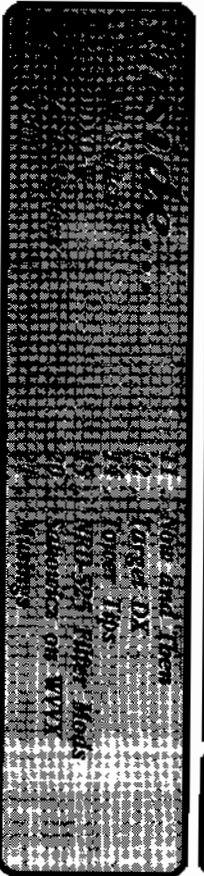


DX NEWS

•Serving DX'ers since 1933•

Volume 61, No. 20 - February 21, 1994 (ISSN 0737-1659)



One and then
over DX
Operator
WB529 Flipper, Moxds
Schroeder on WYXX
Missouri

CPC Test Calendar

WDJL	1450	Feb. 21, 1994	0230-0300
KGLE	590	Feb. 21, 1994	0330-0400
WNEZ	910	Feb. 26, 1994	0000-0030
WENZ	1260	Feb. 27, 1994	0100-0130
WBND	560	Feb. 28, 1994	0000-0030
WNUU	1260	Feb. 28, 1994	0130-0200
WJKN	1460	Feb. 28, 1994	0130-0200
KOVO	960	Feb. 28, 1994	0200-0300
WTWQ	1580	Mar. 7, 1994	0400-0500
EKIN	930	Mar. 13, 1994	0200-0230
WJLS	560	Mar. 14, 1994	0000-0030
KPCQ	1260	Mar. 21, 1994	0230-0300

We regret to announce that long-time member Jack Parks died January 17. Concession-goes over the past few years will recall Jack and Gaye always arriving in their motor home, and AM Log users will note Jack's many contributions to the log. Our sympathies go out to Gaye and their family.

WBKZ-1260 - P. O. Box 460 - Monroe, WI 53566 will conduct a DX test on Sunday morning, February 27, between 130 and 1:30 am EST. The test will consist of Morse code ID's and test tones. Reception reports may be sent to Mr. Ken Stewart, owner Arranged by the National Radio Club CPC.

WBND-560 - 5305 Vineyard Drive - Monroe, MI 48161 will conduct a DX test between 12:00 and 12:30 am EST Monday, Feb. 28, 1994. The test will include oldies music, test tones, and Morse code ID's. Reception reports may be sent to Mr. Tom Gardull, Chief Operator. Arranged by J. D. Stephens for the IRCA CPC.

WNUU-1260 - 920 Wade Hampton Blvd. - Greenville, SC 29609 will conduct a DX test on Monday morning, Feb. 28, between 1:30 and 2:00 am EST. The test will be at 5,000 watts and will include test tones and Morse code ID's. Reception reports may be sent to Mr. Joe Norris. Arranged by the National Radio Club CPC.

WDXN-1460 - Dixon, IL will conduct a DX test between 1:30 and 2:00 am EST Monday, Feb. 28. The test will include Morse code and voice ID's. Reception reports may be sent to Mr. Clifford J. Groth,

Director of Engineering, c/o WFAW Radio - P.O. Box 94 - Fort Atkinson, WI 53538-0094. Arranged by J. D. Stephens for the IRCA CPC.

KOVO-960 - 651 W. 1560 South - Provo, UT 84604 will conduct a DX test between 2:00 and 3:00 am EST Feb. 28. The test will include Morse code tones, and Glenn Miller swing music. During the test, KOVO will switch between 5,000-watt omnidirectional and directional patterns. Reception reports may be sent to Mr. Benjamin J. Reed, PD. Arranged by J. D. Stephens for the IRCA CPC.

From the Publisher ... I may have spoken too soon concerning "normal" mail patterns; DDXD-E did not arrive this weekend, and IDXD did not show up on AOL. Also, a somewhat larger-than-normal amount of members, nearly all east of the Mississippi, have requested replacement bulletins for those which never showed up. Individuals who are experiencing abnormal slowdowns or other recurring problems should file formal complaints with their local post offices. Also, check your address: we've cleared up several slow-delivery problems by correcting bad addresses, including those which do not include the nine-digit ZIP. Both any errors in typing new addresses in and yours in providing incorrect information. DXN is usually mailed out Friday evening, by the way.

DX Time Machine

From the pages of DX News:

50 years ago ... from the Feb. 12, 1944 DXN: Many remembers reported good TA reception during the first week of February. Grant Batson, Westfield, NY reported hearing stations on 1149, 1176, 668, and 657 kc.

25 years ago ... from the February 22, 1969 DXN: Larry Van Horn, San Antonio, TX congratulated Ernie Cooper on being the second NBC'er to receive a KUSA award.

10 years ago ... from the February 20, 1984 DXN: Mark Connolly published construction articles for the WVDX2 phasing unit and on the AFT-3, a parallel L-C tuner.

AM Switch

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

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

CALL LETTER CHANGES

Old call	New call	Old call	New call
600 KQLQ CA	KOQC	1140 KRAC CA	Secretamento
630 KXOK MO	KJSL 1230	WALI MD	Cumberland
940 KXFM AZ	KCEE 1240	KELY OR	Corvallis
1050 KCAS TX	KTEZ 1440	KDNT TX	Denton
1090 WKGT FL	WNVV 1600	WXTO FL	Winter Garden
1130 KWD5 AZ	Prescott	KONA	WOKB

APPLICATIONS/GRANTS FOR NEW STATIONS

None

APPLICATIONS FROM EXISTING FACILITIES

None

GRANTS TO EXISTING FACILITIES

830 WCEN MA Cherry Valley: powers to 7000/5000, city of license to Worcester, MA
1200 KBOQ CA Soquel: reduce powers to 25000/1000
1250 KOPC AR Fayetteville: relocate transmitter site



OTHERNESS

810 KTBI WA Ephrata: CP for 50000 (23000 CH) is ON THE AIR
820 WWFQ NC Paw Creek: CP for this new station has expired, applicant requested reinstatement, but this request has been DISMISSED by the FCC; this one is probably dead.
890 KVOZ TX Laredo: now rebroadcasts KUBR-1210 San Juan, TX
1070 WHYZ SC San Souci: station is SILENT, pending sale
1400 KHIZ CA Truckee: license CANCELED, calls DELETED
1460 WGUJ MS Moss Port: station is SILENT
1500 WMJL KY Marton: reduced power of 175 watts is ON THE AIR
1540 WJNR OH Circleville: station is SILENT pending sale

THANKS: Wayne Heinen, Ed Krejny, MSJ

WITH THIS ISSUE WE TAKE THREE WEEKS OFF TO HEAD TO FLORIDA FOR OUR ANNUAL DAYTONA 500 RACING ACTIVITIES THEN SOME R & R. THE NEXT AM SWITCH SHOULD APPEAR IN ISSUE #23.

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

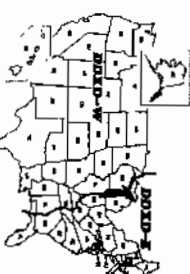
Broadcasters' Guides to DX *Five different fold-out guides for use with reception reports explaining DXing; how the NRC was formed, and the importance of QSLs to DXers. All guides in English, Spanish, and French. FM edition in English. US\$1.50 for 20. From NRC Publications. (NY residents, add sales tax.)*

County Cross Reference *A complete list of counties, parishes, and similar political divisions in the U.S. and Canada. The list is indexed, alphabetically by county, and by state. Includes call letters and designed and produced by Jerry Starr. \$4.95 for members, \$8.95 for non-members. Order from the NRC Publications Center, NY residents, please include sales tax.*

Domestic DX Digest

West: Bill Hale
495 Creechview Drive - Meridian, ID 83642-3241
East: Dave Braun
11 Mill Bend Acres - Wyoming, DE 19934-9523

(Donation here is between East and Central time zones)



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



DDXD-W

SLIM picks this week, folks. Thanks to John, Shawn, Thomas, Gray, BB, and Jim for taking time to report this week. And to Morris for his Graveyard DX Report.

JIM BOEHM sent a nice article from the San Antonio Express-News about KONO's 67th anniversary. Original call letters were KGRC, and Ernest Tubb once had a half-hour show every morning in the late 30s. Ah... great stuff.

If YOU'RE on Prodigy, you can send your loggings to me at MTFH12A, or via internet from other services at MTFH12A@Prodigy.com. See ya next week.

SPECIAL

- 840 KVIY TX Pharr - 1/23 0800-0823 - Format is now adult standards. Slogans are Joy AM Stereo 84 and Joy AM Stereo 84, the Valley's choice for great standards 24 hours-a-day. (B-TX)
- 1310 KAAM TX Dallas - 1/24 0700 - Began all-sports format. No call letter change, yet. (BBMC-TX)
- 1460 KDMI IA Des Moines - 1/17 0855 - Good with religious programming. KDMI and Regional Gospel Radio IDs. Not KGGG anymore. (SA-MB)
- WACO TX Waco - 1/25 0548-0610 - With C&W simulcast of WACO-FM 99.9. Slogans are Texas' Number One Country and Waco One-Hundred, sometimes used together. (B-TX)
- 1490 KCID ID Caldwell - Now using Associated Press Radio (APR) for network news/features. [Ed-ID]

DX AND EQUIPMENT TESTS

- 730 KURL+ MT Billings - 1/10 0230 - Good with CIDs at 0230 and 0235, and VIDs at 0231 and 0238. TT at 0237. (SA-MB)
- KURL- MT Billings - 1/10 0230 - Not heard. (TR-IL)
- 740 WJUB- MA Boston - 1/17 or 1/24 - Not heard. (TR-IL) [Yes, I noticed it was scheduled for two successive weeks, also - Ed.]
- 1010 KDIA? LA DeRidder - 1/15 0500 - Possible CID at 0502 and 0513. Lots of CFRB and XEHL. (SA-MB)
- 1420 WOC- IA Davenport - 1/17 - Not heard. (TR-IL)
- 1560 KWCO- OK Chickasha - 1/16 - Not heard. (TR-IL)

MIDNIGHT TO 0800 HOURS ELT

- 610 KYC OR Medford - 1/29 0150-0200 - Vocal music, (C&W) with an ID of KYGT K97. Way under an old Jack Benny Show (KONA or KERC). (GS-BC)
- 630 KIDO ID Boise - 1/22 0715-0735 - Often heard with talk under KJCS. The latter went to OC only for 20 minutes, so KIDO easy. Dded as KIDO - Boise, Nampa, and Caldwell. (GS-BC)
- 1400 KLCK WA Goldendale - 1/26 0240-0305 - An interesting graveyard this week near midnight local time. C&W identified as Country 1400 KLCK at 0244. Someone else's sign-off at 0300 with female vocal SRB. On 1/29, Stereo 1400-CIOR dominated with Alltime Favorites. Much more to get here. (GS-BC)

1430 KLO UT Ogden - 1/29 0203-0210 - Heard often, but finally IDed KLO at 0206 as the expected middle-of-the-road music under loud KBRC Stereo-1430. Utah #11. A third station on 1430 unIDed so far. (GS-BC)

0800 TO 1600 HOURS ELT

1590 KGAS TX Eastland - 1/24 0805 - C&W out of jumble, then Country KGAS at 0805. First time heard on low night power. (JB-TX)
KELP TX El Paso - 1/24 0810-0820 - With Brother Sharrack(?) delivering a fire-and-brimstone sermon. Instructions to send money to a box number in Dallas, and a phone number given. At 0815 station announcer said to mention KELP. First-timer on low night power. (JB-TX)

1600 TO 2400 HOURS ELT

830 WMMI MI Shepherd - 1/11 1654 - Poor with SMN Pure Gold format. Way under WCCO. (JB-WD)
950 KOEL IA Oelwein - 1/11 1705 - Poor with end of ABC News, station promo. (JB-WD)
970 WNIW GA Atlanta - 1/16 1740 - Alone, over others, with REL & WNIW 970 & AM 1400 IDs. (JB-WD)
990 WTVK TN Knoxville - 1/12 1722 - With News Talk 990, WTVK-AM slogans & a sports show. (JB-WD)
1010 WFGW NC Black Mountain - 1/12 1714 - With Christian 1010 WFGW IDs. Over others. (JB-WD)
1140 WEXR AL Hazel Green - 1/14 1759 - Fair, with full-data sign-off & SSB. No WVA/ASOO. Ex: WXC. (JB-WD)
1150 KIMM SD Rapid City - 1/18 1828 - Local ads, then fade out. Rare here. (JB-WD)
1350 WGAD AL Gadsden - 1/12 1754 - Fair with black-announced oldies. New. (JB-WD)

REPORTERS

JR-WI John Rieger South Milwaukee, WI Parasitic RF-2200
SA-MB Shawn Axelrod Winnipeg, MB ICOM R-70 w/ PLAM board & 0.5, 2.4 & 4kHz filter + 4 box loop or 100' lw
TR-IL Thomas Reiser Chicago, IL Sony ICF-2003
GS-BC Gray Schrimgeour Victoria, BC Sony ICF-2010 barefoot
BBM/C-TX BB McClurkin Irving, TX
JB-TX Jim Boehm San Antonio, TX IC-R71A + antenna de downspout



* Thanks to Gray, Jim, Bob, John, Mike, Rod and Thomas for our DX interlude this week. And to Mike for the Graveyard Updates. Wow, 2/3 of the Volume year is shot already!
• I have long suspected that DXing under power lines can bring unexpected results, but had an experience in the car recently (see below) which totally wiped out a semi-local and brought in a station which I would never have heard otherwise. Has anyone else experienced this same, strange occurrence?

SPECIAL

890 KGHT AR Sheridan - Per Jerry Starr, new address is 1000 Warden Road, North Little Rock, AR 72120 and fone # is 501-985-0880.
1460 KDMI IA Des Moines - Address for this is 2907 Merle Hay Road, Des Moines, IA (don't know ZIP). Phone is 515-274-4968. Slogan is Regional Gospel Radio. (JB-WC)

UNIDS and UNID HELP

1040 CKST BC Vancouver - In issue #16, John Wilkins asks if this is still on the air. The answer is... yes. (GS-BC)

1280 UNID ?
77 - 2/1 1815+ - Word For Today REL program, 1-800-282-WORD given at end of show, asking listeners to give the name of the radio station when writing. Well, you guessed it, no ID at 30, right into country-oriented REL song. Mixong with Dr. Dean Edell (suspect KTJ). Suspect KUDY, but can't say. [Ed-ID]

DX AND EQUIPMENT TESTS

560 WRRB-MD Frostburg - 1/31 0100-0130 - Not heard. KLVJ with Texas Overright talk remained dominant. Desperately needed for 39th state. (JB-TX)
600 WRRB-PA Condersport - 1/31 0030-0100 - Not heard. KROD with SEN and WREC with Bruce Williams bathing it out entire time. (JB-TX)
910 KRLG-MT Billings - 1/31 0200-0230 - Not heard. XEB with Radio Fiesta Mexicana solid. Con Buena Musica as announced. (JB-TX) 1/31 0200-0225 - Tried for, but no luck. Only regular KNEW with female announcer, ID & C&W. Another UNID C&W way underneath. Maybe CKDQ? Conditions not very good up here recently. (RO-AK)
930 WYNI-AL Monroeville - 2/1 0200-0230 - Not heard. All KKH-CA with SS and in KKH null, KSEI-ID with Bruce Williams talk show. (BK-CA) 2/1 0200 - Not Heard. Just KJUP / WKY / others. (JB-WC)
940 WFAW-WI Fort Atkinson - 1/31 0230-0300 - Not heard. Kept hoping XEB would blow a fuse or something. Desperately needed for 39th state. (JB-TX) 1/31 0200 - Nope. Too much KIOA/KXZ/+. (JB-WC)

MIDNIGHT TO 0800 HOURS ELT

570 WWCN-NC Asheville - 1/1 0223 - Local weather forecast, then C&W. (MH-NE)
620 CKCK-SK Regina - 2/2 0200-0222 - Oldies in and out, under KINK, with a clear ID at 0219. (GS-BC)
790 WMC-TN Memphis - 1/4 0123 - Good with Rush, then IDW/MC, Newstalk 79. (MH-NE)
930 WTKZ-WV Huntington - 2/1 0200 - Fair with legal ID, NBC News, promo for Good News broadcast and basketball coverage. New. (TR-IL)
1030 KMAS-WA Shelton - 1/31 0247-0302 - Instrumental jazz and vocals. ID as 1030-KMAS at 0259, then ABC news on the hour. Weak, under KDUN. New. (GS-BC)
1280 KKKL-CO Denver - 1/22 0055 - ID as KKKL is Cool 105. // 105.1 FM. (MH-NE)
1360 KFTV-CA Modesto - 1/31 0302-0316 - After KKKM s/off. CNN Headline News, then an ID at 0315. New. (GS-BC)
1370 KXTL-MT Butte - 1/30 0100 - Very strong with ID, then MBS News. (MH-NE)
1380 KNDUS-OK Muskogee - 1/23 0054 - UC music, then local ad and phone number given. (MH-NE)

0800 TO 1600 HOURS ELT

850 KMTT-WA Tacoma - 2/2 0938-0952 - Vocal music under CFVR news, then mostly talk. Seattle's quality rock alternative slogan at 0946, and 103.7, The Mountain later. Seattle traffic reports. (GS-BC)
1440p KORS-MN Golden Valley - 2/1 0935 - Fair in QRM with Minneapolis-St. Paul ads, including one for TV 4 News. Then long chat by two male announcers. (JB-WC)

1600 TO 2400 HOURS ELT

750 KOAL-UT Price - 1/29 2206 - Good, equal to W9B at times, with ESPN Radio and AI News. We were hoping for KXL, which is listed as an ESPN affiliate. (MH-NE)
770 WBEW-MO St. Louis - 1/29 1803 - Strong with a long rendition of God Bless America, then sign-off. (MH-NE)
860 WDMG-GA Douglas - 1/22 1910 - Ad for Atlanta Hawks, then ID. Only third time ever heard. (MH-NE)
910 WEPG-TN South Pittsburg - 1/24 1900 - ID including Your station for over 40 years. New. (MH-NE)
920 KIMR-CO Lamar - 1/22 1732 - Weather for the high plains. Very tough with semi-local KYFR blasting its usual preaching. (MH-NE)
950 KXJK-AR Forrest City - 1/24 1838 - With Arkansas Radio Network and local ad. (MH-NE)

970 WMAV IL Springfield - 1/29 1820 - Fair with ID. New. (MH-NE2)
 1070 WDLA TN Memphis - 1/3 1901 - ID containing *The Mid-South's 777*. WDLA. (MH-NE1)
 1080 WPOK IA Pontiac - 1/22 1757 - Great signal with NOS music. New. (MH-NE1)
 1090 KVGB IA Sioux Center - 1/22 1753 - ID // FM. New. Another of the many to slip through the cracks of my log. (MH-NE1)
 KEXS MO Excelsior Springs - 1/29 1622 - ID as *God's Country*. #1415 on AM. (MH-NE2)
 KKYX TX Plainview - 1/25 1940 - With Texas Tech Red Raiders basketball pregame show, local and network ads. Fair signal with local KYBG about 80% muted. Will try again for a while. (W-CO)
 1130 WSPJ KY Murray - 1/31 1846 - Poor in QRM with local ads. *Newsday*: 11 WSPJ ID. Rough with KHTH / KRDU / et al. Then heard later at 1927 with pbp basketball between Murray and Marshall County. A pleasant surprise. Only 5th Kentucky here! (W-CO)
 KLSR TX Memphis - 1/31 1903 - Fair with sign-off announcement by male, mentioning 1000 watts and 105.3 FM. Also *Greatest Hits of All Time* on KLSR AM & FM. (W-CO)
 1160 WBND KY Florence - 1/24 1833 - ID as WBND, *Brand* 1160. New. (MH-NE1)
 1170 KLOK CA San Jose 1/31 2034-2043 - 55 vocal music. KLOK ID in a long promo at 2039. In KPUG's null. New. (GS-BC)
 1190 KRBC CO Boulder - 1/29 1945 - ID and Colorado weather. (MH-NE2)
 1210 WGSF TN Ardington - 1/3 1951 - ID and the station's phone number given. Surprisingly, this was a new catch. (MH-NE1)
 1220 KDDR ND Oakes - 1/3 1907 - ID as *Dakota Country*, 1490 and 1220. (MH-NE1)
 1240 KBLL MT Helena - 2/1 1808 - While listening to KLVJ, pulled up to stop light under power lines and, wham! In like a ton o' bricks with singing ID of KBLL and into a POP song. Think I'll come home that way more often. (ED-ID)
 1300 KVOX CO Colorado Springs - 1/21 1837 - Colorado temperatures given, the *newstalk* 1300. Has become a regular during the past month. (MH-NE1)
 1450 KWBE NE Beatrice - 1/25 1800 - Fair in QRM with AI News. 1805 ad for KWBE *Homemaker School*. (W-CO)
 1470 KWRD TX Henderson - 1/30 2046 - Dominating frequency with GOS music and ID. New (MH-NE2)
 1500 KCLF LA New Roads - 1/22 2015 - ID under KSTP. New R-70 has good enough selectivity to receive some stations previously impossible with the R-1000. (MH-NE1)
 1530 KCMN CO Colorado Springs - 1/21 1830 - With *Your station for the Music of Your Life*. (MH-NE1)
 1590 KOXK AR Springdale - 1/21 1728 - With C&W music and ID as *Beaver* 105, then ads for Rogers area stores. (MH-NE1)

REPORTERS

KPRR
 The
 Montgomery Mcker

GS-BC K. Gray Scrimgeour Victoria, BC ICF-2010 barefoot: 1270 AM RADIO
 JB-TX Jim Boehm San Antonio, TX IC-R71-A + antenna ala downspout
 BK-CA Bob Karchlewski Sunnyvale, CA TRF 12-665 with inboard antenna
 JW-CO John Wilkins Wheat Taost, CO Drake R-8 + 4' box loop
 MH-NE1 Mike Hawk Omaha, NE Icom R-70 + 2 coax loop or 75' lw
 MH-NE2 Mike Hawk near Fremont, NE Icom R-70 on a 2000' longwire (south), a 700' lw (ESE) or a 2' coax loop
 RO-AK Rod O'Connor Kodiak, AK
 TR-IL Thomas J. Reiser Chicago, IL Sony ICF-2003 w/built-in antenna
 EA-ID Editor Meridian, ID Delco AM&F-NM receiver, at Franklin and Five Mile in Boise

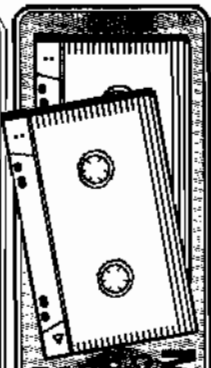
GRAVEYARD DX UPDATE

* indicates North American record
 1230 KHZ: Sterling Michael Hawk Omaha, NE 378
 1340 KHZ: Rapid City Michael Hawk Omaha, NE *415
 KTOO SD

1400 KHZ:	WBAT IN	Marion	Michael Hawk	Omaha, NE	*538		
	KCOW NE	Alliance	Michael Hawk	Omaha	*319		
	KODI WY	Cody	Michael Hawk	Omaha	*700		
1450 KHZ:	WSMQ AL	Bessemer	Michael Hawk	Omaha, NE	732		
	KBPS SD	Bella Fourche	Michael Hawk	Omaha	(Tie) 463		
	KAYC TX	Beaumont	Michael Hawk	Omaha	*778		
Totals:	Michael Hawk Omaha, NE						
	1230	1240	1340	1400	1450	1490	Total
	25	14	14	16	29	11	109
1290 KHZ:	CIOK AB	Fort McMurray	Morris Sorensen	Anarath, MB	*664		
	CHRC MB	Churchill	Morris Sorensen	Anarath	*591		
1240 KHZ:	CIAR MB	The Pas	Morris Sorensen	Anarath, MB	*253		
	CIJD NWT	Yellowknife	Morris Sorensen	Leat Rapids, MB	*653		
	CKIS PQ	La Sarre	Morris Sorensen	God's Lake Narrows, MB	*761		
1340 KHZ:	CFYK NWT	Yellowknife	Morris Sorensen	God's Lake Narrows, MB	*898		

ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DXD

? parallel with / or ? : to or into :0: on the hour AC:Adult contemporary AP:Associated Press BBD:big band BRN:Business Radio Net C&W:country & western CCR:contemporary Christian radio CHR:contemporary hit radio CID:code ID CL:call letter E2L:easy listening EF:English FR:French GOS:gospel IRL:Interstate Radio Net LSI:local sunrise LSS:local sunset NBA:National Basketball Assn NHL:National Hockey League NPR:National Public Radio OC:Open carrier 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 SID:signing ID SRS:sunrise skip SS:Spanish SSB:Star Spangled Banner SSS:sunset skip TC:time check TT:rest tones UC:urban contemporary UPI:United Press International



Music Grade audio cassettes
 Lowest retail value \$4.00 each, up to \$9.00 per set for audiocassettes. 10 for \$7.50. Order from NBC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.

Put some fun into your DX'ing - enter a contest!

#1. CPC Log the most NBC or IBCA CPC items. 1 point per station. Runs Oct. 1, 1993 to Mar. 31, 1994. Prize: \$5 certificate toward any NBC product or subscription.
 #2. Alphabet Log calls in the order: the last letter must run from A to Z. First alphabet run must be complete before second run will count. 1 point for each station. Runs Oct. 1, 1993 to Jan. 15, 1994. Prize: \$4 certificate.
 #3. Alphabet Same as #2 except: Runs Jan. 16, 1994 to Mar. 31, 1994, and you cannot use any station in contest #3 used in #2. Prize: \$4 certificate.
 #4. Ten-Day Spree Choose any ten (10) consecutive days during the month of October, 1993. Loggings count 1 point for a clear channel station, 2 points for a regional channel station, 3 points for a local channel station. You pick the days; loggings on all ten days not necessary. Prize: \$3 certificate.
 #5 Same as #4 except during December 1993.
 #6 Same as #4 except during January 1994.
 #7 Same as #4 except during March 1994.
 #8 *Canadian Special* (Canadian members only). Log U.S. stations only, but stations in any state bordering your province cannot count. A clear channel station counts 1 point, regional channel station counts 2 points, and a local channel station counts 3 points. Runs: Oct. 1, 1993 to Jan. 31, 1994. Prize: \$5 certificate.
General Rules: Entrants, please send a postcard of intent to enter. All correspondence goes to Ken Chatterton - P.O. Box 164 - Mannsville, NY 13661-0164 ten days after the closing date of that particular contest, or postmarked within seven days of closing. Do count a station: list call, city, frequency, date, time of logging; plus enough material to ID station if asked.

Verification Signers

Wayne Heinen
4131 S. Andes Way
Aurora, CO 80013-3831

Signatures and other information received upon request

Prog	Call	Signer	Contributor	1200	WNSW	Michael O'Hara M	ERC
550	RTSM	Eliza Sonnehand RD	EB	1200	WSKIU	Larry Ingold	ERC
570	KYUJLZ	Joseph Seibert E	OA	1250	RCDDJb	Brida West	EB
570	WAAXI	Jim Prout PD	DT	1250	KPSUJdb	Dennis I Haasager GM	OA/EB
570	WVNAJXbn	Terry Morley CE	DT	1280	WVNAJmbz	David J. Miller COP	EB
590	WOWBq	U/U CE	EB	1300	WVFKI	Dan Byson E	DT
600	CIQCJ	Kim Bickertke Doe	RA	1300	WKCtP	Frank W. Kelly	DT
610	KDALJ	Mike Engstrom Opm	RA	1310	WTLIC	Lang Stangson CE	DT
630	WTRCdn	Dave Langfeldt GM	RT	1330	WVWVq	Bob Jansky CE	ES
640	KfJq	Martha Collins CE	EB	1360	KXJJI	Brian Maas PD	OA
640	WCRVHz	Mark Loefel GM	EB/ES	1360	WVDBJmbz	Deborah Sizer CE	KT
640	WTVYb	Stan Bowman GM	DT	1370	WVNYLz	Janel L. Luntell M	DT
650	HJKJLb	Antonio Pardo Garcia Ge	DT	1390	WDCVWbz	Sue Bahner M	RT
650	WSMI	Tom Bryant Prodm	TB	1390	WXTCI	Ken Patch GM	ERC
670	CKXOp	Ken Ash PD	ES	1410	WVMSXk	U/U	ERC
670	WVWEI	Emilio Milian III	ES	1430	WVANCm	Joe Cooper GM	RT
670	WVYLSI	Tim Craddock PD	RA	1440	WVMBJb	James R. Murphy Doe	RT/EB
690	WJOXJ	Dawn Morse THD	RBNC	1440	WSSJLm	Jim Grelman CE	RT
740	WVJQbJ	Peter George CB NRC	EA/ERC	1460	KXPRJb	Doug Koehn	OA
790	KOQOLz	Ed Prince P/GM	OA	1460	KTLAJ	Malhon Moore PD	OA
810	WQVZJ	Bob Brown M	ES	1460	WVBSJ	Ron McGrew CE	DT
830	HUJbJ	Jing Radhames Castellanos Doe	DT	1460	WVNZJm	Kyle D. Dickson CE	ERC
860	WVGRUJ	Paul Mueller CE	DT	1470	WQVYJbZ	Terri Fischer	RT
880	WVREJL	Doug Leonard CE	RT	1470	WTKOp	Jim Gilmore	ES
900	KZPJKz	Marlyn Savage M	OA	1490	KRRJLm	Lee Jackson Opm	OA
930	R. Anullis	P. A. Mendes For CE	DT	1520	WQAMmb	Jim Hemingway CE	ERC
930	WTKZJ	Mike Kimer	ERC	1540	WVFCRp	Mike Guldori CE	ES
960	WVJLmJ	Glen Rogerson CE	EB	1540	WVREJ	Herb Pollard GM	ES
970	WVAVGqaz	Sere Perry CE	RT	1540	ZNSJLl	Michael Thompson AGM	DT
970	WZANJb	Chuck Bullett	ERC	1570	KCRNz	Michael Murphy P/GM	OA
980	CKRMJbZ	M. David Ellis CE	BB	1580	WTTNI	Donald D. Sabatke GM	OA
1020	KCVHJ	Susan Briggs NxD	OA	1590	KDJSI	Stere Hall	WH
1030	WBRZq	U/U	EB	1600	WVBSJL	Robert O. Beckstrom Doe	ERC
1040	WVFXJ	Rick Belke CE	ERC/NA	1620	KXD58Jl	Doug Maline M	ERC
1110	WVNWmb	Patrick Cass GM	ERC				
1150	WDEJLl	William Blaz ACE	DT				
1150	WVHRyJb	Steve Brown CE	BB				
1150	WVJbJl	Kelba Soles CE	DT				
1150	WVNDBlz	Phillip W. Angley CE	DT				
1160	WVJDbq	John D Huntin CE	OA				
1160	WVNVJm	Les McNeilson GM	ERC				
1170	WVDFBjz	Mildred Drake	KT				
1180	WVHAMq	Randy F. Ottaker CE	ES				
1190	WVWCJz	Mike McKnight	EB				
1190	WVDBJL	Serge M. Arroyo P/CR	DT				



The improved NRC AM Radio Log, 14th Edition, is the most accurate listing of AM radio stations in the U.S. and Canada, with cross-reference listings. 3-hole punched for standard binders. Only \$16.95 to U.S. and Canadian members, \$19.95 to U.S. non-NRC members, \$20.95 Canadian non-NRC members, \$21.00 to Latin America, \$21.00 to Europe, \$24.00; rest of the world: \$28.00.

Order from: NRC Publications - Box 164 - Magnisville, NY 13661 (NY residents, please add sales tax)

Contributors	1200	WNSW	Michael O'Hara M	ERC
Elliot Straus	ES			
Don Treford	DT			
Ole Alm	OA			
Ray Arnuda	RA			
Robert Taz	RT			
Eric Dueneman	EB			
Wayne Heinen	WH			

Station Profile

Tony Fitzherbert
356 Jackman Avenue
Fairfield, CT 06430-1728

A special feature about a unique station

WPOP NEWS/TALK RADIO 1410AM

The call sign WNBC, for decades, identified that network's 50,000 watt flagship station on 660 kHz in New York City. However, this call was originally assigned to a tiny 250 watt daytime station in New Britain, Connecticut, in 1935. Here is the profile of that station which today has grown to the 5000 watt WPOP-1410. WPOP is a major news and information source for residents of Central Connecticut. Today, WPOP is licensed to Hartford, the Nutmeg State's capital city, best known as the insurance capital of the world. This city of 150,000 people is located on the Connecticut River, in the middle of the state.

WPOP began broadcasting on 1380 kHz on July 15, 1935, under the call of WMPF from its studio and transmitter site at 147 Main Street, New Britain. Its owners was local businessman William Saunders. One day later, the FCC granted WMPF a call change to WNBC, for "New Britain, Connecticut".

A year later, needing additional space, WNBC's facilities were moved to land at its present transmitter site on Cedar Street, Newington, and in 1937, WNBC received FCC permission to increase its daytime power to 1000 watts, with a 250 watt nighttime signal. The station broadcast from 7:00am to local sunset with the slogan "Serving Central Connecticut". In 1938, the station went to full time operation, and added the NBC Blue Network. The FCC permitted WNBC a night power increase requiring a directional pattern to protect KQV, Pittsburgh, and WISN, Lacrosse, Wisconsin. Two Truscon self supporting 178 foot towers were installed at the Cedar Street location. These towers are still in use today.

In 1940, WNBC opened a downtown Hartford studio at 54 Pratt Street to supplement its New Britain operation. And in October 1940, WNBC received permission to increase its daytime power to 5000 watts.

On Saturday, March 29, 1941, "Moving day" came for WNBC as it did for most North American broadcasters. WNBC moved to 1410 kHz, as required by the NARBA Treaty.

Other pre war changes brought a new Westinghouse 5 kw transmitter, and WNBC began operation on two different patters for day and night operation. In 1942, the FCC allowed WNBC to change its city of license from New Britain to Hartford, and increase its night power to 5kw.

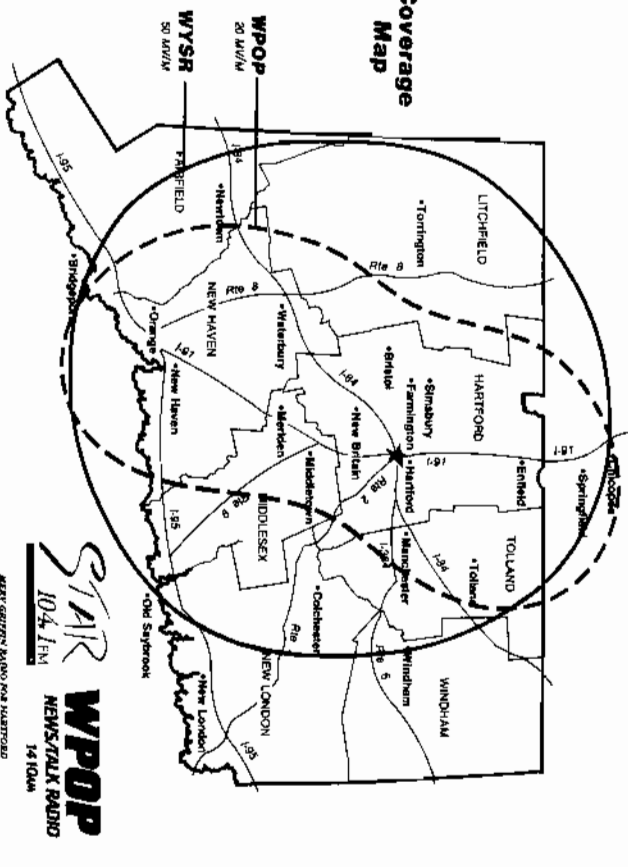
In 1944, the Yankee Network bought WNBC for \$220,000. This group owned the New England - wide Yankee Network, and WNBC-680, its 50,000 watt Boston flagship station.

The new owners affiliated with another defunct Connecticut institution, the Guy Gannett - owned Hartford Times (with a circulation of over 150,000). The call was changed to WHTD (for "Hartford"), in October 1944. A year later, WHTD dropped its ABC (ex NBC Blue Network) connection and added both Mutual Broadcasting programs and the Yankee Network feed, consisting primarily of ten minute news casts at 8:00am, 1:00pm, 6:00pm, and 11:00pm, and the Yankee Kitchen cooking show each afternoon.

In the late 1940's the call changed to WONS, and the station was sold several times. But in 1953, the General - Times TV Corporation was formed to operate a new television station, on Channel 19, as well as WONS. 1410's call was changed to WGRH, for Gannett Times Hartford.

In 1956, WGRH was again sold, this time for \$240,000, and the call WPOP replaced WGRH - approximately for the Top 40 musical format which was gradually replacing the network shows. WPOP and its music format greeted the station's listeners on August 1, 1956. And ABC and Mutual programming was phased out by 1959. The popular, comprehensive Yankee Network newscasts were retained. WPOP management faced the challenge that the network was establishing themselves on television, and radio had discovered the success of music formats, hosted by "personalities", and WPOP hopped on this approach....as did its competition.

Coverage Map



WPOP moved from its Pratt Street location to 410 Asylum Street, and in 1961, it dropped the Yankee Network, operating around the clock with a popular music and locally produced news format. In 1963, WPOP abandoned Hartford, moving its studios and offices to its present location - 593 Cedar Street in suburban Newington.

By the mid 1970's, WPOP's all music format began to lose listeners to the budding FM technology. The success of all news formats in New York, Boston, and other major markets prompted a decision to switch to a news and information format fed by NBC's delunco News and Information Service. WPOP went all news on July 1, 1975. The station carried all news 24 hours daily, and affiliated with CBS in 1977, when the NBC News and Information Service ended.

WPOP was bought by the Greater Connecticut Broadcasting Company in 1973, for \$2,750,000. This organization is primarily owned by TV personality Merv Griffin.

More recently the station's all news format has been reduced to a morning drive time news block from 5:00am to 9:00am weekdays. The weekday programs continue with local author and talk show host A.J. Austin from 9:00 to noon. Judy Jarvis, hosts her syndicated talk show from noon to 3:00pm. Former five term state senator Tom Scott holds the 3:00pm to 7:00pm slot, and in the evening, Bruce Williams and Talknet air. Jim Bohannon is carried overnights. Wall Street Journal Business Reports are aired each hour. A seven person news team of reporters and anchors keep listeners well informed about local and state happenings. ABC News is carried at the top of the hour.

WPOP's Cedar Street home is a beautifully equipped single story building. Beyond a spacious office area, in the center of the building is a huge control room, surrounded by four satellite studios, the news room and its studio, a production room, and the FM studio for soft adult contemporary - formatted WYSR, "Star 104.1 FM". Also included is a work room for WPOP Chief Engineer Frank Clifford.

WYSR moved to Hartford from Waterbury some years ago, when its strong signal carried country music on "Merv Griffin Radio" across the state. It now broadcasts a live assisted format of hits from the 80's and 90's.

WPOP's two tower array is located two miles west in a low swampy area. The night signal is essentially a tightening of the day pattern. Also at the transmitter site is found a small building containing a tiny studio, plus the transmitters. Included are the 1941 Westinghouse, the currently used 5X5 Harris and its backup, a 1950 Gates BCS P2.

In his role as chief engineer, Frank has received DX reports from all over the eastern part of the United States. However, he is most proud of reports from Germany, Haussasand, Sweden, Gambatolla and Bologna, Italy, and from Finland and Turkey. His QSL is a very attractive card showing the outline of the impressive Hartford skyline.

WPOP today remains, almost 60 years after its air date, a major, Connecticut - oriented source for news and information, as well as locally produced talk for residents of central and coastal Connecticut.

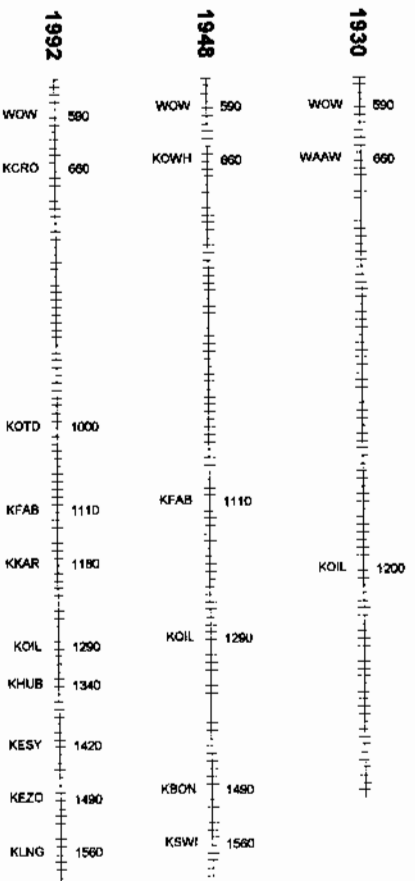
The NRC thanks WPOP CE Frank Clifford for the extensive information supplied for this WPOP Station Profile. Likewise, the association thanks Frank for his comprehensive tour of the WPOP transmitter site, as well as that at WTRC during the 1993 NRC Convention at Enfield. Frank's assistance contributed to a most memorable convention.

Now and Then John D. Bowker

Dial changes in AM markets, from 1930 to 1948 to 1992

OMAHA MARKET

(KFAB WAS LICENSED TO LINCOLN IN 1930)



AM Station Map Book, 2nd ed.

\$8.00, postpaid.

Director of Engineering, WPOP, is seeking a highly qualified individual to fill the position of Chief Engineer. The successful candidate will be responsible for the overall operation of the station and will report to the General Manager. The position requires a minimum of 10 years experience in radio broadcasting. A BS degree in Electrical Engineering is preferred. Salary commensurate with experience. Send resume and references to: WPOP, 593 Cedar Street, Newington, CT 06457. Equal Opportunity Employer.

Target DX

Bruce Conti bc@askcon.com
 46 Ridgeland Drive
 Nashua, NH 03062-1174
DX'ing 'smart', with skinned lips and requests by NRC members

Writing a good reception report benefits both you and the DX community. You benefit with a high percentage of responses, and the DX community benefits from a higher level of confidence and improved public relations with broadcasters. Conversely, a poorly prepared report can result in a broadcaster deciding not to waste any more time providing responses to any and all DXers. Here are a few tips on reception report writing, based upon my own formula and style.

BASIC OUTLINE

The basic report can be divided into five sections: (1) an introduction, (2) program description, (3) reception conditions and equipment used, (4) request for a verification, and finally (5) your personal comments. The following examines each section more closely. As you read on, check out the sample report I've made up, to get a better idea what each section might look like.)

(1) INTRODUCTION

A report should begin with a brief introduction, usually only a two or three sentence paragraph. I usually begin by introducing myself as a radio hobbyist. I then state that the radio station was received in my home, outlining information such as the call letters, frequency, station location, and time of reception. The introduction is just that: an overview, stating the facts, to prepare the reader for what lies ahead. This also provides the person responding to your report quick access to the statistics for the verification.

(2) PROGRAM DETAILS

The next paragraph consists of a description of the program material that was heard, so that reception may be verified. After an opening sentence, I prefer to simply list program events chronologically with time markers. The listed time is per the station location, or UTC for international DX. This makes it easy for the reader to scan your report for verifiable information, without having to convert to local time.

The program material you choose to list is important. Everyone knows that commercials are good material to report, because stations will log when ads are broadcast to verify billing. But network commercials are virtually useless, since there

could be several stations on the same frequency carrying the same network program. So when you hear Willard Scott's accolades for Ripvan Plus, you may include this in your report, but it's not necessarily verifiable. Listen for ads during the network breaks. If you hear an ad for Joe's Garage on Main Street, then you've got something. Of course, you'll want to include station IDs, slogans, and format information. This can be mentioned in a sentence or two to wrap-up the paragraph on program material.

(3) RECEPTION CONDITIONS

In this paragraph I list the equipment used to receive the station, and describe the reception conditions. This may include describing interference from other stations, weather or atmospheric conditions, and a comparison to normal reception. You may want to compare the station's signal to others broadcasting from the same region, as a point of reference that the station can relate to. Try not to get too technical in describing the equipment and conditions unless you know that an engineer will be reading your report. Most domestic stations no longer have full-time communications engineers, so someone from the air staff or the sales department is just as likely to read your report.

(4) QSL REQUEST

The key here is to be polite, but don't overdo it. Simply ask for a QSL card or letter confirming your reception, and say "thank you". Mention any enclosures here, such as postage stamps, IRCs, or report forms, that make it easier for the station to reply. Then try using the power of suggestion to stimulate an interest in your report by the entire staff, as I have done in the example. This alone can improve your chances of receiving a response.

(5) PERSONAL COMMENTS

A final paragraph containing any notes on how much you enjoyed the programming, or your interests in radio, is optional but can help make your reception report more personal and interesting. Back when WKOX moved from 1190 to 1200, I wrote a report in which I mentioned how much I enjoyed listening to their Sportlight sports talk show, commenting on the knowledge and high-spirited discussion of the host. The WKOX

December 20, 1993

Radio Station KBHR
 122 Main Street
 Cicely, AK 99531

Dear Radio Broadcaster:

(1)

On December 19, 1993, from 8:30 to 9:02pm Alaskan time (5:30-6:02am EST, December 20), I had the pleasure of listening to radio station KBHR broadcasting on 570 KHz, while monitoring the medium wave broadcast band for distant stations in my home in Nashua, NH. I'm a radio hobbyist, who enjoys listening for distant (DX) AM radio stations. The following is a report on my reception.

(2)

First, an outline of what was heard, so that you may confirm that it was indeed KBHR heard here.

ALASKAN TIME PROGRAM DESCRIPTION

- 8:30pm -First tuned in, to hear new age music.
- 8:35pm -"K-Bear" ID, announcer's name was Chris
- Roslyn's Cafe" commercial.
- Poetry reading and folk music.
- 8:50pm -"Village Pizza" commercial.
- 9:00pm -ID: "K-Bear radio, KBHR Cicely, the voice of the Arrowhead Valley."
- Local news and weather.

(3)

I received KBHR with the Sony ICF-2010 communications receiver, and two 75-foot wires connected to a home-brew antenna phasing unit. The phasing unit allows phase-cancellation of a dominant signal so that other signals on the same or adjacent frequencies can be heard. Normally, the dominant signal on 570 KHz is WMCA New York. With the WMCA signal phase-cancelled, the KBHR signal came in, but with some interference from an unidentified CBC station from Canada. By 9:00pm Alaskan time, other stations on 570 KHz were signing on for the day, and eventually the KBHR signal was lost. KBHR is the first and only radio station from Alaska that's ever been heard here at my listening post in Nashua, NH.

(4)

I would like a QSL card or letter confirming my reception of KBHR-570 Cicely, AK. A stamp is enclosed to cover return postage. The Broadcaster's Guide To DX is also enclosed, explaining more about the hobby of long distance radio listening. Thank you for taking the time to verify reception. I hope this report has been of interest to everyone at KBHR, and wish KBHR continued success. 73s

Sincerely,

Bruce A Conti

SAMPLE RECEPTION REPORT

staff was so excited about my letter, that they telephoned me and put me on-the-air to talk sports and radio, even though WKOX was only about 40 miles away! And when I mentioned in a report to Radio Habana Cuba that I liked merengue and salsa music, they sent me a 7" hit single from a Cuban band with the verve!

MORE TIPS

In general, reception reports should be limited to one page, especially for domestic reports. Most stations are operating on extremely tight budgets. The more concise your report is, the better the chances are that it will be read in its entirety.

Keep it simple. Unlike shortwave broadcasters, domestic stations may not be familiar with DX terminology, so try to use everyday plain English. Don't use the SINPO code. It'll be meaningless to non-DXers.

WKOX
AM 1200

Include *The Broadcaster's Guide To DX* with your report, available from the 1994 NRC *Product Catalog* at \$1.25 US per 20. For international reports, French and Spanish broadcaster's guides are also available. If your report is to a French or Spanish speaking country is written in English, then a French or Spanish reception report form should be included; sold at \$5.00 US for 50 in the product catalog (NRC Publications Center, P.O. Box 164, Mannsville, NY 13661-0164). Even if you're able to write in French or Spanish, include a report form. It can help recover anything lost in your translation, especially if you are not used to writing in a foreign language.

For international reports, include two International Reply Coupons (IRCs), available at most US Post Offices for \$0.95 each. While it may be frowned upon by many in the DX community, it's recommended that one or two US dollar bills are also included. Many

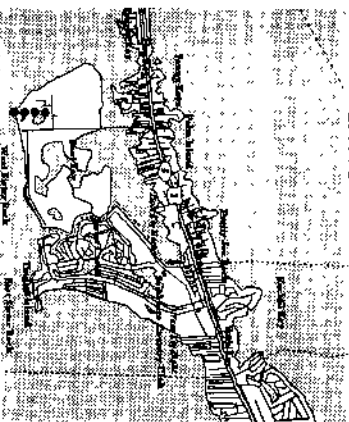
smaller local stations have become accustomed to receiving cash with reports. Some claim it's easier to convert US dollars because the local post office doesn't accept IRCs. And don't use airmail stamps with the US flag, especially if sending mail through politically sensitive regions. The negative connotation of the red, white, and blue in some parts of the world may result in your mail never arriving at its intended destination. There are other commemorative airmail stamps available, or you can go to some post offices for metered mailing.

TARGET DX REPORTS

Hopefully, this has helped you with your reception reporting. If you have other tips you would like to share on reception reports or any other topics, feel free to write to *Target DX*. Your contributions to the column are always welcome. 73s

TOWER TIP

WTFEG - 1300 - Marathon, FL
2300 / 2500 Wats U3



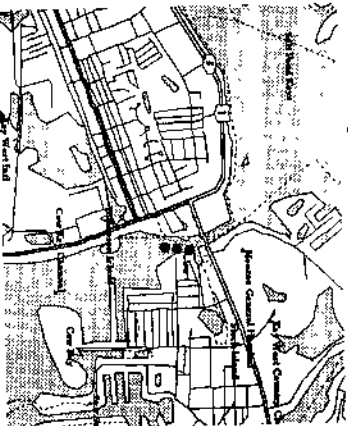
CONTRIBUTED BY: Steve White

WHAT TO LOOK FOR: 4 towers in a line at 20th Street a mile south of US-1. (Radio Marti also uses 4 towers about 2 miles to the east.)

COMPOSED BY John D. Bowker

TOWER TIP

WKJZ - 1500 - Key West, FL
250 / 250 Wats U3



CONTRIBUTED BY: Steve White

WHAT TO LOOK FOR: 3 towers in the bay next to Stock Island, visible from US-1 just as you cross the first bridge leaving Key West.

COMPOSED BY John D. Bowker

DID YOU KNOW that some broadcasters are now connecting into cable TV systems and to distribute special audio programs? Some are relying on new digital audio to their nearby cable systems, a New Jersey cable system is relying on the BBC and a Florida cable carrier a Greek program service. It's a source of new income for the broadcasters.

A DXer's TECHNICAL GUIDE

Now in its 2nd edition, this 120-page book answers questions on receiver and antenna theory (how to improve their performance), how audio filters and loop antennas can improve DX (and hints on their construction), how to build a beverage and phasing unit, and much more. Only \$5.50 for NRC/IRCA members, \$6.50 for non-members (overseas airmail add \$2.50). Order your copy today from IRCA Bookstore - 9705 Mary Ave. NW - Seattle, WA 98117.

NRD-525: Filter Mods - by Dallas Lankford

Much has been written about NRD-525 filter mods, and a number of filter mods have been offered for the NRD-525, but in my opinion many of these previous mods have made little difference in the performance of a 525 despite the claims of satisfied users (I call this the emperor's new clothes phenomenon), and in some cases 525 performance has actually been degraded. For example, if you merely solder a Collins PD type filter into the AUX (or NARR) position without appropriate impedance matching, the PD filter will have excessive ripple, which distorts the audio of received signals. And if you believe that putting a Collins FD455FD29 (2.9 KHz BW) filter in a 525 turns it from an overpriced scanner into an outstanding DX rig, then you are suffering from the emperor's new clothes phenomena (first of all, there is not a hill of beans difference between what you can hear with the original 525 INTER filter and a 2.9 KHz BW Collins PD filter, and secondly, unless you impedance matched the PD filter correctly, the recovered audio with the Collins PD filter is probably more distorted than the original INTER filter). Others believe that by cascading filters, such as with the ESKAB add-on filter board, you can dramatically improve the ultimate selectivity of a 525. But this is simply not so. The ultimate selectivity of a 525 is limited (to about 86 dB for a 6.0 KHz filter) by the phase noise of the 1st local oscillator, and no amount of filtering after the first mixer can improve this. There is a slight amount of filter leakage in an unmodified 525 (probably due to radiation from the filter impedance matching chokes), but this can be easily and cheaply fixed by replacing the original filter impedance matching chokes by toroid chokes as pointed out in my recent article "NRD-525: Filter Leakage" (see *DX News*, Vol. 60, No. 26 - May 31, 1993, pages 37-40). The ESKAB add-on filter board is sometimes justified as a means of reducing the weak-signal hiss which some 525 users complain about. However, I don't find the hiss very bothersome, and anyway, an onboard audio filter is a better and less invasive solution to the hiss problem if you find it annoying. Moreover, an easier and cheaper (free!) solution for the hiss problem was pointed out to me by Dennis Wright: merely readjust the IF AGC level to a higher value. The 525 service manual calls for an AGC output at TP1 on the CAE-182 board of about 85 mV RMS. With a level of 160 mV RMS, the hiss is greatly reduced. If the ESKAB add-on board isn't pricey enough for you, you can contact Pühler Electronics (Dipl.-Ing. Peter Pühler, Almstrasse 3, 8019 Steinhöring, Germany, Tel. 08094/631) and replace your entire CAE-182 board. I can't quite piece together his options and prices, but it appears you can easily spend about \$1000 for a CAE-182 replacement board loaded with filters (including 2.0 KHz and 4.0 KHz R-390A filters). Or if you simply must have some Collins filters in your 525 because all of you friends have Collins filters in their 525's, you can buy some of the near little Collins torsion filters and replace your stock 2.4 KHz BW INTER filter and stock 5.7 KHz BW WIDE filter with 2.5 KHz BW and 6.0 KHz BW torsion filters. However, the 2.5 KHz torsion filter is no better and no worse than the original INTER filter, while the 6.0 torsion filter is a bit wider at the -60 dB down points (about 10.3 KHz) than the original WIDE filter (about 8.3 KHz). This is, of course, another of the many "emperor's new clothes" modifications available to you.

Having said all of the above, and knowing full well that some other filter would not enable me to hear anything that I could not already hear with the stock filters (and hear about equally as well with the stock filters), I have still wished that there was a 3.1 KHz BW filter available for the 525. My reasoning was that the 3.1 KHz BW would pass a bit more audio than the INTER filter, and thus be a bit easier on the ears than the INTER filter. Very recently Kiva Electronics granted my wish, actually doing much better and providing me with the filter I should have wished for: an NTK CUF-D2 filter with a -6 dB BW of about 3.9 KHz, and a -60 dB BW of about 6.1 KHz, with a shape factor of about 1:1.6. I am used to thinking in terms of the old Collins PD filters with about 1:2 shape factor, which is why I had a 3.1 KHz BW in mind (for a -60 dB BW of about 6.2 KHz). In my experience, the -60 dB BW of a filter for tough DX situations should be about 6 KHz. The special-order CUF-D2 filter provided by Kiva Electronics meets this condition, with the added bonus of a 1:1.6 (approximately) shape factor, which lets more audio through at the top for a more pleasant DXing experience. If you are interested

In purchasing a similar filter (3.4 KHz to 3.9 KHz BW), contact Craig Siegenhalter at Kiva Electronics, 612 South 14th Avenue, Yakima, WA 98902, tel. (509) 453-5492 for price and availability. It is my understanding that these filters will be priced in the neighborhood of \$70, and that an adapter board for installing it in your 525 (and maybe 535) may also be available from Kiva Electronics.

Installation of the CLF-D2 filter is actually quite simple if you don't mind losing your nominal 5.7 KHz BW WIDE filter because the CLF-D2 is identical in shape, size, and pin-out to the stock WIDE filter. This is what I did initially to evaluate the CLF-D2 filter. (It is a winner.) But I never intended to do without my nominal 5.7 KHz BW WIDE filter, and in short order developed an adapter PC board for my WIDE filter which bolted and plugged into the vacant AUX position on my CAE-182 NRD-525 filter board. The details of this modification are given below.

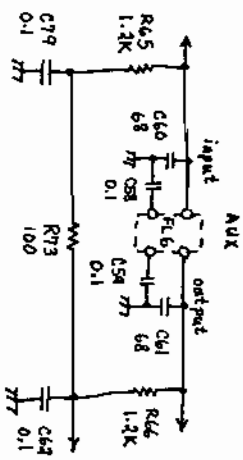


Fig. 1

To use AUX,
move jumper
from BC to AC.

Fig. 2

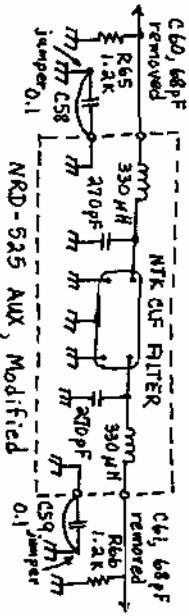


Fig. 3

Fig. 1 is a simplified schematic of the AUX filter circuit. Fig. 2 shows how to enable the AUX filter position: move the jumper W1 from BC to AC. Fig. 3 shows how to modify the AUX circuit to accept an NTK CLF type ceramic filter. The two surface mount capacitors C60 and C61 are removed, and the two surface mount capacitors C58 and C59 are jumped. (To remove C60 and C61, use some ChemWick Lite 0.100 desoldering braid to remove the excess solder from both ends of the SM caps. Then use two 23 watt soldering irons with blade tips to lift the SM caps off the 525 filter board after heating the SM cap ends for about 10 seconds. The jumpers for C58 and C59 may be short lengths of #24 tinned solid copper wire bent into a U shape, with ends flattened by applying pressure with miniature needle nose pliers. Bend the end-flattened U shaped jumper wires so that the flattened ends act like "feet" to hold the U shaped jumpers up above the 525 PC board with the flat "feet" sitting on the SM cap PC board trace pads.) The original WIDE filter (also an NTK filter) and associated impedance matching circuitry are mounted on a PC adapter board; see Fig. 3 (the parts inside the dashed lines), and Fig. 4. If you compare Fig. 3 with the 525 schematic, you will see that what I did was modify the AUX circuit so that I could duplicate the original WIDE impedance matching circuit. The two 330 microhenry chokes should be toroid chokes like I used to eliminate filter leakage, namely 25 turns of #22 enameled copper wire on Amidon FT-50-43 ferrite toroid cores. Amidon FT-50-61 ferrite toroid cores may also be used, but more turns of smaller wire are required, namely 64 turns of #24 enameled copper wire (in two layers). The dimensions of the adapter

NTK CLF Filter Adapter Board (bottom view)

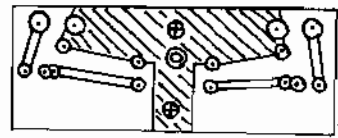


Fig. 4

NTK CLF Filter pin dimensions

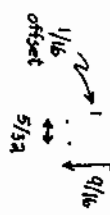


Fig. 5

CFH-36 IF Filter AUX & NARR Spaces

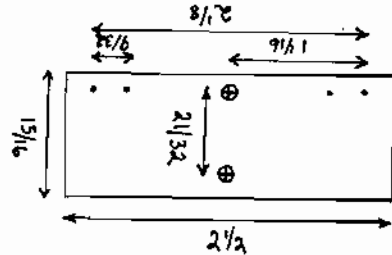


Fig. 6

PC board layout can be determined from the CLF pin dimensions in Fig. 5 and from the AUX and NARR space dimensions in Fig. 6. I used epoxy glass base PC board material (GC cat. # 22-260) and Radio Shack Direct-Etching Dry Transfers cat. # 276-1577A (made in USA, or made in Holland; avoid made in Taiwan). The shaded area in Fig. 4 was filled in with a PC Board Resist Marking Pen (RS # 276-1530A). The PC board was etched with PCB Etchant Solution (RS # 276-1535A).

You could use Radio Shack PC board material, but I don't like the Radio Shack PC board material; the GC epoxy glass base PC board material is much superior. The two large holes on the adapter board are for 4-40 mounting screws. I drilled the holes with a 1/8 inch drill to clear 4-40 screws, then enlarged the holes slightly with a small circular file to facilitate mating the adapter board with the holes on the CAE-182 filter board. I also enlarged the holes on the CAE-182 board slightly, again to facilitate mating the adapter board. Enlargement of the CAE-182 board should be done from the copper foil side. Ground pads surrounding the holes limit the amount of enlargement which should be done. "Pin-outs" from the adapter board to the CAE-182 filter board were implemented with #22 tinned solid wire, bent double on the adapter board end and "press-fitted" into 40 gauge holes on the adapter board (then soldered). The 4-40 mounting hardware was implemented with 1/2 inch long 4-40 screws, with two each flat washers against both sides of the adapter board, and 4-40 nuts and lock washers to attach the 4-40 screws to the adapter board. These nuts may be loosened to align the 4-40 screws with the holes in the CAE-182 filter board. After mounting the filter, 330 microhenry chokes, and 270 pF capacitors on the adapter board, the adapter board is mounted on the CAE-182 board using flat washers, lock washers, and nuts, and then soldered at the four pin positions. The end result is a "plug-in" filter adapter board which is profession in appearance and performance.

A similar "plug-in" adapter board was made for the NARR position to use a 500 Hz Collins torsion filter; see the circuit in Fig. 7 below. In the case of the narrow Collins torsion filter, a solid ground barrier between the input and output pins was made by cutting slots into the adapter board and inserting small pieces of PC board material which were then soldered to the adapter ground plane. This precaution was taken with the narrow filter because the narrow bandwidth effectively lowers the 1st LO phase noise, permitting greater close-in attenuation. The use of a ground barrier between input and output pins for AM BW filters is not necessary (considerable shielding of input and output pins from each other is already achieved by the two ground pins and one of the 4-40 mounting screws). Measured attenuation of the 500 Hz torsion filter at 45 KHz was 92 dB, which is consistent with 1st LO phase noise.

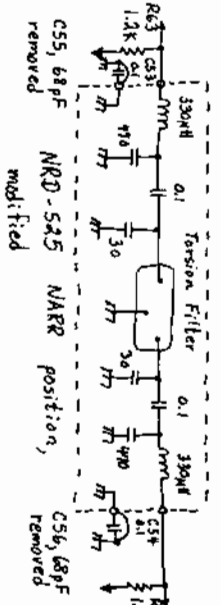
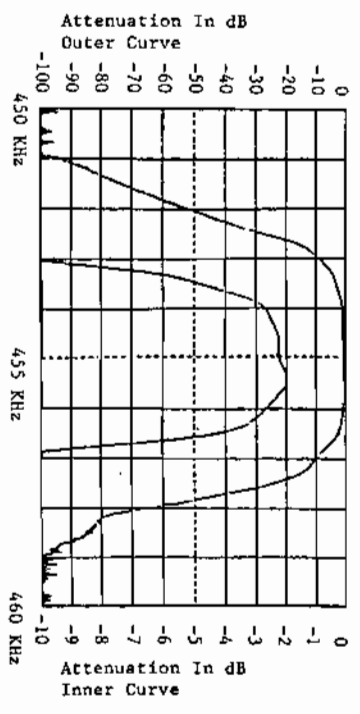


Fig. 7

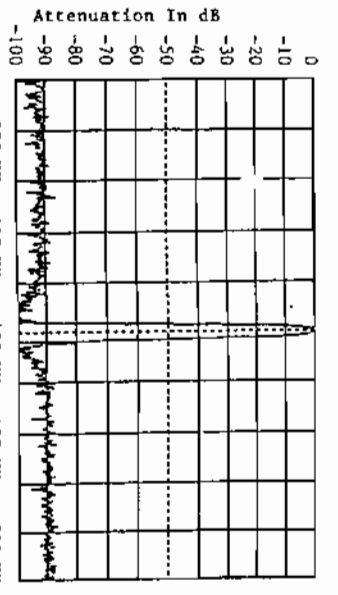
Addendum, Jan. 9, 1994

The filters which I received initially from Craig Siegenthaler at Kiwa Electronics were pre-production samples which he had received from NTK and which he generously gave to me for evaluation. Specifically, the filters discussed above were type CLF-D2 N302A. The first production run of these filters are type CLF-D2K N311A, and typical attenuation characteristics of this type of filter are given below. The "g" in the type designation denotes that the CLF-D2 filter is a special order filter which meets the specifications requested by Kiwa Electronics. You can't use any old CLF-D2 filter and get the same attenuation characteristics as a CLF-D2K filter.



Typical CLF-D2K Filter Attenuation

I derived and received four of the CLF-D2K N311A filters and measured the attenuation characteristics of three of them. The 6 dB BWs of the D2K filters I measured are running somewhat narrower than the pre-production samples, namely about 3.0 to 3.2 KHz in the three I measured. However, as you can see from the graph above (the top graph), the roll-off of these ceramic filters is not fast until about -15 dB down, so they sound more like 3.3 to 3.6 KHz BW filters. Another difference between the D2K production filters and the pre-production filters is ultimate attenuation: the D2K ultimate attenuation is much better than the pre-production filters, typically greater than 86 dB for the former, and greater than 74 dB for the latter in the 400-500 KHz range. Also, the "notches" on both sides of the passband are deeper for the D2K filters than for the pre-production filters, typically greater than 90 dB for the former, and about 83 dB for the latter. These notches, which are normal for this type of filter (see the graphs above), are typically 10 dB or more deeper than the average stopband attenuation. Moreover, the notches were what made the pre-production filters barely satisfactory for a high performance receiver like the NRD-525. Were it not for the 70.455 MHz FI1 filter and 455 KHz FI2 filter ahead of the NRD-525 455 KHz filter array, and the 12 KHz nominal 6 dB



Typical CLF-D2K Filter Attenuation

BM they provide, the pre-production filters would not have been satisfactory. The point is that for a receiver like the NRD-525, the filters ahead of the switched 455 KHz filters tend to make the attenuation of the main 455 KHz filters below 445 KHz and above 465 KHz of little concern. It is the main 455 KHz filters attenuation characteristics from about 445 KHz to the lower 60 dB filter point and from the upper 60 dB point to about 465 KHz which is crucial for overall receiver attenuation performance. To achieve all the attenuation performance the 525 is capable of, the attenuation of the main filters in these ranges should be no less than 80 dB for a 6 KHz BW filter, and no less than 86 dB for a 3 KHz BW filter. The D2K production filters meet this requirement with room to spare. The pre-production filter I have installed in my 525 doesn't quite meet the 86 dB condition, but it just isn't worth the effort to replace it for a dB or two of improvement in the close-in deep skirt attenuation of my "P2" filter. The 60 dB BWs of both the pre-production and the D2K filters are very uniform, typically about 6.0-6.2 KHz.

In addition to the NRD-525 and NRD-535, the CLF-D2K N311A filter should be suitable for use in other solid state receivers and portables which use 455 KHz IFs and which are designed for filters with about 2000 ohm source and load impedances. If the original filter pin dimensions do not match the CLF pin dimensions, it should be feasible to mount the CLF filter by attaching short wire leads to the CLF pins (the leads should be as short as possible, and should be well crimped and soldered), installing a small copper foil barrier between the input and output pins of the CLF filter, and by appropriate positioning of the short wire leads, install the CLF filter in place of the original filter. This approach is simpler and as effective as trying to devise a tiny PC board adapter. Portable receivers suitable for this approach include the Sony 2010 (maybe, Radio Shack DX-400, and Uniden CR-2021. Though production ceased in 1986, the DX-400 and CR-2021 are still two of the best performing all-band portables, and well worth the expenditure of time and money to upgrade its narrow filter to a CLF-D2K N311A if you didn't already upgrade its filters many years ago when Radio-offered its pin-for-pin compatible filter upgrades for them. And while you are at it, you should get an LF-H4S filter from Kiwa Electronics; it is a 6 KHz nominal BW filter which is pin-for-pin compatible with the original "super-wide" filter in the DX-400 and CR-2021. I don't have any personal experience with the Sony 2010, but according to Gordon Darling's review, "Modifying The Sony ICF-2010/2001D," in Fine Tuning's Proceedings 1990, and according to ceramic filter data I have in my archives, the 2010 filters are pin-for-pin compatible with NTK LF-H type filters. This means that the 2010 wide filter can be changed to a nominal 6 KHz BW with a pin-for-pin compatible LF-H4S filter, available from Kiwa Electronics. Replacing the 2010 narrow filter with a CLF-D2K N311A may not be easy (Darling remarked that filter type changes for the 2010 are difficult because of limited space and because components are flow soldered on both sides of the PC board). However, it would be well worth the effort to install a CLF-D2K N311A filter in the 2010, and Kiwa Electronics may even offer an adapter module for the 2010 by the time you read this. (Contact Craig Siegenthaler at Kiwa Electronics for information on the possible availability of such a mod.)

The CLF-D2K N311A is also an admirable candidate for installation in top-of-the-line 455 KHz IF hollow state receivers, such as the R-390A, provided you do appropriate impedance matching (with attention to AGC feed if needed). That's why I bought four D2Ks. As a matter of fact, I've had a CLF-D2K operating in place of the useless 16 KHz R-390A mechanical filter for the past few days, and I am quite pleased with the result. For difficult MW splits, the CLF-D2K provides a slight but noticeable improvement in recovered audio compared to the R-390A 2 KHz and 4 KHz mechanical filters. For this application, I used the D2K with the narrower 6 db bandwidth, about 3.0 KHz. Also, a 6.7 KHz bandwidth LF-H45 ceramic filter was used between the last R-390A mixer and the input to the crystal filter, ahead of the first IF amplifier. This may have contributed to the improvement due to the D2K filter. The measured 60 db bandwidth of this cascaded combination was 5.8 KHz, while the 80 db bandwidth of 8 KHz for the 4 KHz mechanical filter. These complex R-390A filter mods will be the subject of a future article.

In 50 years, Sakowicz has perfected old-style radio

By Dan Hendrix
Special to WGN-TV

If you want to get a taste of what Chicago radio used to sound like, check out "The Sig Sakowicz Show" from 10 to 11 a.m. Monday, Wednesday and Friday on WGN-TV, this is WGN's first talk show. Sig Sakowicz takes listeners with such big names as Bobby Vinton, Tony Bennett, Pat Zoyne and Mabley Anderson with decidedly old-fashioned musical entertainment and classic old-time listener dedications.

It's a style of radio that is decidedly old-fashioned, a compliment, Sakowicz said over the phone. He worked for 14 years when he was in the radio business. Many of the dedications today are for the "oldies" feature on my show have stood the test of time.

Last week, Sakowicz, who is also music director for the Polish National Alliance, was honored for his Polish radio station, the North Shore Radio, in April, and won the National Award for his work in radio.

Other recent tributes have come from the Catholic Church, which designated a Sig Sakowicz Week in April, and Gen. Jim Edgar.

Sakowicz entered broadcasting as the result of the dream of radio superstation he did about the time he left the Navy after the war. He was part of the "beatnik" movement, and he was part of the "beatnik" movement, and he was part of the "beatnik" movement.

By the end of the war, the journalist had moved to Chicago and began his radio career at WGN-TV in 1950 and later worked at WGN-AM, WTAJ and WGN.

It is said to depict: "I'm enough of doing Sakowicz quickly gained a reputation for the WGN-AM, WTAJ and WGN."



The Chicago Tribune
via Ken Oryshuk

celebrity interviews that remain his crown in radio. He and the buddy tape recorder were a familiar sight whenever above-the-steps could be found. Interviews from Dean Martin and Jerry Lewis to Mae West and Sammy Davis Jr. made time to chat backstage with him.

"The publicists had no trouble finding their big-name stars on shows," Sakowicz said. "But I used to put them on my WGN show as well as when the Hollywood studio press people come to Chicago with their stars. My show was an automatic."

Because of Sakowicz's arthritis, a doctor recommended that he and his wife, Gene, move to Las Vegas. They did so in 1972, and for several years Sakowicz contributed regular "Vegas Insider" segments to WGN by phone.

He worked in radio and TV in Las Vegas, as host of, among other things, a celebrity cooking show. He also wrote a celebrity column for the Los Angeles Examiner.

Mixing their business, Sakowicz and his wife returned to Chicago in 1986, and he immediately hooked up with WYXX. Eight years later, Sakowicz, 70, says he has no immediate plans to give up the radio microphone.

"I've always felt that it's a privilege to have the microphone in front of me," he said. "And I've always tried to use the microphone to help people. Maybe I'm crazy, but I'm a 'people' man."

Almost as if on cue, two women interrupted Sakowicz outside the restaurant to tell him they're loyal listeners. One was even a member of the fan club. Sakowicz turned and waved.

RCMA AM-FM Almanac - 1991 Edition Reprint

RCMA has reprinted a limited number of copies of the 5th Edition of the RCMA AM-FM Almanac. Several DXers have expressed interest in obtaining the most recent Almanac edition from 1991, rather than waiting for the next complete Almanac in 1994.

◆ 1991 Edition - this is the edition sent to the press in October, 1990. Information is from 1988 thru 1990. Much of the information is still useful today.

◆ Be sure to state your preference for Looseleaf or Comb Binding. This edition is available looseleaf, ready to be punched and placed in a binder, allowing for easy updates. Comb binding is available at no extra charge if you request it.

The price for this reprint is the same as in 1991:

Non-members: U.S. - \$13.00 Canada - \$14.00 Overseas Sea Mail - \$14.00
 U.S. - \$15.00 Overseas Sea Mail - \$16.00 Overseas Air-Mail - \$19.00

Send check or money order, payable to "RCMA" in U.S. funds, to Phil Bjelkewicz, RCMA Bookstore, 9705 Mary N. W., Seattle, WA, 98117. Thank you!

Musings

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

Dave Schmidt
P. O. Box 11502
Wilmington, DE 19850-1502

PAUL MOUNT - BOX 126 - MONMOUTH, NJ 07738

--- Email:prmount@earthlink.com or PRODIGY: SWKX26B. This is a long overdue MUSING, parts of which have been formulated in my head since before the convention. I have been following the progress of many of the construction permits for new stations in NJ (included visiting the FCC in Washington to get information not otherwise available), and plan to share it with you in the near future. But this MUSE will concentrate on clearing up the confusion about the new WYNN-1160. Some of the confusion in the info that's been going around is sort of my fault, due to the way I presented some facts in a letter to AM SWYRCD editor JERRY STARR. Last fall, I wrote, "per visit to site, there are 4 towers, 4 sets of guys each, same height, in a trapezoid, unsplit, unlit. Address is 1085 Teaneck Road, Teaneck, NJ 07666". Although I was giving the studio address, with zip code (it's not often you get a street address for a tower site), Jerry took that to be the address of the towers. I don't fault him for that, after all the 2 factors were back in the same paragraph. I wrote Jerry to clarify all of this, which he did pass along, but in the meantime, probably owing to delays between when others type contributions, and when they appear, some of the misinformation has been repeated or speculated on in other parts of DX NEWS (and Teaneck isn't in the Meadowlands anyway!). Later on I will write up a full report and a station profile detailing the history of the CP right up to the present, as I've been keeping an eye on this allocation ever since it was announced about a decade ago (with over a dozen trips to Oakland looking for evidence of tower site construction). For now, here is the correct, current information about WYNN: the studio location & mailing address is 1086 Teaneck Road, Suite 4F, Teaneck, NJ 07666. I asked about a PO Box but they said use the Teaneck Road address. The towers are located on Skyline Drive in Oakland, on the Bergen/Passic County border. Oakland, the city of license, is a good 15 miles NW of Teaneck, but their signal is sufficient to keep a Teaneck studio "legal". Since coming on the air 12/13, the station has operated from 6AM till midnight. They aired classical & Christmas music only in Dec. Today, the music in the morning would be best described as a mix of "Soft" black contemporary & light jazz. Religious programs are on in the afternoon (some in Spanish have been heard). For 4-6PM are live, local talk shows focusing on local political, social & religious issues. In the evening, PD/M/Dave Glover plays black gospel music. Saturday programming includes a financial show 2-4PM. More programs are being planned, including many foreign language programs. Eventually, they plan to go NPR. GM Len Mreiszon told me that the station has already received many DX reports and that the reports can be sent to his attention. The station can be reached at either 201-405-1160 (Oakland) or 201-837-0400 (Teaneck). I have lots more information about the obstacles that kept WYNN a CP through the 80's (i.e. changes in tower sites, required antenna patterns, needed approvals from the town, etc.). This information comes from my Washington trips, newspaper articles and a conversation with the previous licensee. I plan to visit the FCC again in May, which should fill in the information gaps between my last visit there 3/92, through the fall of 93 when MIKE COLLINS was apparently the first to hear them testing. I can also tell you about the CP for 550 in Lakeside, 1550 in Seaside Park (that got changed to Toms River) & even the 89.7 for Freehold Township. Please consider me as a primary resource for such info about all NJ stations. (How about 1040 in Flemington?-DMS)

MICHAEL HANK (W05Y) - 10212 P STREET - OMAHA, NE 68127-2130

--- The 2nd annual NE area DX'pedition was just completed. NE members arriving at the Camp Calvin Crest location (near Fremont) included myself, ERNIE MESSOLOSKI, CARL MANN, WELZ ZANK, DAV BARTER, JR., & JOHN NITSICK. From MW, RANDALL TRAPP, MIKE BATES, GEORGE SHERMAN & JOHN PETERS. PAUL SWERRINGEN was the lone one from KS. It was truly a good experience, a chance to see many great DX-ers & DX equipment at work. We set up several antennas, including a 2000' LW tower the S, 1000' to the E/S & 1000' to the W & more. Unfortunately, someone (or something) else staying at the camp enjoyed cutting and stealing our wire & spools. SW conditions didn't seem that great, MW was average to slightly above & LW seemed very good. I only heard 3 new AM stations, and a surprise was a 30db over S9 appearance of KXYL. The beacon on 1685 (MERR) was also very strong. I actually logged more states, countries & total stations on LW than on MW however. Despite the disappointing conditions & problems with our antennas, the accommodations were very good. The food was good, the room warm (helpful since the low temperatures were below zero) and the management helpful. We're looking at

DDD YOU KNOW that all FCC Rules, before they are made or before they are changed, are opened for public discussion! Lots of people write in comments to the Commission once they learn of a proposed rule or rule change. You don't have to be a lawyer.

another outing in Oct. and/or next Jan. I'm sure ERNIE will provide all the details when the time comes. Since I haven't MUSED VERY often over the last year or 2, I'll reintroduce myself. I'm 17 years old, been DXing AM for 10 years (1415 heard, FM for 3 years (1125 heard), SW (mainly tropical bands) & LW for about 6 months (200 heard)). I've owned about 5 or 6 receivers at various points (including an HQ180, AYS803, R1000, & HQ140X). Recently, most of my free time has been spent working, weightlifting & applying for college admission and scholarships (a very tedious process). As for recent DX, I've actually logged 11 new stations! Some were simply stations that slipped through the cracks in my log. Others were just plain ole DX! I also traded in my R1000 towards an RT0. I really like the RT0 (much more than the R1000). After modifying the AM selectivity & enabling the preamp below 1600kHz, I consider it a real good receiver. I'd like to install one of those PLM boards that others have had so much success with, but don't know where to find/buy one. Can anyone help? I'm also thinking of buying a new loop. I'm getting tired of repairing my ugly old homemade antenna. I was very impressed with both the Quantum Loop & Kiva's loop. Not only did they perform good, but they looked very nice. That's all for now. 73

RON BALEY - 420 COMMUNITY ROAD - SHELBURY, NC 28152-8230
 Took time off from WML, went 1/28-1/30 to operate a Morse code amateur radio contest on 180 meters. Recent work on beverages - inspired to a large degree by NRC publications and members comments - enabled me to make 924 contacts in 31 countries, 48 states (missed AK) & 10 provinces during 23 hours of operation. Best DX was New Zealand, Japan, & HI. Amazingly, many of these stations could not even be heard on the transmitting antenna, a half wave inverted V at 75'. Friday mornings ice storm in PA on 1/28 may have helped signals from MAYZ (8141AM) & WMLP (8159AM) make it in here on 1380 over WTOP. Announcers at both were telling people to stay indoors. Much talk of icy roads, auto accidents, power outages, etc. "but WMLP is going strong!" then (enough doom & gloom) "the ski report is coming up next". Fair warning to JOHN BOWKER, I will be heading to Clearwater 3/23 to see my Phillips for 6-7 days. I may stop by Sun City to see if we can't get the railroad track working as a beverage! I'll be driving my 93 S10 Blazer whose AM radio is considerably more sensitive than any vehicle radio I've used lately. Very 73 fer now!

JEFF KITTER - 1600 AVON STREET EXT. - CHARLOTTESVILLE, VA 22902-8705
 1st of all, regarding DS comments about the RATL TEST, I received a letter verification, coverage map & "Cattle" key chain on 1/17. I would have gotten it earlier but my mail was delayed in forwarding to my new address. I hope that fellow NCEERS/RACERS have written Thank You notes to some of the stations who I missed some tests. I did manage to catch WJTG on both dates (weak code & what I suspect were DS's famous 2 tone siren?) (No, not mine, Jeff-DWS). WJTR ran normal programming with around 3 code IDs. I listened to WSB, but they didn't seem to be running any tests? Conditions are really good here, KGA is a nightly visitor for the 1st time in over 16 years or so. To bad the clears are broken up. Mexico's XEW, XEX & XEQ have also been in strong. MARK CONNELLY's construction projects are very interesting. He knows his stuff! Is WNRV really near Petersburg? They ID'ed as "The New River Valley, best country", the New River Valley is near Roanoke (Narrows is near Blacksburg/Christiansburg, they simulcast WBVK, Blacksburg, which is on one of the towers at WFNR-7101). In any event, they only ran 5000 watts night for a while, and packed a big signal here, drowning out WTKV/WEER/CBW. Now WTVR is back on top with no sign of WNRV. Where are the other 660 members? We never hear from them in DX NEWS! Best wishes in 1994! 73 (Glad to have you join the fold here, Jeff-DWS)

ERNEST COOPER - 5 ANTHONY STREET - PROVINCETOWN, MA 02657

Not much has happened for the last week or so - the weather and a virus which seems to have swept through this town has had me bogged down for most of this period. My doctor diagnosed it as ashamatic bronchitis, which produces much long congestion and coughing, and general lethargy. On the 2 nights before I went to the doctors, I was unable to lie down without beginning heavy wheezing and so I had to sleep sitting up in a chair for several hours those nights. So, no we hour DXing was done most of this period, until the morning after my doctor visit, when I REALLY set up and took notice, when, on 1620KHz, I heard a station saying "this is a test transmission" over & over, and then gave a call letter ID which to me sounded like WNCB740, but only once did I hear anything resembling a location, and that one time sounded like "Roosevelt Park". STAN MORRIS had alerted me to look for what I assume was this station which he was hearing at fair volume. Here, it was extremely weak and in the mid, so from that, I assume this station must be nearer to him than to me, which might put it either W of Boston or possibly in the Seacoast area of NH. Does anyone have any idea where this station is? One time, at 2:40AM, they faded up a notch and this is what I copied: "this is Travelers Information Radio Service station (calls) with a best transmission on 1620KHz from the Naval Base at Roosevelt Park?" and during this I heard Morse code repeats of "RCH" and a string of "V's" along with the voice announcements. I don't know if these were 2 different stations or just one.

Then, over to 1590 where I caught some hymns with a large choir, and what sounded like a solo flute with religious music, but I still haven't positively IDed this as WMSB, but I feel it is they, and not WJRO, also REL, with a screaming preacher with a high-pitched voice almost all the time in these small hours. And a really attractive verse came from WMTX-1270 in the form of a certificate on brilliantly colored paper, and signed by somebody named DAVE SCHMIDT! Thank you very much, Dave, whenever you are! One note on some more willight tuning, on 1/19, as I was starting up, I hit on 780 and heard CW music about even with WBRN, and announcing after every selection: KIX Country, and one time even saying KIXX Country, spelling out the letters but mentioning NS, but no actual call letters were heard, has QDR changed calls to something like perhaps CKS or CIXX or similar? Forward-March!

BRN DANGERFIELD - 202 GOVERNORS DRIVE - WALLINGFORD, PA 19086
 Hope you're surviving the wintry blasts, and if there's a winterfest meeting at Kulpville this year, things will be a little milder. And if there is to be one, I wouldn't mind participating again. (Looks like we'll have a table there again this year, Ben, nothing scheduled for the forums since we managed to do them for the last 2 years, nothing has been requested (hus fat-DWS) The good news from the 1/8 ice storm (as you are no doubt aware of, too) was that several area stations were off the air. I noted WVCH-740, WNCB-1520, WCHR-1520, WNGR-1540 & WCNZ-1590 off all day Sat. & part of Sunday. And WJBR-1290 & WMOZ-1580 were off for shorter periods. The most interesting mid-day frequency was 740 where WNSM was semi-local & CBL could be heard by looping. Stations on adjacent channels, like WCPY & WNAK on 730 & WBRD-750 were strong & clear, no longer held back by WVCH (2 miles away). On 1520, WWRB dominated all day & on 1540, WMDO prevailed although CHIN was quite strong in the early afternoon. WMBT-1530 was good on a Y/S looping. WJRO was on top of several on 1590 at noon but earlier in the morning, WFNH was coming through. I guess the Spanish spoken on 1560 (Sat.) was WMOZ but the next day, WPCQ was there and no sign of WMOZ. Tonight 1/19, WCNZ is off again and so is WVCH, which has not been on most recent nights, maybe because of the power shortage. (WVCH didn't schedule anyone due to the poor road conditions-DWS). The previous interesting period of daytime reception was at a time of unusual skywave activity in mid-Dec, typical for that time of year, that found, at noon, such stations as WHO, WHLO, CTR-1140, CBE-1550, WMOV, WVA & WME plus many others beyond their ground waves. In the last week of Dec, the RA's were quite good. On 12/24, a Ukrainian was coming in on 972 and on 12/29, Algeria-549 was in like a local. But my high point was on 12/30, just before & after 5:03PM, on 1503, there was Stargard, Poland with operatic arias (as on 6135 SW). Then on 1530 at 5PM, I heard 6 pips and the Vatican ID light on top of WCRV. The news in Italian followed. Then I tuned next door to 1521 where Duba, Saudi Arabia was in like a local. Then to 1512, which I thought would be Jeddah, but instead, there was Wolverton, Belgium with a woman in English. The Vatican station on 1611 comes in every so often in spite of the nearby Philadelphia Airport best RTS on 1610. On 12/30, I counted about 80 TA signals between 4-11PM of which around 12 had good signals, 25 some audio & the rest just beeps. The TA's were falling short in Jan., better for domestics like old standbys WBPB, W0AY & XEX-730. Some sunset catches were WBNZ-720, WKEZ-1020, WFTK-1030 & WTRX-1020. I didn't NDR on my Sept. trip to Germany, Poland, Slovakia, Hungary, Austria & the Czech Rep., but of course the DX was fascinating. I could even pick up some of the high-powered stations while travelling in the bus. However, some of the big ones are silent, or have reduced their operating hours. So far, we are not going anywhere overseas in 94.

MIKE HANDEKER - 3118 GATWAY COURT - JACKSONVILLE, NC 28546-6973
 Greetings! A few veries have trickled in: WJW46-1610 TIS at UNC Chapel Hill, returned prepared card along with a WMCN-FM (PBS outlet) bumper sticker. Radio Vision Cristiana International-535 sent a card via the Patterson, NJ address. WML948-1610 TIS at NC State University, returned a prepared card, WAGL-1560 sent a letter, coverage map & map, plotting areas from which reports were received for their DX "WEST". WYR-770 sent a partial data letter, coverage map & key chain for a report of their DX TEST, and finally, a letter to WH00-990 at address in log was returned "Forwarding Order Expired". Does anyone have a new/improved address? Regarding addresses, does anyone have an address for the Raleigh-Durham International Airport? A report to the airport for their TIS (using the RLI-Box 500 Morrisville address) was returned "Forwarding Order Expired". Signers/names will be sent to the verie column. Can you spare 199? If so, ANY-ONE who has heard the beacon SRT on 1620, please drop me a postcard with any info you may have, mainly date/time (if recorded), your location at reception and any loop bearing (rough) you may have obtained. Of course, if you know who operates SRT, that's even better! Can anyone recommend a quality TV filter (1600-1800 is being zapped)? Local Radio Shack printed and suggested I check with others before spending \$4 on a less than optimal one. Finally, on using a graphic equalizer for taping reports to stations, can anyone recommend an "ideal" settings for taping code/voice/music? Mine has settings of 100/330/Lk/3.3K/10K Hz. Thanks & very 73 & best of DX!

***And no room for me this week! CUN71