pot., 1K, linear	MOU	31CT301	1
25	R3,R4	resistor, 470 ohm	RS	271-1317	2
26	R5,R6	resistor, 100 ohm	RS	274-1311	2
27	R7,R8	resistor, 4.7 ohm	MOU	29SJ500-4.7	2
28	R9	resistor, 1 ohm	MOU	29SJ500-1.0	1
29	S1,S2	switch/6pole/4pos. rotary	MOU	10WR064	2
30	S3,S4	switch, DPDT, on-off-on	RS	275-620	2

(Table 4 - continued)

31	S5	switch, DPDT, on-on toggle	RS	275-636	1
32	S6	switch, 3PDT, on-on toggle	MOU	10TC280	1
33	TA1	phase-rev. transformer (see Table 6)			1

Misc. items: hook-up wire, buss wire, solder, labels "AS REQUIRED"
+++++

Table 5: TA1 phase-reversing transformer card parts list
See Table 4 for vendor codes.

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	-	perfboard (0.6" x 1.2")	RS	276-1396 (cut)	1
2	H1,H2	screw, 4-40 x .25"	MOU	572-01880	2
3	H1,H2	spacer, 4-40 x .5"	MOU	534-1450C	2
4	H1	split lockwasher, #4	MOU	572-00649	1
5	H2	solder lug, #4	MOU	534-7311	1
6	P1-P4	flea-clip for .042 hole	MOU	574-T42-1/100	4
7	T1	RF transformer, 1:1	MCL	T1-6-X65	1

Table 6: small hardware parts list
See Table 4 for vendor codes.

Note: Mounting hardware is supplied with the following components: J1, J2, J3, J4, J5, R1, R2, S1, S2, S3, S4, S5, S6. A lug is added to the normal J5 hardware. Also, hardware is required by the following component designators: A1, C1, C2, G1, G2, J7, and TA1.

Used on	Description/Value	Vendor	Vendor Stock #	QTY
J5(1)	solder lug, .375" ID	DK	ARF1068-MD	1
A1(4), G1(1), G2(1), J7(2), TA1(2)	screw, 4-40 x .25"	MOU	572-01880	10
C1(2), C2(2)	screw, 6-32 x .25"	MOU	572-01888	4
A1(4), TA1(2)	split lockwasher, #4	MOU	572-00649	6
C1(1), C2(1)	split lockwasher, #6	MOU	572-00650	2
C1(1), C2(1)	solder lug, #6	MOU	534-7312	2
G1(1), G2(1)	solder lug, #4	MOU	534-7311	2
G1(1), G2(1)	hex nut, 4-40	MOU	572-00486	2

Table 7: wiring / component connections

Notes: I = insulated wire, approx. #22 AWG
B = bare solid (buss) wire

Lengths are maximum typical required amount; in actual practice, use the shortest length possible to minimize stray coupling.

Use "spaghetti" (slip-on insulation) on component leads of over 0.5", as required, to prevent shorting to other leads. In some cases, component leads may have to be lengthened by adding buss wire to them.

OUTSIDE BOX	From	To	Description
wire #			
1	J7 + terminal pin	P1 plug - center pin	2" I
2	J7 - terminal pin	P1 plug - shield pin	2" I
		[P1 connects to J6]	

NRC FM
Radio Log

1991

NRC FM Radio Log - Now only \$12.00

Includes listing by frequency, call letters, city/state - with locations, antenna height (in feet), horizontal/vertical power, address, stereo information, formats, networks, and construction permit information. Over 300 pages in three-hole punched 8.5 x 11" size. Order from NRC Publications; NY orders, add sales tax.

INSIDE BOX

wire #	From	To	Description
	[J1 = C3 side A]		
	[J2 = C4 side A]		
3	C3 side B	S3B "Bypass"	4" I
4	C4 side B	S4A "Tuned"	4" I
5	J3	J4	1" B
6	J4	G1 internal GND lug	2.5" I
7	G1 internal GND lug	G2 internal GND lug	5" B
	[Wire #7 is hereafter identified as GND BUSS.]		
8	C1 rotor (added lug)	S2B arm	4" I
9	C1 stator	jct. C5 side B/C7 side B	2" I
	[S2A "Normal" = C7 side A]		
	[S2A "Short" = C5 side A]		
10	C1 stator	S1A arm	3" I
11	C2 rotor (added lug)	S2D arm	3" I
12	C2 stator	jct. C6 side B/C8 side B	2" I
	[S2C "Normal" = C8 side A]		
	[S2C "Short" = C6 side A]		
13	S1C arm	jct. C6 side B/C8 side B	2" I
14	S1C arm	R1 CCW	3" I
15	S1A arm	R1 CW	3" I
16	S1B arm	S1D arm	1" I
17	S1B arm	R1 arm	3" I
	[S1A position 1]	"S1 OUT#1" node	L1]
	[S1A position 2]	"S1 OUT#1" node	L2]
	[S1A position 3]	"S1 OUT#1" node	L3]
	[S1A position 4]	"S1 OUT#1" node	L4]
	[S1B position 1]	"S1 OUT#1" node	L5]
	[S1B position 2]	"S1 OUT#1" node	L6]
	[S1B position 3]	"S1 OUT#1" node	L7]
	[S1B position 4]	"S1 OUT#1" node	L8]
	[S1C position 1]	"S1 OUT#2" node	L9]
	[S1C position 2]	"S1 OUT#2" node	L10]
	[S1C position 3]	"S1 OUT#2" node	L11]
	[S1C position 4]	"S1 OUT#2" node	L12]
	[S1D position 1]	"S1 OUT#2" node	L13]
	[S1D position 2]	"S1 OUT#2" node	L14]
	[S1D position 3]	"S1 OUT#2" node	L15]
	[S1D position 4]	"S1 OUT#2" node	L16]
18	"S1 OUT#1" node	S3B "Tuned"	3" I
19	"S1 OUT#2" node	S4B "Tuned"	4" I
20	R1 arm	GND BUSS	4" I
21	S2D "Short"	S2D "Normal"	0.5" B
22	S2D "Normal"	GND BUSS	1.5" I
23	S2D "Long"	S2D "Terminated"	1" I
24	S2C arm	S2D "Long"	2" I
25	S2B "Short"	S2B "Normal"	0.5" B
26	S2B "Normal"	GND BUSS	1" B
27	S2B "Long"	S2B "Terminated"	0.5" B
28	S2A arm	S2B "Terminated"	1" I
	[S2A "Terminated"	GND BUSS	R5]
	[S2C "Terminated"	GND BUSS	R6]
29	S2A arm	S3A arm	2" I
30	S2C arm	S4A arm	2.5" I
31	S3B "Bypass"	S3A "Tuned"	1" I
32	S3A "Bypass"	R3 side A	1" I
	[R3 side B = GND BUSS]		
33	S3B arm	R7 side A	2" I
	[R7 side B = R2 CCW]		
34	S4A "Tuned"	S4B "Bypass"	1" I
35	S4A "Bypass"	R4 side A	1" I
	[R4 side B = GND BUSS]		
36	S4B arm	TA1 in	2" I
37	R2 arm	S6A arm	1" I
38	R2 CW	GND BUSS	3" I
39	S5A "Null-a"	R8 side A	1.5" I
	[R8 side B = R2 CCW]		
40	S5A "Null-a"	S5B "Null-b"	1" I
41	S5A arm	TA1-out 'b'	2" I
42	S5B arm	TA1-out 'a'	2" I
43	S5A "Null-b"	S5B "Null-a"	1" I
44	S5B "Null-a"	TA1-GND pin	1" B
45	TA1 GND lug	G2 internal GND lug	2" I
46	S6A "Amplifier On"	A1-P1	2" I
	[S6A "Amplifier Off"	S6C "Amplifier Off"	C9]

(Table 7 - continued)

47	S6B arm	A1-P3	2" I
48	S6B "Amplifier On"	C10 side A & R9 side A	3" I
	[C10 side B = J6 GND lug]		
	[R9 side B = J6 center pin]		
49	S6C arm	J5 center pin	2" I
50	S6C "Amplifier On"	A1-P5	2" I
51	A1 GND lug	J5 GND lug	4" I
52	J5 GND lug	J6 GND lug	1" B
53	J6 GND lug	G2 internal GND lug	2" I

Table 8: control orientation conventions

Ensure that components are mounted and wired in accordance with this table; align knob pointers to clock positions indicated. Orientations are as viewed from outside the chassis box assembly.

Side	Control	Orientation Conventions
====	=====	=====
top	C1	CCW = minimum C = maximum freq. = 9:00 CW = maximum C = minimum freq. = 3:00
top	C2	CCW = minimum C = maximum freq. = 9:00 CW = maximum C = minimum freq. = 3:00
top	R1	CCW = min. Q Line 2 / max. Q Line 1 = 7:00 CW = min. Q Line 1 / max. Q Line 2 = 5:00
top	R2	CCW = maximum output level = 7:00 CW = minimum output level = 5:00
top	S1	[see Table 2]
top	S2	"Short" = 10:30; "Normal" = 11:30; "Long" = 12:30; "Terminated" = 1:30
top	S3	"Tuned" = up; "Off" = middle; "Bypass" = down
top	S4	"Tuned" = up; "Off" = middle; "Bypass" = down
top	S5	"Null-a" = up; "Null-b" = down
top	S6	"Amplifier on" = up; "Amplifier off" = down

Supplementary Articles and Publications

Additional information on construction practices and DX-related circuit design may be obtained from the following:

(* = NRC / IRCA reprints)

The Beverage Antenna Handbook - Victor A. Mizek - 1987

The DCP-1 Dual Controller / Phaser - Mark Connelly - 30 JUL 1991 (phasing active, remotely-tuned antennae)

The RTL-1 Remotely-Tuned Loop - Mark Connelly - 03 JUL 1991 Includes schematic and parts list for EBA-C amplifier card.

LIL-3 - Dallas Lankford - APR 1991 (loop vs. wire phasing)

The MWT-2 Regenerative Tuner - Mark Connelly - 10 DEC 1990 (construction practices)

* Phasing Unit Designs: Simple vs. Complex - Mark Connelly - 20 MAR 1990 (discussion of phasing principles)

* Micro-MWDX-4A Loop vs. Wire Phaser - Mark Connelly - 15 MAR 1989 (loop vs. wire phasing principles)

* LIL-1 - Dallas Lankford - 14 FEB 1989 (loop vs. wire)

* Phase One - Gerry Thomas - 1988 (a delay-line phasing unit)

* MWDX-4 and Mini-MWDX-4 series Phasing Units - Mark Connelly - 11 OCT 1985 (Includes schematic and parts list for TAI phase-reversing transformer card. Also shows BBA-B amp. card which may be used for A1 in place of BBA-C.)

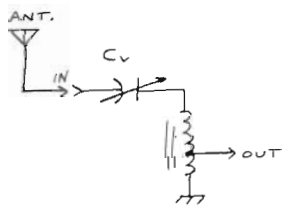
* The Mini-MWDX-3: A Simple, Effective Phasing Unit - Mark Connelly - 5 DEC 1984 (construction practices)

- The following articles describe series-tuned phasers:
- * MWDX-2B & MWDX-2C Phasers - Mark Connelly - 11 FEB 1985
 - * The MWDX-2A Phasing Unit - Mark Connelly - 25 JUN 1984
 - * The MWDX-2 Phasing Unit - Mark Connelly - 10 JAN 1984
 - * Modular Phasing Systems - Mark Connelly - 1983
 - * Amplified Phased Shortwires - Mark Connelly - 1982
 - * Phasing Unit Construction & Use (MWDX-1) - Mark Connelly - 23 NOV 1981
 - * Practical Phased Beverages - Chuck Hutton - 1981

Some of the articles include further lists of reference material which may also be of value.

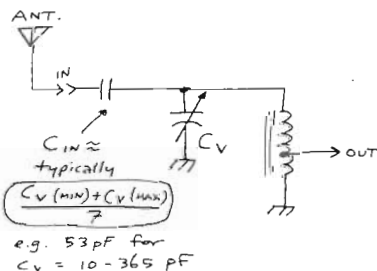
FIGURE 1: TUNING CONFIGURATIONS

1A: SERIES-TUNING



USED FOR LONGER WIRES

1B: PARALLEL-TUNING



USED FOR SHORTER WIRES

The Challenging Crystal Set

For hobbyists demanding the ultimate DX challenge, Ray Cole's publication detailing step-by-step procedures in building a crystal set is for you! Only \$3.00 ... order from the Publications Center. (NY residents, add sales tax)

AM Radio Station Maps

by Bill Hale

Complements the NRC AM Radio Log. Large type ... maps show location of stations ... easy to keep up-to-date. Now priced at \$8.00. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.



FIGURE 5: PHYSICAL LOCATIONS OF ARMS OF ROTARY SWITCHES S1 & S2

NOTES: VIEW IS LOOKING INTO BOTTOM (BACK) OF BOX WITH COVER REMOVED. DESIGNATIONS IN PARENTHESES - E.G. (S1B) - ARE ON THE SWITCH WAFER CLOSER TO THE INNER SURFACE OF THE BOX, THOSE NOT IN PARENTHESES - E.G. S1A - ARE ON THE WAFER CLOSER TO THE VIEWER LOOKING INTO THE BOX WITH THE COVER REMOVED.

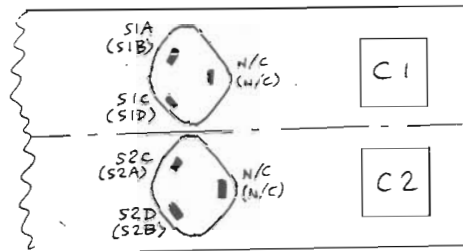
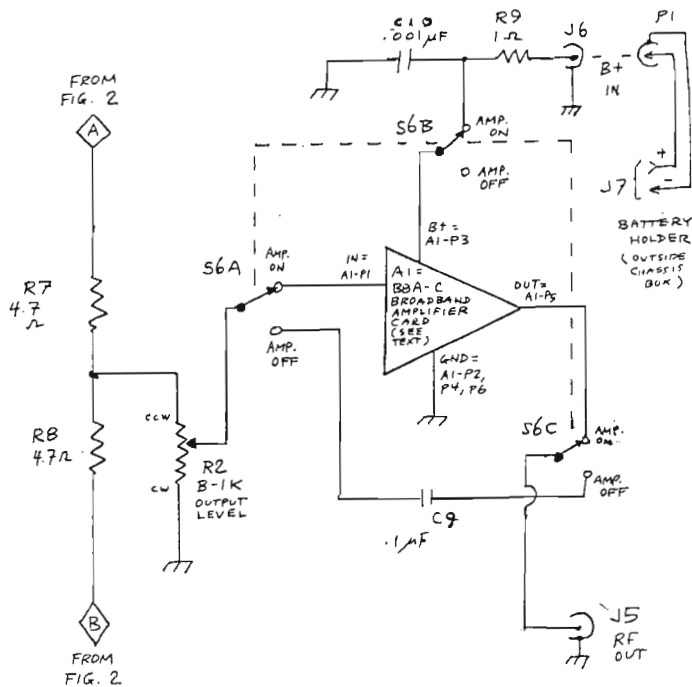


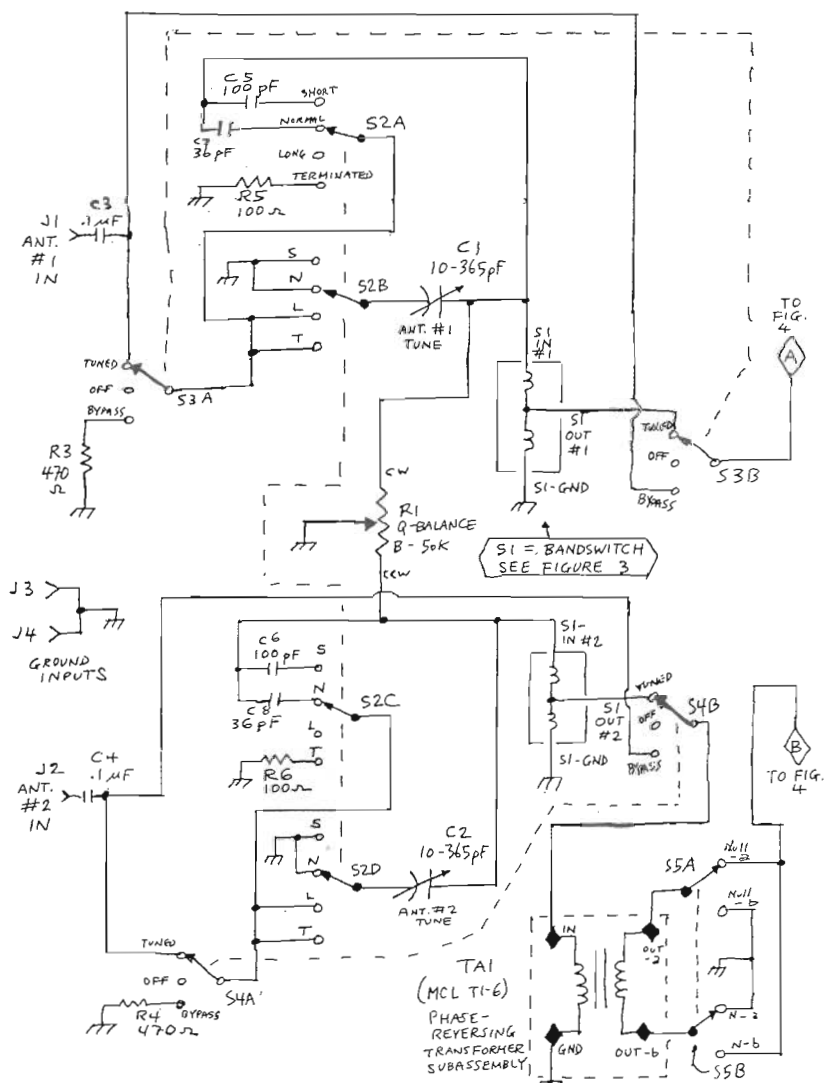
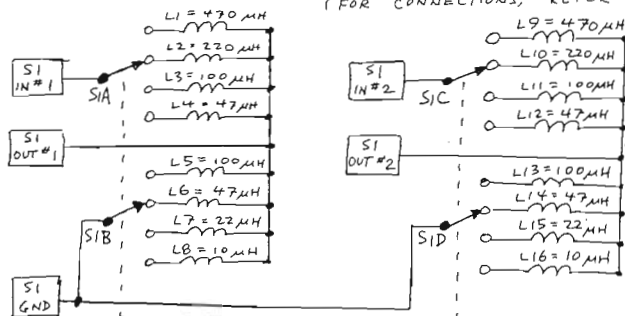
FIGURE 4: OUTPUT SECTION OF MWDX-5 PHASER



Need more information about Medium Wave DX'ing?

Mail \$1.00 to NRC Publications - P. O. Box 164 - Mannsville, NY 13661-0164, and ask for the Reprints Catalog.

FIGURE 2 : INPUT SECTION OF MWDX-5 PHASER

FIGURE 3 : S1 BANDSWITCH FOR MWDX-5
(FOR CONNECTIONS, REFER TO FIGURE 2.)

Formats

Tony Fitzherbert

356 Jackman Avenue
Fairfield, CT 06430-1728

Changes in programming status; reported by listeners

Eric Bueneman notes that a new abbreviation is making the rounds in the radio business. It is CCM for contemporary Christian music, as differed from paid religion, Black gospel, etc. Talk about "narrowcasting"!!!! Eric also brings us up to date with a Dial Scan from St. Louis and Clayton (right up the hill from the Arch!), and what you will hear when standing on Peachtree Street in Atlanta. Before we get to our format changes, who can send along Dial Scans for Seattle, Portland, Fairbanks, Anchorage, Phoenix, Tucson, and the Dakotas (North and South)? We rarely hear from these areas. Our contributors are The M Street Journal and Eric Bueneman.....

540	WGTO FL	Pine Hills	- Unis. oldies (M).
620	WTRP GA	LaGrange	- News, talk, sports (M).
620	WDNC NC	Durham	- News, talk (M).
790	WWKY KY	Louisville	- All talk (M).
860	WDMG GA	Douglas	- SMN AC//FM (M).
870	KPRM MN	Park Rapids	- SMN CWM (M).
880	WBKZ GA	Jefferson	- Urban contemporary (M).
970	KSYL LA	Alexandria	- News, talk, BRN, EFM (M).
980	WILK PA	Wilks Barre	- News, sports, talk (TF).
1030	WBZ MA	Boston	- AM and PM drive news blocks, otherwise news and talk (TF).
1090	WCAR MI	Livonia	- From (M), this 250 watt, 10 tower teapot (which broadcasts Detroit Economic Club meetings during AM drive) adds BRN Business News to its brokered compendium of everything (TF)!!
1130	WSJP KY	Murray	- CWM, Rock Friday and Saturday nights "Club 1130" (EB).
1140	KPRW OK	Oklahoma City	- Rock//FM (M).
1220	KQMG IA	Independence	- SMN Pure oldies //FM (M).
1220	KGIR MO	Cape Girardeau	- SMN Stardust (EB).
1230	WHOD AL	Jackson	- Classic rock // FM (M).
1230	WISP NC	Kinston	- SMN UC//FM (M).
1280	KDKD MO	Clinton	- Sun Talk, news (M).
1290	KMEN CA	San Bernadino	- All sports (M). Look at call (TF).
1290	WIRL IL	Peoria	- Oldies (M).
1290	CJBK ON	London	- Oldies (M).
1310	WDXI TN	Jackson	- BRN Business News, Talknet (M).
1320	WAMR FL	Venice	- Talk, Sun Talk (M).
1320	WJJS VA	Lynchburg	- To be WXYU, SMN CWM (M).
1330	WYPC OH	Wellston	- Unis standards (M).
1340	WWPZ MI	Petersky	- SMN Standards (M).
1360	WCHL NC	Chapel Hill	- BRN Business News (M).
1370	WDEF TN	Chattanooga	- EZL//FM (M).
1380	WCQL NH	Portsmouth	- All sports (M).
1400	WNEZ GA	Macon	- Adult standards (M).
1410	KCFD MN	Litchfield	- Full service oldies (M).
1440	WPRD FL	Winter Park	- News, Sun talk (M).
1480	WABB AL	Mobile	- News, talk, BRN Business (M).
1590	CJRS PQ	Sherbrooke	- French AC//FM (M).

And we now join Eric Bueneman in St. Louis, under the Arch, radio in hand for....

...A Dial Scan of St. Louis Radio

550	KUSA MO	St Louis	- CWM "Classic Country 55".
630	KXOK MO	St Louis	- Black AC/Jazz "Soul 63".
690	KSTL MO	St Louis	- Religion in the AM, Spanish in the PM, some polkas.
770	WEW MO	St Louis	- BBD, "Big Band Radio 77".
850	KFUO MO	Clayton	- Locally produced religion, "Good News Radio".
920	WGNU IL	Granite City	- Variety/talk, Tom Snyder at night.
1010	KXEN MO	St Louis/Festus	- Christian information "The Spirit of 1010".
1120	KMOX MO	St Louis	- News/talk, sports, EZL, BBD some Saturdays, "The Voice of St. Louis".
1320	KSIV MO	Clayton	- Christian information "Christian Radio - AM 1320".
1380	KASP MO	St Louis	- Ex-KGLD, now all sports, thus the call!
1430	WRTH MO	St Louis	- Unistar NOS/AC "1430 Worth".



1490 WESL IL East St. Louis - Black gospel/CCM, "Power 14.9" (14.9..like an FM station???)
 1600 KATZ MO St Louis - UC/Oldies, Black Gospel on Sundays, "The Legendary AM 16".

And now with Eric, radio and foam rubber tomahawk in hand to Atlanta for....

..a Dial Scan of radio licensed to the City of Atlanta.

590 WKHX - Atlanta - CWM/Sports//FM "Kicks 101.5".
 640 WGST - Atlanta - News/talk/sports, Hawks BKB, Braves BB, "Newsradio 64".
 680 WCNN - North Atlanta - CNN Headline News, sports byline 2200-0100.
 750 WSB - Atlanta - News, talk, Falcons FB, U of Ga, "News-Talk Radio AM 750".
 790 WQXI - Atlanta - Unistar NOS/AC, NBC, Talknet.
 860 WAEC - Atlanta - CCM, WSB TV News 1800-1900, "Love 86".
 820 WAFS - Atlanta - Moody religion.
 970 WNIV - Atlanta - CCM "AM 970".
 1010 WGUN - Atlanta/Decatur - Southern Gospel, Ludlow Porch 0900-1200 (long time ex-WSB talk show host - institution in Atlanta), "AM 1010".
 1190 WGKA - Atlanta - Classical, Ethnic, U of NC Sports, "The Voice of the Fine Arts".
 1340 WIGO - Atlanta - UC/Oldies "Classic Soul 1340".
 1380 WAOK - Atlanta - Black gospel/talk, "1380 WAOK".
 1480 WYZE - Atlanta - Black variety, "The Wise Old Radio Station".

And, thank you, Eric, for the Dial Scans. Any other Dial Scans will be greatly appreciated by all of us. And thanks to Eric and M Street Journal for this column. And for everyone else, send your contributions along!!!!

73's

73's

For Beginners

Jack Woods - P. O. Box 1003
 Waldport, OR 97394-0514
 Mike Hawk - 10212 P St.
 Omaha, NE 68127-2130

Information and advice of interest to inexperienced DX'ers

Few issues of DX News go to print without some mention of the name "Beverage". The purpose of this "For Beginners" article is to present some basic facts about the Beverage antenna and also about another antenna which is useful for medium-wave DXing in some situations; the "active antenna".

The Beverage Antenna Harold H. Beverage, RCA Engineer, installed an antenna seven miles long, about 18 feet above the ground, approximately aligned with the great circle path to Western Europe. The place was on Long Island, New York, and the time was about 1920. The purpose of the antenna was to receive low frequency radio telegraph signals from England, France, Germany, and Norway. The antenna was a success and was reported by Beverage to the American Institute of Electrical Engineers at a meeting in New York in 1923.

Beverage found that the antenna was efficient for receiving stations located in either direction in which the wire pointed. It would discriminate against the signals coming in from directions other than in-line with the wire. When the end of the antenna nearest the desired transmitter was grounded through a suitable resistance, and a receiver was connected through a matching arrangement at the other end, the Beverage became an efficient unidirectional receiving antenna. The Beverage differs from most antennas in that its operation depends on ground losses. The poorer the conductive properties of the ground under the antenna, the stronger the antenna output signal will be. This is because the incoming radio wave front, vertical to the ground, is tilted forward due to the losses in poorly-conducting ground. Then, as the wave sweeps lengthwise along the Beverage antenna, the magnetic lines of force cross the wire (at a small angle) and induce a voltage in the wire. This is roughly equivalent to physically tilting the antenna by raising one end higher above the ground than the other, if the radio wave front were not tilted. The Beverage is a broadband antenna with length not critical. It should be at least a half wavelength long (at 540 khz,

about 912 feet). Greater length will give sharper directivity and greater signal output. The height of the antenna above ground is not critical. Obviously, it should be high enough to avoid entangling people and livestock. When correctly set up and operated, Beverage antennas can give excellent results. See Mark Connelly's article "Newfoundland DXpedition: November 1991" in DX News for December 16, 1991. See the NRC Product Catalog for more Beverage information.

The Active Antenna An active antenna is a combination receiving antenna and amplifier. The typical arrangement is a small weatherproof broadband amplifier module on which is mounted a telescoping whip antenna. The amplifier output is fed to an indoor control/power supply unit through coaxial cable, which also carries the direct current required to power the amplifier. The purpose of the active antenna is to provide an outdoor antenna approximately equal in performance to a longwire, in situations where a conventional longwire antenna cannot be installed.

Active antennas are produced by several manufacturers, both foreign and domestic and generally will do what they are designed to do. Frequency coverage is usually from below the medium-wave band to about 30 Mhz. Provision is made for installing the antenna vertically, horizontally, or at some angle between. Horizontal installation usually results in less pickup of radio noise than does vertical. Active antennas are effective for short-wave listening, but their effectiveness for medium-wave DXing is limited. If circumstances permit, a conventional longwire antenna installed away from radio noise sources would be a better choice. This is because the active antenna, like most other amplifiers, will generate some noise and can be overloaded.

A potential problem with active antennas exists at locations with local medium-wave broadcast stations. Excessively high signals can result in overload of the receiver with resulting degraded receiver performance. Some active antennas contain circuitry designed to reduce that effect, however. If you operate your receiver in a frame building with reasonable freedom from radio noise, a loop antenna will outperform an active antenna for medium-wave DXing.

A beneficial arrangement for the medium-wave DXer who considers an active antenna would be to have a trial period before final decision to purchase. MFJ Enterprises, Inc., which builds the MFJ-1024 Active Antenna, allows the antenna to be returned for refund, less shipping costs, within 30 days of purchase, if purchased directly from the factory. The MFJ-1024 was reviewed in the 1985 World Radio TV Handbook. That book is probably available through your public library. Please remember that mention of a commercial product in this column does not imply a recommendation to buy. It is only for information. We may refer the reader to an existing review of a product.

For about a year I used a Sony AN-1 Active Antenna installed on the end of my house, near roof level. The antenna was installed near-horizontal. This was in a residential area which restricted outdoor antennas. There were no overhead power lines or other obvious radio noise sources in the area. No one made any comment about this outdoor antenna. I found the active antenna to perform well for DXing at times when I wanted to be also doing something else. I have found that using a loop antenna pretty much occupies my full attention. The Sony AN-1 Active Antenna is also reviewed in the 1985 World Radio TV Handbook.

A loop antenna question I once built a loop antenna that used a certain length of wire (in the shape of a square). Would all loop antennas use that same length of wire?

Any other loop configuration will almost certainly require a different length of wire. As a general rule, with a given tuning capacitor, a larger loop frame will require fewer turns, but because of the greater circumference of each turn, the total length of wire will be greater. To illustrate this, consider a simple tuned circuit consisting of a variable capacitor and a coil connected in parallel. Assume that the capacitor is a 365 pf unit fully meshed and that the coil is a single layer air core coil. The circuit is tuned to resonance at 540 khz. From the formulas or charts found in most books on radio theory, you will find that the coil inductance is about 238 microhenries, and that many different coil configurations will have that inductance. The inductance of the coil varies with coil diameter, number of turns, and spacing of the turns. In general, larger diameter coils require fewer turns but greater total wire length.

Thank you all for your support! Send your queries to Mike. 73 from Jack and Mike.

NRC Stationery

Now only \$5.00 for 100 sheets ... including the NRC logo and header in black ink. Order today from NRC Publications. (NY residents, add sales tax)

No swan song for WCIN-AM

Pair seek to buy station, build share with new format



Carl Shye, left, and John Thomas are negotiating a deal to own WCIN.

BY PATRICIA GALLAGHER
The Cincinnati Enquirer

Before the rise of FM radio, before The Wiz and WBLZ, before rap and hip-hop, there was one radio station in Cincinnati aimed specifically at black listeners.

It was WCIN, 1480 on the AM dial, and it called itself the heart and soul of Cincinnati.

"At one time, the station was the premiere black-oriented station," Maxine Hardwick, promotions director and disc jockey, said.

Now, five years after the station began a slide into bankruptcy, WCIN is getting something of a heart and soul transplant.

The revival comes courtesy of two

Cincinnati executives with ties to the station. Their plan: Buy WCIN and bring it back to its former prominence.

The executives, former banker John Thomas and former accountant Carl Shye, are already close to completing step one of their plan. Earlier this month, the U.S. Bankruptcy Court approved their offer to buy WCIN.

Step two might take more doing. Neither owner has much experience in radio management. They are buying the station during a recession that has caused advertisers to reduce their radio buys. And they don't have a loan to complete the deal.

But the two are undaunted. They think the station's current format — a

(continued on p. 41)

Broadcasting: KPLS' talk-news format is the result of a 11-year effort by the Villanueva family of Los Angeles, which built KMEX-TV in the same market.

By RICK VANDERKNYFF
SPECIAL TO THE TIMES

ORANGE—The last vacant spot on the local AM radio dial will be filled Monday with Southern California's first all-talk and news Spanish-language station.

The inauguration of Orange-based KPLS-AM (830), which bills itself as "La Voz," is the culmination of a 11-year effort by the Villanueva family of Los Angeles, which built popular TV station KMEX-TV Channel 34 before selling it in 1988.

All-talk Spanish-language radio has caught on in New York and, especially, Miami, where three of the eight top-rated Spanish-language stations are talk format (including the No. 1 station). The talk format is also gaining in popularity in Mexico and elsewhere in Latin America, according to Danny Villanueva Jr., part-owner of KPLS.

"This [Southern California] market has really grown to the point where it merits this kind of format," said Villanueva in an interview at the station Thursday. "We believe the niche for this is much greater than anyone anticipated."

The Los Angeles/Orange County Spanish-language radio market "is fairly well flooded with music stations," said Felix Gutierrez, vice president of the Arlington, Va.-based Freedom Forum, a media research foundation. "It always bewildered me that no one had tried the talk format here, he said.

Southern California's Latino community "is a population that is very interested in news, both domestically and internationally," said Gutierrez, a former USC instructor who has written extensively on Spanish-language radio in the Southwest.

The owners of Orange County Broadcasting Co., parent company of KPLS, applied for the license in 1980 and were awarded the station in 1986. It has built an organization

from scratch that includes a new, state-of-the-art studio in Orange and a duplicate studio under construction in Los Angeles.

With four news vans, along with seven mobile reporters based in two bureaus (in Los Angeles and Orange) and news stringers in Ventura County and the Inland Empire, the station has made a commitment to cover breaking news as well as features in the large and growing Latino population served by the station (estimated at about 3.9 million people).

KPLS will broadcast at 2,500 watts from a transmitter in the hills east of Orange, and will simulcast on KCTQ-AM (850), a 750-watt station in Thousand Oaks. The signal will extend from Carlsbad in Northern San Diego County north to Ventura, and inland as far as San Bernardino and Ontario.

"We're talking about news and information that affects the lives of Hispanics," said station General Manager Leopoldo Ramos, one of several KMEX veterans now at KPLS. In addition to covering stories specific to the Latino community, the station will offer a Latino perspective on wider issues, for instance, going "beyond Desert Storm to Latino involvement in Desert Storm and how the war affected the average Latino," Ramos said.

The KPLS day will start with a four-hour morning drive program hosted by two veterans of TV and radio in the United States and Mexico, Manuel Lopez Ochoa and Pilar Camporredondo. The program will mix entertainment and informational features "in a light way," interspersed with news and traffic reports, Camporredondo said.

Throughout the day news, sports and current events programs will air, along with call-in talk shows on a variety of topics. America Bracho, a physician and public health professional and former di-

rector of the AIDS project for the Latino community in Detroit, will host a daily two-hour talk program covering health, education and parenting.

On weekends, the station will offer live broadcasts of soccer games from Mexico. The station has also cut a deal with La Red, a Mexican radio news service, for news reports from Mexico, and will also air vintage Mexican radio soaps and novellas.

"It's an interesting addition to the Los Angeles market," said Amy Masson, media director for Newport Beach-based Ad Rendon, a Hispanic advertising and public relations agency. "The Hispanic market is becoming very developed. It'll be very interesting to see how they take off in the market."

Villanueva said that Spanish-language music stations are profitable and cheaper to operate than an all-talk station, which may have led to reluctance to experiment with the format. Villanueva declined to offer an estimate of the cost of launching the station, but said that owners are putting "nearly seven figures" into an extensive promotional campaign.

Camporredondo was the host of the top-rated talk show in San Antonio, Texas' Spanish-language market. The mainstream English-language media has "put [Latinos] aside, in a way," creating a void that Spanish-language talk formats are filling in other markets. "People are really in need of it," she said.

The Los Angeles Times via Duncan Shaw



Leopoldo Ramos, left, is manager and Daniel Villanueva the owner.

ROD BORKEN / For The Times

(continued from p. 40)

classic oldies sound heavy on Smokey Robinson, The Coasters, Sarah Vaughan and Motown standards — will attract a tender, new listeners and, eventually, more advertisers.

"We don't think we'll have a problem," Thomas said.

Problems in 1980s

Through the '80s, WCIN was plagued by problems.

The troubles began in about 1981, when the station faced its first competition for black listeners. That was when WBLZ-FM (103.5 KHz), which previously simulcast some programs with WCIN, broke off on its own.

When that happened, WCIN's loyal listeners had to make a choice: stick with WCIN and its lower-power, lower-quality AM sound or switch to WBLZ on the FM band.

"We were both playing the same records," said David O'Donnell, a former WCIN sales representative who now manages the successor to WBLZ, oldies station WGRR-FM. "The handwriting was on the wall."

That handwriting became clearer in January, 1987, when an Erlanger gospel station became WLFZ-FM (100.9 KHz), the third black-oriented station in Cincinnati. The Wiz, as it is known, quickly became a powerhouse. Despite a recent bankruptcy filing by its owner — like WCIN's, a Chapter 11 reorganization — the station is the fourth most popular in Cincinnati.

The arrival of The Wiz severely wounded WBLZ. After a three-year battle for black listeners and advertisers, it gave up in January, 1990, and moved from an urban contemporary format to traditional oldies.

For WCIN, the rise of The Wiz almost brought death. In November, 1988, after 35 years of operation, the station switched to a classical music format. Less than a year later, it filed for bankruptcy.

By then, the station had lost most of its listeners. In fact, it no longer showed up in rankings compiled by media audience expert Arbitron Co. In the early and middle '80s, it had attracted 3% or more of all radio listeners aged 12 or older.

Shye appointed as trustee

Shye, the former accountant, has played a key role in pulling WCIN back from the brink.

As a former auditor of WCIN and, for the past eight years, a financial analyst for Procter & Gamble Co., Shye was appointed trustee of the station by the bankruptcy court. When the court dismissed former owner/manager Ernest James in November, 1990,

Creditors to share \$435,000

Radio station WCIN-AM filed for reorganization May 25, 1989, showing \$1.3 million in assets and \$1.4 million in liabilities.

A bankruptcy court has approved a deal to sell WCIN to John Thomas and Carl Shye for \$435,000.

The price is high for an AM station, industry consultant Steve Kent said.

But it includes 18 acres of land surrounding the station, some of which the new owners might later sell.

Here's who will get some of the \$435,000, according to the bankruptcy filing:

■ \$250,000 to Central Trust, which was owed \$535,000.

■ \$75,000 to Broadcast Capital, which was owed \$753,030.

■ \$49,180 to the Internal Revenue Service and \$3,820 to the Ohio Bureau of Employment Services, which were jointly owed about \$100,000.

— PATRICIA GALLAGHER

"It's a very tough time to finance any media property. (But) it's a viable station. This is a not a market where AM is obsolete."

— Steve Kent, president of CMX Communications

Thomas pitched in

By last summer, John Thomas arrived to help Shye.

Thomas knew the station from his days at Central Trust Co. As an executive in the bank's media loans department, he convinced Central Trust to lend WCIN \$535,000 in one installment in 1986 and another in 1987. He left the bank in May, 1990, to try his hand at radio ownership. His first investment was in two Morristown, N.J., stations. His second will be in WCIN.

Thomas submitted a solo offer to lease the station, with an option to buy, in July. Creditors rejected the idea.

By November, Thomas, 43, and Shye, 36, paired up and submitted an offer to buy WCIN for \$435,000.

The court approved the offer on Jan. 7 and gave Thomas and Shye — who are creating a company called Junior Broadcasting to complete the deal — the go-ahead to proceed with their plans.

The bankruptcy essentially behind them, Thomas and Shye still face impediments to making WCIN a success.

■ The station still has a power problem. It is attempting to move from four towers to one, a switch intended to give WCIN clearer and broader sound. But the change has not been approved by the Federal Communications Commission, and the FCC won't consider transferring the station's license to Thomas and Shye until it OKs the construction.

■ The station needs more revenue. Without an increase in ad sales, the partners will have a tough time carrying out plans to hire a local news staff and step up promotional activities.

■ The partners need a loan. That could be their biggest challenge.

Media loans risky

In today's economy, media experts say, bankers are staying away from risky loans.

"It's a very tough time to finance any media property," said Steve Kent, president of CMX Communications Inc., a local consulting firm on media bankruptcies.

But a year after the station returned to its roots in the black community, WCIN has a better chance of survival than it has in years. Its chances are even better if the station can remedy its technical problems, Kent said.

"It's a viable station," he said. "This is not a market where AM is obsolete."

One sign of early success: WCIN has reappeared in Arbitron rankings. Last summer, it captured a strong 2.1% share of local listeners, aged 12 and up. For fall, it showed a respectable 1.2%.

"I think we've found our niche," Hardwick, the disc jockey, said.

The Cincinnati Enquirer
via Tom Mulvaney

The Broadcaster's Guide to DX

A tri-fold guide for use with reception reports explaining DX'ing, how the NRC was formed, and the importance of QSL's to DX'ers. Also in Spanish and French. US\$1.50 for 20. From NRC Publications. (NY residents, add sales tax)

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.

WAYNE HEINEN - 4131 S. ANDRES WAY - AURORA, CO 80012-3831

Oh look, it's a MUSING! This season has gotten off to a slow start with most DX confined to TESTS and an occasional MM session when I don't have to work. Some of the best verie activity from 1991 included KWPN-840, KTEK-1110, KOKE/KFON-1370, KGA-1510 & KATZ-1600, all have been long term hold outs that finally broke down and replied. KATZ & KGA's original reports were mailed in the 70s! 2 of my better veries in the low power category are WXX27-1610 & KAF727-1610. WXX27 is a series of synchronous 10 watt transmitters around Austin, TX, KAF727 is a 5 watt TIS at Mesa Verde National Park. After seeing AL MERRIMANS reports on his phasing unit, I am looking at digging mine out of the basement and replacing the defective wafer switch. I had a decent amount of success with the unit when I first built it. I recently ordered a MAP unit from Kiwa Electronics, I'm hoping that the synch detection and the audio notch will help me in digging more audio out of the signals that the R390A pulls in. This was made possible by the articles I've sold to MONITORING TIMES in recent months. Believe it or not, my wife feels I should spend this money on my hobby! (Hello...Mr. Ripley??-DWS) So I'm now thinking up more articles in hope of getting a 2 meter HT. I recently acquired the calls NØPOH, no code for now but I'm slowly starting to get the hang of Morse. Does anyone have a current address for HQ180A guru STEVE BOHAC? I'm trying to fix up a BOHAC modified 180A and don't know if I've got all the properly modified schematics. That's all for now.

BRUCE WINKELMAN (AA5CO) - 3014 W. 68TH PLACE - TULSA, OK 74132-1755

OK, so I lied. In my last MUSE, I made the statement that transcontinental DX would be much more difficult under current band conditions. So, what was my 1st logging using my new ferrite bar antenna, you ask? why, none other than "transcontinental" KNBR-680 1/8 10:49 PM. So much for my observational prowess. Some general thoughts after a week of ECB DXing after a 10+ year hiatus, it seems that Spanish language stations are much more common, both domestic & foreign. After using the ferrite bar for a week, it seems that the best nulls sometimes occur at unexpect ted combinations of azimuth & elevation angles and requires a fine touch to obtain the best null. It will take some practice to get proficient at nulling. I'd like to hear comments and thoughts of other NRC members on experiences with both ferrite bars & wire loops and the azimuth/elevation angles for best nulls. It would be interesting to know if there are any differences between the 2 types of antenna in nulling positions for the same direction/stations. Have any members done side-by-side comparisons of different antennas? Would the proximity of 2 directional antennas skew the patterns so the separation of the antennas could be critical? I've also noted a proliferation of 'psuedo-IDs' using FM slogans in AM-FM simulcasting situations. I know that each DXer has his/her own standard for a 'positive ID'. It would be interesting to see some discussion in MUSINGS on the pros/cons of using these slogans as an ID. I know that there would be 2 sides to the issues, both with good arguments. Comments could make some interesting MUSINGS! If I've missed the discussions in past MUSINGS, I don't mean to open old wounds but would like to hear current thinking on these topics. 73's for now & good DX to all!

CURT ENGBERG - 80 CONCORD ROAD - WAYLAND, MA 01778

I hope this makes it for the 25 year member issue. (Missed Part 2 by 1 day. Curt-DWS) My 1st membership card was signed by Ray Edge on 3/14/64 in Buffalo and delivered with a 4¢ stamp! My real start in DX was in the mid 30's and you can imagine the thrill as I relayed to my 6th grade class in MN not only that I had heard KIRO all the way from WA on my father's Atwater-Kent but that I had sent them a letter and they read it over their early morning program and I had heard it before I left for school that day! Such early memories never leave you. The winter of 64-65 was fantastic with over 30 countries heard and all I had was a 5 tube Ecophone that I'd paid \$12 for from a co-worker at Sylvania. 2 years later, I moved up to an NC125 (used) and in 73, all the way up to a used HQ180A. My 1st convention was the 58 local in Boston attended by such as Ray Moore, Gordon Nelson, Jerry Starr, John Callerman, Cesar Objio, and of course, ERN, Ernie Cooper among the 67 attendees. I'm sorry I haven't attended many since then. Highlights include the extreme aurora of 2/15/73 when domestics were almost totally absent, even from the S but some incredible TA's and even a suspected Chinese in oriental language was heard on 1525, through a hole in the center of the aurora! Later that year, our youngest son became a quadriplegic after a motorcycle accident. He spent 6 months in the hospital and came home eating liquid through a tube in his stomach. I'm happy to report that although he's still a quadriplegic, he lives alone in his own home, supervises a software group at Manover Insurance and is chair of the board for the Center for Independent Living of Worcester Co. A recent trip to Bermuda was

Dave Schmidt

P. O. Box 11502

Wilmington, DE 19850-1502

Times are local per Muse; submit double-spaced only.

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.

wasted as we spent 4 days holed up while Hurricane Grace kept circling the island. However, I think it is probably a great DX location as my TRF indicated that you could very effectively null stations to determine directions and that meant you can very selectively DX the Carribean Islands and the whole E Coast of the US. I'm really thinking of a new receiver and I'm leaning toward the NRD525, but I want to hear a little more about the R8 first. I tried hard for one of the 2 states that I haven't heard from New England during the KUIA test recently but there was just too much CHTN most of the time. When I nulled them, I could get someone from the S with a gospel message but not well enough to ID. Thanks to all of you who do such a good job of keeping the rest of us informed. 73's (Thanks for your fine report, Curt-DWS PS: I was one of those 'kids' at the Boston convention, also, the first one I attended)

DAVE SCHMIDT - P O BOX 11502 - WILMINGTON, DE 19850

Even though this is a day late going out, I've got a couple of reports on hand for next week. We've been getting some names out of the woodwork and we trust they will continue to check in from time to time. DX - none, work has picked up to a pretty good pace and we're far ahead of last January of last year in things to do 'down the road'. That's it - 73 - CUN7!

Rick Dau

401 Emerald St., Apt. #-9

Iowa City, IA 52246-3003

Promotion of the DX hobby through competitive listening.

Contests

Contest Standings as of January 5, 1992

	A	B	C	D	E	F	G
Richard Dau, Jr., Iowa City, IA	1744	1069	125	0	550	0	0
Mike Jeziorski, Detroit, MI	1292	842	35	75	340	0	0
Earl Higgins, St. Louis, MO	1003	633	90	0	280	0	0
Rob Kramer, Chicago, IL	588	478	100	0	10	0	0
Doug Smith, Nashville, TN	522	442	0	0	70	0	10
Nancy Hardy, Aberdeen, WA	103	103	0	0	0	0	0
Bill Hardy, Aberdeen, WA	12	12	0	0	0	0	0
Todd Brandenburg, Topeka, KS	0	0	0	0	0	0	0
Dave Hascall, Fortville, IN	0	0	0	0	0	0	0

A = total points; B = state & province points; C = s/ons & s/offs heard; D = "Most Wanted" stations heard and reported to DDXD; E = other new logs; F = 1st report of new station; G = 1st report of station back on the air

Remember, with this year's contest, "Most Wanted" stations MUST be reported to DDXD as well as to me. As of January 29th (the day I typed this), some of those reported to me hadn't yet shown up in DDXD-E or DDXD-W. That is why a few entrants have goose eggs under "D". Make sure you get your reports to Bill and Wayne by their deadlines so these catches (25 points apiece) can be seen by me in DX News. 73!

NRC AM RADIO LOGBOOK

1992
Edition

The NRC AM Radio Logbook, 1992 Edition contains verified heard station information in the U. S. and Canada. Only \$16.95; Canada \$17.95 to U. S./Canadian NRC Subscribers ONLY. \$19.95 to U. S., Non-NRC Subscriber; \$20.95 Canadian Non-NRC Subscriber. Others - please write.

Specify your mailing address and number of Logs ordered. Make out check or money order to: NRC. Mail to: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents add sales tax).