



DX NEWS

The magazine of the
National Radio Club

— SINCE 1933 —

Volume 58, No. 21 - March 4, 1991 (ISSN 0737-1659)

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CPC Calendar ...

Date	Station	From/To (EST)
Mar. 11	KTIB-640	2:00/4:00 AM
Mar. 16	KBBW-1010	1:00/7:00 AM
Mar. 18	WNLC-1510	4:00/4.30 AM
Mar. 23	KTGG-1540	4:30/5:00 AM

KTIB-640, Box 682, Thibodaux, LA 70301 will conduct a special DX TEST on Monday morning, March 11, 1991 between 0200-0400 EST. This test will include Morse code ID's. Our thanks to Mr. Ray Saadi, General Manager for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

KBBW-1010, 1019 Washington, Waco, TX 76701 will conduct a special DX TEST on Saturday morning, March 16, 1991 from 0100-0700 EST. This test will feature music, voice and Morse code ID's. Our thanks to Mr. Bernarr Howell, Chief Engineer for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

WNLC-1510, 90 Foster Rd. - Waterford CT 06385 will conduct a special DX TEST on Monday Morning, March 18, 1991 from 0400-0430 EST on day pattern and power. The test will include Morse code ID's. Our thanks to Mr. Stephen Kwefe for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

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

He joined ... Joseph Topinka WA9LAE, Berlin, IL.

From the publisher ... If you don't receive a DXN next week, don't complain ... you aren't supposed to! The bi-weeklies start then - editors,

please note.

FM DXD ... I'm pleased to announce that the editorship of FM DX Digest travels to Topeka Todd Brandenburg - 1337 SW Woodhull, #6 - Topeka, KS 66604-1864 will accept reports (after March 15) for his column, which will start up in April and run through September.

Remaining Publication Schedule, Volume 58

Issue #	Deadline	Publication Date
22	Mar. 9	Mar. 18
23	Mar. 23	Apr 1
24	Apr. 6	Apr 15
25	Apr.27	May 6
26	May 25	June 3
27	June 22	July 1
28	July 20	July 29
29	Aug. 17	Aug. 26
30	Sept. 14	Sept. 23

Where to send it? A reminder that the back cover details exactly where to send items, but money, contributions, etc. are still being mailed to the wrong addresses, delaying your renewals, publication, etc. Please check the back cover!

DX Time Machine

From the Pages of DX News

50 years ago ... from the March 1, 1941 DXN: Joe Brauner, Williamsville, NY reported "as usual with Mexicans no reply", this in reference to XEHW-1420, 1 kW heard Oct. 25, 1940 ... Pat Reilley, Jamestown, NY reported that WSYR was on most of the night covering a fire ... An entire page was devoted to an account of the "DX Experiences of Joe Becker, the Hamilton Nite Owl", beginning in November, 1929, with the prize catch TJW, Hamilton, Bermuda, with 7 5 w.

25 years ago ... from the Mar. 5, 1966 DXN: Ken Butterfield, Plymouth, MI verified Jamaica-700 ... Rick Evans, Kalamazoo MI, reported dictating his own verie during a visit to WMRR-15400.

10 years ago ... from the Mar. 9, 1981 DXN: Jerry Starr contributed a profile of WHOT-1330 Steven Paradies, Millville, NJ reported good reception on his new GE Superadio.

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 NRC members
CALL LETTER CHANGES

None

APPLICATIONS/GRANTS FOR NEW STATIONS

None

APPLICATIONS FROM EXISTING FACILITIES

None

GRANTS TO EXISTING FACILITIES

590 CFAR MB Flin Flon: changes in antenna system

OTHERNESS

- 530 CJFT ON Fort Erie: station has received grant to move to FM (on 101.1) and is rumored to be going SILENT on AM when the FM gets on the air
- 710 CHYR ON Leamington: once again is crediting their night operation here (instead of switching to 730 kHz) is due to more "transmitter problems" with the 730 transmitter, they anticipate being back on 730 in the near future.
- 750 WHEB NH Portsmouth: station is SILENT (which is a shame, for many years this station has been many DXer's only chance to log New Hampshire)
- 1170 WRJL AL Hanceville: CP to reduce power to 460 watts is on
- 1310 WDPN OH Alliance: CP for 480 watts night and U4 antenna is ON THE AIR
- 1370 WQPN WV Moundsville: station is SILENT
- 1380 WSFL NC New Bern: station is SILENT
- 1490 WLPA PA Lancaster: station has moved to new antenna site and is advertising in a trade magazine that anybody who will remove their old 218-foot self-supporting tower from a downtown 103-foot rooftop can have it for free!
- 1510 KIDZ MO Independence: station appears to be SILENT
- 1550 WNDI IN Sullivan: silent station is back ON THE AIR

THANKS: ANDY RUGG, MIKE HAWK, M STREET JOURNAL

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



KZZI

NEWS / TALK

 DON ALAN
 News/Sports
 801-485-9178

 -1510 AM-
 P.O. Box 339, West Jordan, Utah 84084

Domestic DX Digest - East

William Hale

 734 Burleson
 San Marcos, TX 78666-4335

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

- **Perry Crabill** is keeping me busy with NDB loggings! Besides his addition of a couple of new ones on 526 kHz, there have been several changes in the NDB lineup in South America, according to the latest reference material just received here. Delete the following from my list, published in Issue 13: 1160 SNG (now on 250); 1606 SRE (now on 230); 1613 RBN (now on 313); 1615 MIL (deleted); 1623 HUM (deleted); 1623 PP (now PTT on 205); 1625 PAT (now PSO on 264); 1627 NPA (deleted); 1627 SAC (deleted); 1632 APB Apolo (now on 240); 1635 LMC (deleted); 1645 TLC (now on 418); 1665 CBR (deleted); 1665 LAG (now on 353); 1665 RIO (now on 212); 1670 PAH (deleted); 1675 ESM (now on 215) and ECM (deleted - collocated with ESM); 1685 MAC Macara (now on 285); 1700 MAS (now on 415); 1715 SIS and IS (deleted). And I have 530 at Chatham CFB's calls as F9. Anybody else logging this as YCH? Maybe the book is wrong!
- Wow! The season has just about passed us by. Remember, we're bi-weekly now, so don't look for us next week. Won't be long 'til we're into the "Summer Doldrums".

SPECIAL

- 640 **WWLS OK MOORE** - 2/8 2148-2200 sports interview pgm with Southwest Conference coaches, host concludes pgm with *...only one place to get your sports information*, female with ID *Sports Radio 640 AM, WWLS Moore-Norman-Oklahoma City and 1530 AM KXTD Wagoner-Tulsa*; NRC Log lists WWLS format as CHR and lists KXTD format as REL; have both changed? (JB-TX) [I don't think so, but who knows? Any Oklahoma members listen to either of these stations? Are they all sports? -Ed.]
- 730 **CHYR ON LEAMINGTON** - back on this frequency nites as of 2/7 (REH-ON)
- 1030 **KTWO WY CASPER** - 2/6 1755 C&W mx and ad for *No Touch Car Wash*; format is C&W, not CHR; hrd many times with C&W (MH-NE)
- 1090 **WKII FL PORT CHARLOTTE** - 2/6 0700 out of the blue with *WKII ????*, serving all of *Southwest Florida* - nx by lady; city of license was unreadable and since Log sez they've applied to move to Solana I called them at 813-639-1112 to see if they had moved; fellow said they are still licensed to Port Charlotte and slogan is *K-11*; also sez they are *daytime only* (LSR - LSS) and that I heard their sign-on; all of my references (Log, BYB & MSI) say U2 4800/2500; maybe Buffalo can shed some light on this one (REH-ON)
- 1100 **KNZZ CO GRAND JUNCTION** - 2/10 0310 with wx - *This is KNZZ in Grand Junction, Colorado ending its broadcast day* (gave power, etc) - *...we are located on 1100 on your AM dial and remember, you can find us this morning at five*; KDREY off and WWWE nulled; this would be 0700 ELT sign-on rather than 0800 as in NRC Log (JB-TX) [So change 'em!! -Ed.]
- 1210 **KLDI WY LARAMIE** - 2/5 1923 OLD and *K-Oldie* slogan; not C&W anymore (MH-NE)
- 1460 **WPRW VA MANASSAS** - 2/4 1740 good with *WPRW, 1460 Country* call ID and local ads; recently reported as silent but they're back; unnl (REH-ON)
- 1490 **WOPI ?? BRISTOL** - 2/2 at 0559 hrd sign-on for WOPI giving location as *Bristol, Tennessee*, which doesn't agree with the new Log which sez Bristol, Virginia as city of license; maybe Buffalo can clarify; also WOPI sign-on differs from sked in Log (REH-ON) [My latest *Rand-McNally* shows Bristol as being in Virginia, but so close to the line you can't really tell. I've driven past there on I-81 three or four times, but never paid any attention if the signs said Bristol, Tennessee or Virginia. Maybe there are two! BYB says it's in Tennessee, and the FCC database says "Bristol, TN (Bristol, VA)" and gives the geographic coordinates for 1490 in Bristol, TN as N36° 35' 45" W82° 09' 42", which is about 2 miles north of the 1550 there. But these are only transmitter locations. The Log address is supposed to be where you can correspond with station personnel. BARRY SHINALL, this is just over the mountain from you. Can you help us out? -Ed.]
- 1520 **WVOI OH TOLEDO** - 2/10 noted on after dark; are these guys on/off? on low power?? having technical troubles?? (circle correct answer) (MJ-MI) [See 1520 Special item in Issue 19 -Ed.]

How to place orders ...

By mail: Write to NRC Publications - P. O. Box 164 - Mannsville, NY 13661-0164. . Enclose check or money order; NY residents, add state and local taxes. If ordering by credit card, you may write to NRC - P. O. Box 24 - Cambridge, WI 53523-0024; include information below plus your signature. **By phone:** Call (608) 423-4159 from 7-11 pm ELT. Have ready your VISA/MC information: Card type, number expiration date, name on card, evening telephone number. State and local taxes will be added to WI residents' orders.

- 770 WVNN AL ATHENS - may be Jim Renfrew's unID from Issue 16; the carry NWS in the late afternoons and serve the Huntsville area, thus the traffic reports may have been for there, as well (RD-IA)
- 970 WAVG KY LOUISVILLE - as far as I know WAKE hasn't moved here yet, but what Perry Crabill heard on 1/14 was most likely *Wave 970*, which would be WAVG; Da Log also sez that WAVG is OLD; as soon as WAKE moves, I'm sure Roger Winsor or Wendell Ford will have the scoop (RD-IA) ...possibly PC-VA's unID on 1/14 (Issue 17); has a NOS format and non-IDs as *Wave-970* which could have been mistaken as *Wave-970* (REH-ON)
- 1080 UNID ?? - 2/7 1902-1926 good under KRLD with T40 from the likes of *Yanilla Ice*, *Bon Jovi*, *Phil Collins*, *Depeche Mode* and *Mariah Carey*; according to the log, WDJX, KRFX and KVNI are possibilities, and the last two would still have been on their day powers; help would be appreciated (RD-IA)
- 1110 UNID ?? - 2/4 1826 over WBT/KFAB with an instrumental SSB; talk by male DJ hrd just before, which may have been sign-off anncr; mebbe WKDZ? (RD-IA)
- 1310 WGSB PA EPHRATA - per AMS in Issue 14, Frank Merrill's 12/29 unID is this; nice catch, Frank! (RD-IA)
- 1570 UNID ?? - 2/9 0729 ID as *Talk of Texas* (MH-NE)
- 1590 WONX IL EVANSTON - might be SM-MA's unID with SS (MH-NE)

DX AND EQUIPMENT TESTS

- 700 KBYR AK ANCHORAGE - 2/4 0404-0430 heard someone at 0404-0405 and again at 0412 with male anncr; also hrd song by female at 0420 and talk by female anncr at 0422, but it was so weak under *Interstate 700* that I had no way of telling if it was KBYR or perhaps JBC (RD-IA)
- 780 WABS VA ARLINGTON - 2/11 0000-0010 good with detailed ID, giving power, address and CID followed by a selection of a capella mx, repeat of detailed ID, another a capella selection; over WBBM; report sent out (BC-NH)
- WABS VA ARLINGTON - 2/11 0000-0020 good with vocal and code IDs and REL mx; faded at end; surprising strength with WBBM nulled (RUGG-PQ)
- WABS VA ARLINGTON - 2/11 0002-0100 heard nada for a long time, but stayed with it and was rewarded at 0026 when test finally nudged WBBM out of the spotlight; noted with CIDs, VIDs and contemporary GOS songs (RD-IA)
- 960 KNEB NE SCOTTSBLUFF - 2/11 0202-0210 weak - fair with TTs during monthly frequency ✓; 1st logging from Nebraska's Sandhills area at this QTH (RD-IA)
- 1340 KTOQ SD RAPID CITY - 2/11 0225 surfaced with TTs at the very end of their monthly frequency ✓ (RD-IA)
- 1280 KSOK KS ARKANSAS CITY - 2/3 0505-0556 in like gangbusters for most of the test; CIDs and a VID at 0518: *Cowley County's best country music, 1280 KSOK, Arkansas City-Winfield* (RD-IA)
- KSOK KS ARKANSAS CITY - 2/3 0500-0555 lots of CJMS/WWOK/WADO but no KSOK; out of desperation went to 100 Hz bandwidth, set BFO to 800 Hz, cut in sharp (800 Hz) filter and detuned to 1281 on the assumption that CIDs would be using 1 kHz TT; assumption was correct cuz beginning at exactly 0557 heard four clear K-S-O-K CIDs (REH-ON)
- KSOK KS ARKANSAS CITY - 2/3 0500 not heard on TEST; WKST hogging channel after dominant CJMS nulled (PC-VA)
- 1400 KBRB NE AINSWORTH - 2/9 0110-0119 weak but in there for the entire length of their frequency ✓ with TTs (RD-IA)
- 1440 WEZJ KY WILLIAMSBURG - 2/5 0530-0533 good with TTs during monthly f/c; TTs off abruptly at 0533 and not heard again (RD-IA)
- 1520 WHIC KY HARDINSBURG - 2/1 0545 weak under KOMA with TTs during monthly f/c; the verie signer at this station is OpM Brent Black, and he welcomes all correct reports (RD-IA)
- 1560 KLNG IA COUNCIL BLUFFS - 2/3 1715-1724 running OC at 1715; still there at 1724 re✓ (MH-NE)
- 1570 WMYM WI MINOCQUA - 2/10 0630-69 [7?-Ed.] mucho splatter from local KCJJ, but did note lotsa CIDs (RD-IA)
- WMYM WI MINOCQUA - 2/10 0631 CIDs; hrd part of an anncr at 0637; CIDs ended at 0640 (MH-NE)

ALL OLDIES
ALL THE TIME
KQWB
1550 AM

NON-DIRECTIONAL BEACONS

- 515 RRQ IA ROCK RAPIDS - 2/8 0614 NDB at municipal airport; very weak (PC-VA)
- ONH MO JEFFERSON CITY - 2/8 0615 NDB; very weak, sharing frequency with RRQ (PC-VA)
- OS OH COLUMBUS - 2/7 0530 NDB at Ohio State University Airport; weak (PC-VA)
- 516 YWA ON PETAWAWA - 2/7 0528 NDB; good signal (PC-VA)
- 521 ORC IA ORANGE CITY - 2/8 0608 NDB at municipal airport; weak, mixing with GM (PC-VA)
- GM SC GREENVILLE - 2/7 0526 NDB at Greenville Downtown AP; very weak (PC-VA)
- 524 AJG IL MT. CARMEL - 2/7 0524 NDB at municipal airport; very weak (PC-VA)
- HEH OH NEWARK - 2/7 0524 NDB at Newark-Heath AP; weak behind LSB of ZLS (PC-VA)
- 526 CYV FL CAMP BLANDING - 2/8 0605 NDB; weak under ZLS (PC-VA) [This one is a mystery to me, as I can't find it listed anywhere...please send details as to exact location...maps don't show a "Camp Blanding", and I can't find CYV in the FLIP book...thanks -Ed.]
- ZLS BH STELLA MARIS - 2/7 0522 NDB; good signal; previously on 320 (PC-VA)
- 530 YCH ON CHATHAM CFB - 2/6 0609 NDB; 2/6 0609 1000 Hz heterodyne behind CJFT (PC-VA) [See my note on this in rAMblings -Ed.]

MIDNIGHT TO 0800 HOURS ELT

- 600 WMTI IA CEDAR RAPIDS - 2/4 0506 hrd a clear *Radio Iowa* mention and MBS Nx promo under WREC (KVJ-AL) [City correction here, Karl -Ed.]
- 630 KXOK MO ST. LOUIS - 2/4 0512 new format; *The best love songs in St. Louis, KXOK AM-Soul 630* (KVJ-AL)
- 720 WGCR NC PISGAH FOREST - 1/31 0759 fair with CLs noted while trying for WMXY (RD-IA1)
- WWII PA SHIREMANSTOWN - 2/10 0605 fair under WGN with ID: *AM 720, WWII Harrisburg...* then buried (RD-IA)
- 730 KKDA TX GRAND PRAIRIE - 2/4 0440 UC with DJ *The Wolf* (Wolfman sound-alike) taking calls from listeners and local announcements (KVJ-AL)
- CKDM MB DAUPHIN - 1/31 0748 fair with livestock market report - TC: *6:48 is the time at CKDM* (RD-IA1)
- CHYR ON LEAMINGTON - 2/10 0722 mx by Canadian artists; DJ said *...up next on Cheer*; good signal; #1 from Chuck Rel's hometown (MH-NE)
- 740 CHCM NF MARYSTOWN - 1/13 0134 in poor - fair with end of SBN Sports report, female anncr with wx forecast mentioning St. John's *...for VOCM News, I'm Donna* ??? - POP mx (MC-ON)
- 770 WYRV VA CEDAR BLUFF - 2/10 0715 heard again this week with sign-off; if you have not hrd them...try; they're easy to ID with a long, synthesized SSB (MH-NE)
- 780 KROW NV RENO - 2/9 0745 good with C&W mx, local ads, KROW ID; under WBBM (SA-MB)
- 970 WDAY ND FARGO - 1/13 0059 ad for buying old *Rolex* watches, ID: *970 WDAY Fargo-Moorhead, the flagship station of the NDSU Bisons* and - NBC Nx; very good thru WEBR; not heard in years!! (MC-ON)
- 1020 WPEO IL PEORIA - 2/5 0715 very good with sign-on; anybody still needing this guy in their logs try at Pittsburgh LSR (RD-IA1)
- 1140 KPWB MO PIEDMONT - 1/28 stayed with this guy for over 1 1/2 hours and was finally rewarded at 0506 with an ID ending in CLs - *Clint Black's Killin' Time* (appropriate song after such a long wait, hi); according to the Log, this guy is supposed to be daytime-only (RD-IA1)
- KPWB MO PIEDMONT - 2/4 0340 with country mx, *Your place to be*; strong (KVJ-AL)
- 1240 WSBC IL CHICAGO - 2/4 0059 fair with sign-off over SS ballad; mention of CLs and *In the meantime, please stay tuned for WEDC* (RD-IA1)
- WIBU WI POYNETTE - 2/10 0655 fair with polka mx, WIBU ID at 0701 - local nx (SA-MB)
- 1280 KXKL CO DENVER - 2/3 0517 surfaced for just a few brief seconds with a *Kool 105* ID, then - *Neil Diamond* song; for the most part, this channel for the whole hour was a jumble between CJMS, WWTC and KSOK's test (RD-IA1)
- KYRO MO POTOSI - 2/5 0701 fair with SSB - sign-on anncr by female (RD-IA1)
- 1320 WKAN IL KANKAKEE - 1/31 0705 fair with only ID heard (RD-IA1)
- 1340 KNHN KS KANSAS CITY - 1/28 0153 fair with ID: *Kansas City's...KNHN* - CNN *Headline News*; hrd again on morning of 2/4, when it was in like a ton of bricks (RD-IA1)

- 1360 WHBG VA BRIDGEWATER - 2/2 0705 country mx, wx (KVJ-GA)
 1400 KVFD IA FORT DODGE - 2/10 0712 good with KVFD ID, *Favorites of yesterday and today* - OLD; new sign-on time or NSP?? (SA-MB)
 1450 WSMQ AL BESSEMER - 2/9 0707 ID which concluded with *WSMQ Bessemer-Birmingham* (MH-NE)
 KNSI MN ST. CLOUD - 2/4 0424 poor with *National Car Rental* ad, KNSI ID; new for MN #104; ex-KCLD (SA-MN)
 1490 WITA TN KNOXVILLE - 2/2 0555 sign-on with no SSB; mentioned *Broadcasting to the Knoxville and east Tennessee communities and We bring you the best in quality Christian programming...ended ...with WITA, have a nice day, also, sign-on time differs from what is in Log* (REH-ON)
 1540 WAKY KY GREENSBURG - 2/2 0740 with ad for *The Taylor County Bank*; duo CST and EST TC followed by wx and non-ID of *K-Country, FM 103.1*; no CL or location heard but a check of the *EM Atlas* and *Rand McNally* sez WAKY is the only possibility (REH-ON)
 1580 WPGC MD MORNINGSIDE - 2/10 0659 good with end of BRN pgm - ID: *You're listening to WPGC, AM 1580, Morningside-Washington, DC*; my 1st MD catch at this QTH, but wouldn't you know it, WBAL arrived a few minutes later (RD-IA)
 1590 WNTS IN BEECH GROVE - 2/5 0600 fair with ID: *AM 1590, WNTS, Beech Grove-Indianapolis* (RD-IA1)
 1600 WTZQ NC HENDERSONVILLE - 1/31 0659 fair with NOS mx - ID: *WTZQ...serving Hendersonville and Asheville*; looks like *Don Trelford* has some company in this column, hi! (RD-IA1)

0800 TO 1600 HOURS ELT

- 670 WIEZ PA LEWISTOWN - 2/10 1312-1325 fair with ad for *Dodge Trucks*, boasting *The best news from the heart of Pennsylvania, Oldies 670*, wx forecast with 40° in downtown Lewistown - 2-in-a-row from the *Beatles* (GC-PA)
 760 KMTL AR SHERWOOD - 1/31 0824 weak with TC and ID: *KMTL, with more of your favorite gospel music* (RD-IA1)
 790 WRMS IL BEARDSTOWN - 2/2 1445 fair in heavy KXIC splash with *Illinois vs Wisconsin* BKB (J WLS); reception made possible because KXIC was also carrying BKB, there fore cutting down a little on the usual tidal waves on 790 and 810 (RD-IA1)
 1430 WENE NY ENDICOTT - 2/10 1208-1230 good with *WENE, Live From The 60s* ID, ad for *Coca-Cola, WENE* ID and into *Dusty Springfield's Wishin' and Hopin'* (GC-PA)
 1490 KEZO NE OMAHA - 1/12 1110 weak under KXLQ/KRIB with *Rolling Stones* song during *George Taylor Morris' Reelin' in the Years*, this is the farthest east that I've ever logged this in the daytime -- about 100 miles (RD-IA2)

1600 TO 2400 HOURS ELT

- 550 WICE RI PAWTUCKET - 2/2 1700 way atop w/ID, MBS Nx, ad for *Levi Jeans* (TF-CT)
 560 WHBQ TN MEMPHIS - 1/16 1800-1812 dominating with C&W tunes incl *The New Shade of Blue and Out of Your Shoes* to 1806, *Hot Country 56 WHBQ* slogan ID, CST TC & phone # to call to record messages to be sent to loved ones in Persian Gulf (by shortwave radio, she said), more C&W, slogan ID/TC/wx forecast at 1810 followed by traffic by *Mark Humber*; fadeout 1812 to SS stn (presumed WIND); not hrd here in many moons! (MC-ON)
 650 KUUY WY CHEYENNE - 1/28 1859 fair with the *Everly Brothers' Bye Bye Love* - KUUY ID (RD-IA1)
 670 KWXI AR GLENWOOD - 1/31 1829 weak under 'MAQ with *Amazing Grace* - sign-off anct read by female (RD-IA1)
 690 WVOK AL BIRMINGHAM - 2/6 1822-1826 poor under SS stn with *Listen to WVOK 690 for morning traffic reports in and around Birmingham* - OLD, then lost (GC-PA)
 730 KWRE MO WARRENTON - 2/3 1829 *73 Country*, SNN Net (KVJ-AL)
 750 KJEL MO LEBANON - 2/1 1840 anncr with history of ?Alan Crock?, hog markets mentioning Kansas City & Omaha, fade 1843, resurface with closing anncs by *Harvey Ansell* mentioning their FM (KIRK) as well; fair thru WSB, off at 1845; #1287 & MO #19 (MC-ON)
 770 KATL MT MILES CITY - 2/4 1925 fair with satellite AC - nx from the *Northern Plains (?) Ag Network*; ad at 1927 for a local rodeo (RD-IA1)
 790 WMRZ FL SOUTH MIAMI - 2/2 1801 lots of ads, IDs as *790 - Memories and WMRZ*, adult standard mx, way over WLKW; DJ was *Jeff Robbins*; lost at = 1830 (TF-CT)
 WLKW RI PROVIDENCE - 2/2 1734 segued EZL mx, ID at 1744 for *The right place to be, Easy 790 Stereo, WLKW*; SSB at 1758 in honor of the fighting men and women in the Gulf; fading under WMRZ at = 1800 (TF-CT)

- CIGM ON SUDBURY - 2/8 2106-2120 fair with wx report - a C&W song, ad for *Bongo*, ID (frequent IDs - C&W mx (GC-PA))
 810 WCYK VA CROZET - 2/5 1745 sign-off (no SSB) with invite to tune to our sister station *FM-102 at 102.3 FM for more of the best of country music*, gave sked as LSR to LSS; poor with heavy CKLW splash (REH-ON)
 830 KBOA MO KENNETT - 1/28 1815 weak under WCCO with sign-off by DJ (RD-IA1)
 WLWL NC ROCKINGHAM - 1/26 1726 with sign-off mentioning CLs, North & South Carolina, 5000 watts, playing *Pink Panther* theme; fair - good thru WABC (MC-ON)
 KUYO WY EVANSVILLE - 1/28 1855 good with ID: *You're listening to Christian Radio for Wyoming, KUYO* (RD-IA1)
 880 KRVN NE LEXINGTON - 2/5 1909 walking all over WCBS with an interesting annc: *The Federal Communications Commission in Washington, DC requires KRVN to operate with a western directional antenna during the nighttime hours...we will now pause for a few seconds while we switch over to our nighttime antenna pattern* (RD-IA1) [They make that announcement often, if not nightly -Ed.]
 930 WTAD IL QUINCY - 2/7 1855 good with *Graceland vs Culver-Stockton girls HS BKB*; ID at 1859: *WTAD, Quincy-Hannibal-Keokuk* (RD-IA)
 940 KIOA IA DES MOINES - 1/14 1848 in with *Strawberry Fields Forever* by the *Beatles*, *All Oldies KIOA* slogan 1850, mention of *Persian Gulf & KIOA Newsteam*, ad for *Army Recruiting*, then *Dan Campbell* with KIOA News report 1851-1854, traffic report, KIOA Weather Command Forecast and *...for the all-new FM 92.3 and AM 940 KIOA News, I'm Dan Campbell*, played oldies *Temptation Eyes* and *Black is Black* before I tuned out at 1902; very strong over CBM (MC-ON)
 KVSH NE VALENTINE - 1/27 1824 fair with ID - nx, including item about Valentine Lions Club; this guy comes in better here than it did back on the Farm! (RD-IA1)
 950 KLIK MO JEFFERSON CITY - 1/31 1809 thru mess with *KLIK Sports and KLIK Weather*, also mentioning Jefferson City before lost to WWJ; a shock, as I was just reading *DX News* with the headphones on...DXing by osmosis, hi!! #1286 & MO #18 (MC-ON)
 WAKM TN FRANKLIN - 1/16 1824 in with *McDonald's* ad, anncr *...your number one station for (???)*, this is *AM 950 Radio, WAKM, Franklin*, fanfare & into C&W tune; fair, confusing w/WQBB audible w/C&W at same time; #1280 & TN #42 (MC-ON)
 970 WVOP GA VIDALIA - 2/3 1710 country mx, *97 Country-WVOP* (KVJ-AL)
 KSYL LA ALEXANDRIA - 2/8 1937 *...timeout on the LSU Sports Network*, followed by ads and then *Georgia-LSU BKB*; XEJ nowhere to be found, which was a welcome change (RD-IA)
 KFCO OK TULSA - 2/1 1830 while looking for KJLT, hrd *970 KCFQ, Tulsa* followed by *970 Magazine* show (RD-IA)
 KHVN TX FORT WORTH - 1/31 1841 fair with traffic ✓ for Dallas-Ft. Worth, including mention of I-35 (RD-IA) [Yeah, we've got one of those, too, hi -Ed.]
 980 KSGM IL CHESTER - 2/6 2059 atop briefly with ID: *KSGM AM and FM, Chester?? - NBC Nx*; a pleasant surprise (RD-IA)
 WITY IL DANVILLE - 2/6 2120 fair with *Illinois-Purdue BKB* | WLS (RD-IA)
 KMBZ MO KANSAS CITY - 2/6 2050 fair under WONE with *Nebraska-Kansas BKB* (RD-IA)
 WSIX TN NASHVILLE - 2/6 2006 good with ID during *Georgia-Tennessee BKB: Your sports station...the new AM 980, WSIX, Nashville* (RD-IA)
 990 KRKS CO DENVER - 1/24 1900 good with promo for *Focus on the Family heard twice daily on KRKS* (RD-IA1)
 1010 KXEN MO FESTUS-ST. LOUIS - 2/8 1844 fair with sign-off, including mention of 50,000 watts; # 400 at this QTH (RD-IA)
 1030 KFAY AR FARMINGTON - 1/30 1827 tough copy thru WBZ as both had talk; just caught partial ID at 1830 mentioning *all talk and Talk Radio KFAY*; NEW, for #1285 and AR #7 (MC-ON)
 WFTK NC WAKE FOREST - 2/3 1708 GOS mx, way under WBZ; ID for *Christian Connection* and WFTK, promo for a preacher to be heard daily at 1215, gone by 1715 (TF-CT)
 KTWO WY CASPER - 1/31 1855 good with *Steve Wariner* song - *1030 KTWO* ID and *K-Two News* (RD-IA1)
 1040 WOKT KY CANNONSBURG - 2/3 1730 only a weak ID hrd thru WSKE (JF-ON)
 1060 WNOE LA NEW ORLEANS - 1/17 2045 in with C&W mx by *Crystal Gayle* and one by unID male, *Country 101 WNOE*, fair - good with KYW partially nulled & QRM from 2 SS stations as well!! (MC-ON)
 KKDS UT SOUTH SALT LAKE CITY - 2/5 1955 two ads with kid anncrs; a ZIP code in one of the ads was a SLC-area ZIP; no CLs hrd (MH-NE)



- 1070 **WHYZ** SC GREENVILLE - 1/14 1839 ad mtng *Great Moments in Black History* and mention of special broadcast to honor *Martin Luther King, Jr* on Jan 21, CLs mentioned twice, fadeout; back in at 1842 with mentions of Greenville, ad for *Goodyear Invicta Tires*, call ID again; good (MC-ON)
- 1110 **WNNW** NH SALEM - 1/28 1856 with a TEST TONE!??, cut 1859 then *Dr. Dean Edell* with *Staying Healthy* feature to 1900, *WNN* non-ID, then female annr with upcoming features; no definite ID, but was looped in right direction; #1283/NH #12 (MC-ON)
- 1150 **KSAL** KS SALINA - 2/12 2040-2100 fair in *WJBO* null with interview of *Kansas State* BKB coach, sponsored by *State Farm* and *1st National Bank of KS* on the *Wildcat Basketball Network*; ID and nx at 2100 (JB-TX)
- WMEX** MA BOSTON - 2/2 1708 briefly over *WCMX* with ID, telephone caller from Brockton, MA, financial talk show # was 931-1150, then gone (TF-CT)
- KASM** MN ALBANY - 2/6 1838 polka mx and an ad for a vacation to New Orleans and Texas (MH-NE)
- WRUN** NY UTICA - 2/2 1712 in with *BRN* network feed, ID for *WRUN, Business Radio for Utica-Rome*, way over needed *WMEX* and semi-local *WCMX* (TF-CT)
- WCRK** TN MORRISTOWN - 2/3 1755 mention of AP Nx at 1800, ID for *Your Hometown Radio*, *WCRK*, *Beatles* record; lost to *WDEL* (TF-CT)
- 1160 **WSKW** ME SKOWHEGAN - 2/3 1658 adult standards; dominating frequency (TF-CT)
- WMVI** NY CLIFTON KNOLLS - 2/9 1718-1755 way atop with real old record, local annr (who sounded like a real person, not a satellite voice), IDs for *1160-WVMI*, many ads; must be new here (and NRC Log sez this guy wants 50,000 watts???) (TF-CT)
- 1170 **KOWO** MN WASECA - 2/9 1905 very good with *The Byrds' Mr. Tambourine Man* ID and ad for a siding company in Owatonna (RD-IA)
- 1180 **KGOL** TX HUMBLE - 2/5 1950 ID in *KKAR* null; maybe *CP* is on?; 1180 #5 (MH-NE)
- 1190 **KYII** TX DALLAS - 2/4 1850 poor under *WOWO* with *CNN Headline News*; *KYII* CL hrd at 1910 (probably part of legal ID), then back to *CNN*; vanished at 1905 with apparent early power cut (REH-ON)
- 1200 **KFNW** ND WEST FARGO - 2/1 1800 good with ID: *News is next at 5...this is KFNW AM 1200, West Fargo, KFNW FM 97, Fargo* (RD-IA1)
- 1210 **KOKK** SD HURON - 2/9 2241 flattening *KVOO* with *Tim Aamodi's* pbp of *Lennox vs Huron* HS BKB, followed by tape-delay b'cast of *Miller vs Aberdeen Central* (RD-IA)
- 1250 **WZOB** AL FORT PAYNE - 2/4 1806 good with wx for DeKalb County, ID as *Number One Country*, *WZOB*, C&W mx (JF-ON)
- KIKZ** TX SEMINOLE - 2/8 2310 ad for a livestock store; mention of 106.3 FM; common at SRS, but not at SSS (MH-NE)
- 1260 **WNDE** IN INDIANAPOLIS - 1/14 2245 good with *Indiana-Purdue* BKB (RD-IA)
- KDFX** TX DIBOLL - 2/8 2259 ROK mx and ID as *K-Fox 95* followed by a Mideast update; new for TX #99 (MH-NE)
- 1280 **KPRV** OK POTEBAU - 1/30 2024 good with *Oklahoma vs Iowa State* BKB; 2027 ad for *Country Buffet* on Hwy 270 in Heavener (RD-IA1)
- WNAM** WI NEENAH - 1/14 1832 in with end of *Mack The Knife*, call ID mtng *AM 1280* *WNAM* and ...music of the 40s, 50s, and 60s - local ads, but fading badly (MC-ON)
- 1300 **WNQM** TN NASHVILLE - 2/4 1828 weak with preacher ending pgm from his church in Nashville, gave phone # 298-4070; followed by church anncts for the area (JF-ON)
- 1310 **WXMC** NJ PARSIPPANY - 1/17 1730+ in mess of stns with male annr giving CLs and - instrumental MoYL; not an exciting log, but another new one for #1281 & #20 for The Garden State (MC-ON)
- WIBA** WI MADISON - 2/4 2217 fair with *Illinois vs Northwestern on the Big Ten Basketball Game of the Week*; this must be a network presentation, as I can't imagine anyone in Madison carrying anybody BUT the Badgers (RD-IA1)
- 1320 **WJAS** PA MALICKYVILLE - 2/4 2214 good with ID: *1320 WJAS* (RD-IA1)
- 1330 **KNOW** MN MINNEAPOLIS - 2/6 1846 fair with Minnesota news; over/under *KFH*; good MN/ND conditions (MH-NE)
- 1360 **WSMB** LA NEW ORLEANS - 2/8 2114 local talk show; rare; hrd during AU conditions (MH-NE)
- WFLW** KY MONTICELLO - 1/31 1900 brief sign-off (KVJ-GA)
- WBOB** VA GALAX - 2/1 1729 ROK OLD, *Red Cross Blood Drive* PSA, VA Net Nx (KVJ-GA)
- 1370 **KTPA** AR PRESCOTT - 2/4 2330 good with ID *Southwest Arkansas' best country is on Super Country 105 - Linda Ronstadt's When Will I Be Loved* (RD-IA1)
- KGNO** KS DODGE CITY - 2/12 1757-1759 *KFON* silent with modulation problems; *KGNO Dodge City* hrd at 1659 [You mean 1759? -Ed.] (JB-TX)
- 1390 **KENN** NM FARMINGTON - 2/8 2106 Ai Nx, then local nx from ...the *Ken Newsroom* - ad for *Webb Chevy-Geo* followed by wx and Talknet (MH-NE)

- KJAM** SD MADISON - 1/29 1808-1810 with *K-Country weather*, also social and sports cancellations due to wx including one in Rutland, which helped me tack this one down, as no full ID heard; fair - good over usual SSS mess for #1284 & SD #6 (MC-ON)
- 1410 **KRIL** TX ODESSA - 2/8 2238 Ad Nx and ID: *KRIL, the Voice of the ... Basin*, new (MH-NE) [Odessa is in the Permian Basin of North America - Ed.]
- 1420 **WVJS** KY OWENSBORO - 2/10 1845 practically even with semi-local *WOC*; noted with song from *CCR*, then ID: *Good Time Oldies 1420*, *WVJS*, vanished a minute later, with a 16-minute late pattern change (RD-IA)
- 1440 **WPRS** IL PARIS - 2/9 1844 poor with *ABC* Nx, wx, *AM Stereo 1440 WPRS* - OLD; new for IL #56 (SA-MB)
- 1450 **KAYC** TX BEAUMONT - 2/8 2356 ID: *KAYC, ... Port Arthur, Beaumont* followed by mx; unbelievable AU! (MH-NE)
- WLTP** WV PARKERSBURG - 2/5 2145 107 *WNUS* hrd; checked Elving log & *WNUS* is 107.1 in Belpre, OH, right across the river; also *WLTP* address is Belpre; obviously simulcasting (HJH-PA)
- 1460 **WELZ** MS BELZONI - 2/3 2005 end of *Rick Dees' Weekly Top 40* syndicated show, then sign-off with *WVRD-FM* mention (KVJ-AL)
- WELZ** MS BELZONI - 2/8 2205 ID as *93.3? WVRD* - wx and C&W mx (MH-NE)
- KIRL** MO ST. CHARLES - 2/3 2011 gospel pgm in progress, *Solomon Temple Church Life Broadcast* (KVJ-AL)
- WACO** TX WACO - 2/8 2203 strong with ID: *WACO AM & FM. Waco's Number One Country*, still AU conditions (MH-NE)
- 1470 **KWSL** IA SIOUX CITY - 2/7 1846 *Right now in Siouxland, it's 45 degrees...it's 14 before six at KWSL*; all three Sioux City stations are now in the logbook here (RD-IA)
- KBCW** MN BROOKLYN PARK - 2/9 1824 fair with local ads, *1470 KBCW*; new for MN #105 (SA-MB)
- 1470 **WQXL** SC COLUMBIA - 2/6 1800 good briefly with wx report and ID; disappeared right after ID, probable power cut (JF-ON)
- KNTS** TX ABILENE - 2/8 2210 *Cooper Cougar* HS BKB and ID; AU conditions still (MH-NE)
- 1490 **WACM** MA WEST SPRINGFIELD - 2/8 2201 in fair with EE ID; this is the loud SS station here most every night (HJH-PA)
- WICY** NY MALONE - 2/8 2113 *WICY* heard and that is all; up quite loud thru mess (HJH-PA)
- 1540 **KGBC** TX GALVESTON - 2/8 2042 *Galveston HS BKB* with ad for *Galveston Bay Lennox* dealer; over/under *KXEL*; new (MH-NE)
- 1560 **EKAA** SD ABERDEEN - 1/14 1813 female annr reading local newscast, ...that's *KK-Double A News for this hour...*, mention of wx and sports to follow; good thru *WQXR*, gone at power/pattern switch at 1815:30 (MC-ON)
- 1580 **KCWW** AZ TEMPE - 2/3 1959 good with ID *All-Star Country Legend...1580 KCWW, Tempe*; #2 from AZ (RD-IA1)
- WIFB** IN CONNERSVILLE - 2/3 1804 ads for places in Connerville and Jeffersonville; no CLS hrd; 1580 #30 (MH-NE)
- WAMJ** IN SOUTH BEND - 2/4 2259 good with ID *1580 WAMJ, South Bend-Mishiwaka* - nx (RD-IA1)
- WPRY** KY PRINCETON - 1/18 1815 with *Caldwell County* wx, call ID - pregame show for *Albemarle Bulldogs vs Monroe Rebels* BKB game with annr *Ken ???* mentioning that decision was made not cancel this game even though many have been due to *Persiar Gulf* crisis; fair with *CBJ*, fadeout at 1817; #1282 & KY #28 (MC-ON)
- KNIM** MO MARYVILLE - 1/4 1819 with lineup of HS BKB games and one to be heard on *your sports voice for Northwest Missouri*, *KNIM*; fair in partial *CBJ* null for #1279 and *MQ* #17 (MC-ON)
- 1590 **KFDI** AR VAN BUREN - 2/3 2130 *This is the gospel music radio station, 1590-AM, KFDI, Van Buren-Ft. Smith - Good Tidings How* REL pgm (KVJ-AL)
- KCNN** MN EAST GRAND RAPIDS - 1/27 1718 weak but alone on frequency with ad for *Sioux Country Lawn and Sports* on Hwy 81 N; ID and - *CNN* war coverage; ex: *KRAD/KRRK* (JF-ON)
- WDBL** TN SPRINGFIELD - 2/10 2144 *Your news leader, WDBL* - rundown of college and NBA hoops scores; 1st-tuner anywhere (RD-IA)

REPORTERS

- MC-ON MIKE CSORBAJ@Canfield, ON/R-9000 (on loan!), UCF-2010, Palomar Loop., o-a-id printer ribbon
- RD-LAx RICK DAUW@Issaig City, IA/R-1400 + RW Loop (L) ex on I-80 near Redfield, IA/Ford caradio (2) (2 reports received this week)

1111110

KKKKKVJ-GA KARL JETER/Stone Mountain, GA/HQ-150, 4' loop & longwires
 KKKKKVJ-AL KARL JETER/near Roanoke, AL (Randolph Co.)/HQ-150 + beverage
 GGGGGC-PA GIL CHESNEY/WILKES-BARRE, PA/new Superadio + SM2
 MHHHMH-NE MIKE HAWK, KBOGXE/Omaha, NE/R-1000, HQ-180A + 2' coax loop & CT-3000 taper
 TTTTTT-CT TONY FITZHERBERT/FAIRFIELD, CT/Superadio or ICF6500W
 PCCCCC-VA PERRY CRABILL, W3HQX/Winchester, VA/R-5000, 65' Inverted "L", 2' homebrew loop,
 CTR-75 cassette recorder
 MHHHMH-NE MIKE JEZIORSKI/Detroit, MI/Superadio
 MHHHMH-NE JIM BOEHM/San Antonio, TX/Superadio II + MFJ Dual Tunable Audio Filter
 MHHHMH-NE BRUCE CONTI/Nashua, NH/R70 + wire
 MHHHMH-NE HARRY HAYES/Wilkes-Barre, PA/Superadio + SM-2
 MHHHMH-NE SHAWN AXELROD/Winterpeg, MB/R-70 + 100' LW or 3' loop/46¢ worth of mint
 Canadian stamps on envelope!
 MHHHMH-NE CHARLES REH/Leamington, ON/R-390A + Sanserino Loop + TR-3000 open reel tape
 deck/report took 8 days to get here!
 MHHHMH-NE JEFF FALCONER, VE3LSK/Clinton, ON/Icom R-9000 + SM-2 + 250' LW
 MHHHMH-NE ANDY RUGG/Nuns' Island, PQ/Superadio II

KKAR
1180 AM

GYDXA UPDATE

TTTTTCtotals: CCCCCCHARLES REH Leamington, ON 63 73 85 66 78 80 445

ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DDXD-E

BBBBBB:Business Radio Net C&W:country & western CHR:contemporary hit radio CID:code ID ContChr:contemporary
 CCCCCC:Christian EZL:easy listening EE:English FF:French GOS:gospel IRN:Interstate Radio Net j:jingle LSR:local sunrise
 LLLLLL:local sunset mx:music nx:news NPR:National Public Radio OC:open carrier pbp:play-by-play PSRA:pre-sunrise
 RRRRRR:authority PSSA:post-sunset authority QRM:man-made interference QRN:natural interference QTH:location REL:religious
 SSSSSS:rock 'n' roll RS:regular schedule S:stereo SID:singing ID SRS:sunrise skip SS:Spanish SSB:Star Spangled Banner
 T:time check TT:test tones UC:urban contemporary UPL:United Press International wx:weather

73, Bill

IN THE BEGINNING

BY JOHN D. BOWKER

THIS IS THE COMPLETE LIST OF U. S. BROADCAST STATIONS ON THE INDICATED FREQUENCY AS PUBLISHED BY THE FEDERAL RADIO COMMISSION IN 1934. "S" MEANS SHARED; "SH" MEANS SPECIFIED HOURS; "T" INDICATES TRANSMITTER LOCATION; "D" MEANS DAYTIME OPERATION ONLY; "U" MEANS UNLIMITED TIME.

Frequency (kc)	Call letters	Main studio and transmitter location	Power	Time designation
940, regional	WCSH	Portland, Maine.....	1 kw-----	} U.
		T—Scarboro.	2 1/4 kw LS	
	WAAT WAVE WDAY	Jersey City, N.J.....	500 w-----	D.
		Hopkinsville, Ky.....	1 kw-----	U.
		Fargo, N.Dak.....	1 kw-----	U.
	WHA KOIN	T—West Fargo.		
Madison, Wis.....		1 kw-----	D.	
		Portland, Ore.....	1 kw-----	U.

- o NRC AM RADIO LOG
- o 1991 Edition

The 1991 NRC Log contains two cross-reference sections and more station information than ever before. 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.
 Mail or Call your order in. 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 or use your credit card (VISA/MC) and call (608) 423-4159.

Domestic DX Digest - West

Wayne Heinen
 4131 S. Andes Way
 Aurora, CO 80013
 FIDO NET 104/108
 (303) 699-6335 (prepaid only)

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

DX & OTHER TESTS

960 KNEB NE Scottsbluff 2/11 0200-0210 R/C w/ TT and Voice ID's. Fair w/KOOL. (WH-CO)
 1240 KCLV NM Clovis 2/11 0230-0240 R/C w/TT & Voice ID's. Weak. (WH-CO)
 1310 KPRY WA Prosser 2/11 0500 Not A Thing Heard KFKA/KLIX (JT-CO) (WH-CO) (0W-CO)
 1340 KTOQ SD Rapid City 2/11 0220-0228 R/C w/TT & Voice ID's, Fair w/KDEN on SP. (WH-CO)
 1450 KVOW WY Riverton 2/11 0220-0220 R/C Weak w/TT & Voice ID's. (WH-CO)
 1580 WLIM NY Patchogue 2/16 0445-0515 Code ID's only u/KKCWN Y #9 (WH-CO) NY # 8 (0W-CO)

Midday to Midnight!

1080 KVNI ID Coeur d'Alene 2/15 2013 Lcl nightclub spot and other lcl ads. Live SX prgm. Good o/ KRLD. Possibly on day power still strong @ 2020. (0W-CO)
 1230 KHAS NE Hastings 2/13 2218 String of lcl spots ments of Hastings.. then faded out... (0W-CO)
 1270 KPLY NV Sparks 2/14 2006 Male ann w/prgm notes, female ann w/ID "Your listening to KPLY, Sparks-Reno. Sports, Talk, Information, AM 1270 K-PLY" to TLK SHOW. NV # 14. (0W-CO)
 1270 KDJI AZ Holbrook 2/14 1935 Prgm Note for NTC Eagles BKB on KDJI..Lcl spots "Your local sports station 1270 AM KDJI, Holbrook" then faded. (0W-CO)

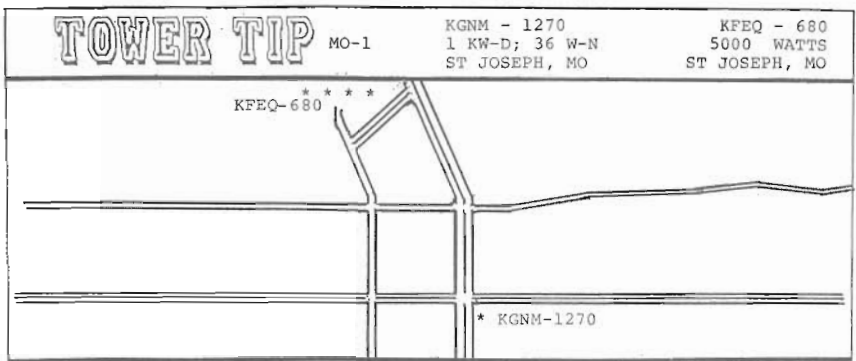
Midnight to Midday

1140 KZMQ WY Greybull 2/18 1005 SNN Nx... "On super station KZMQ" covered by sloppy KFRR-1150 WY # 26 (JT-CO)
 1190 KKOJ MN Jackson 2/18 1019 Good signal "... and now for today's edition of KKOJ's radio auction" MN # 27 (JT-CO)
 1240 KNSS KS Wichita 2/18 0300 ID on hour KS # 41 covered by KADS (JT-CO)
 1240 KADS OK Elk City 2/18 0300 Topping KNNS w/ OLD Format OK # 32 (JT-CO)

Contributors!

(0W-CO) John Wilkins Wheat Ridge (?????), CO - R-1000, 4.238' Anguilla Loop
 (JT-CO) Jeff Tynan Parker, CO - Sony-2002 w/2401si Loop
 (WH-CO) Wayne Heinen Aurora, CO - R-390A, 4' NRC loop

TOWER TIP



WHAT TO LOOK FOR: KFEQ has four guyed lighted towers just off Exit 50 (they are directional to protect KNBR). KGNM uses a single guyed lighted tower.
 SUBMITTED BY: RICK DAU, Oakland, Iowa

Send information about a.m. broadcast towers in your area to John D. Bowker, 14 Canoe Brook Drive, Princeton Jct., NJ 08550. Include a simple map of the nearby highways and landmarks. Tell how many towers, how they are laid out, and any other information that will help in spotting each station.

International DX Digest

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

Lots of DX reported this week, actually a two week time span due to my vacation in California. While in San Diego, I had the pleasure of visiting NRC member and IDXD reporter Tim Hall, who is extremely well-versed in Mexican radio, which is proving essential to those seeking to follow the many frequency changes in Mexican broadcasting.

Chuck Reh "says "not much in the way of foreign DX." Then he goes on to report a fine log of Argentina 870! This the highlight, along with Mark Connelly's Long Wave FA loggings, a welcome report featuring many Venezuelan stations from César Objío, and loggings from Perry Crabill, new to IDXD! All times UTC (PST + 8).

PAN-AMERICAN

- 525 BAHAMAS ZLS Berry Thomas' unID is a non-directional beacon at Stella Maris, power 1000 watts, keyed in Morse code at 1020 Hz, using double side-band, carrier actually 526 kHz. [PC-VA]
- 650 unID 2130 2/2. Poor, w/ranchera mx, man talks in SS, no ID. [SA]
- 650 COLOMBIA HJIX, Bogota 0200 2/9. No sign of WSM; good signal. "RCN" and "RCN Doble" mentioned in SS several times; also SS SID for RCN. Disappeared by 0300. [PC-VA]
- 660 MEXICO XERIN, Mexico DF 2128 2/2. Good, w/childrens' program, with kids doing a countdown before mx selection, alone on frequency. New. [SA-MB]
- 730 MEXICO XEX, Mexico DF 2120 2/2. Good w/man talking in SS, sports program, s/u CKDN. [SA-MB]
- 750 COLOMBIA Caracol, Medellin 0255 1/11. News w/lots of IDs as "Caracol." [CO-DR]
- 750 MEXICO XEQF, Loma Bonita 2050 2/2. Poor w/lively mx, male announcer w/talk about Loma Bonita. New. [SA-MB]
- 770 MEXICO XEATH, Monterrey 2101 2/2. Poor w/mx, XEATH ID and man mentioning Monterrey. [SA-MB]
- 800 MEXICO XEROK, Cd. Juarez 2112 2/2. Strong (S-9) w/R. Canon ID into lite mx. [SA-MB]

- 800 NETHERLANDS ANTILLES PJB, Bonaire 0255 2/9. Good w/CKLW nullified. Bible study on Malachi in "Through the Bible Radio" program. VID as "Transworld Radio, Bonaire" at 0300, followed by EE mx. [PC-VA]
- 870 COLOMBIA HJSB, Barranquilla 0344 1/13. Good w/SS ads for Baranquilla concerns, and talk about beauty queen pageant. Domestics knocked out by phasing unit. [MC-MA]
- 870 ARGENTINA R. Nacional, Buenos Aires 0730-0921 1/25. Excellent null on WWL found a moderately strong DC w/weak SS under w/mix of mx and talk and many "R. Nacional" slogans. fades were long and deep. Began a fade-up at 0858 w/mandolinish-sounding mx and announcement by woman. First part unreadable, but finally at 0900 heard "R. Nacional, L'Argentina" ID followed by five tones (the last one was extended and marked the top of the hour). No city heard in ID. [REH-ON]
- 870 COLOMBIA R. Mar Caribe Inter-nacional, Barranquilla 1005 1/29. Fairly common Colombian w/uncommon s/on. After musical fanfare, woman w/thick accent gave s/on announcement in EE! Gave power as 50 kW and slogan as above (which differs slightly from the 1990 WRTH). After woman was through, heard another musical fanfare followed by male with s/on announcement in SS. I think this may be the one that runs DC all night. [REH-ON]
- 880 COLOMBIA R. Bucaramanga 0135 1/16. Commentaries on a sport program, mainly about football (soccer, as you say), mentioning teams from Bucaramanga, Barranquilla, Cali, Medellin, etc., ads for Avianca. Good. [CO-DR]

Radio Mil

XEQY 1000 KCS O. L. XEQY 6010 KCS O. C.
10,000 WATTS 2,600 WATTS

FOMENTO DE RADIO, S. A.
AYUNTAMIENTO 101
TELE. 12-97-23 - 10-32-53 - 12-10-00
MEXICO 1, D. F.

- 900 MEXICO XEW, Mexico DF 2106 2/2. Excellent (S-9 + 15 dB), dominating frequency w/lively Mexican mx. [SA-MB]
- 920 COLOMBIA Em Fuentes, Cartagena 0306 1/11. With a BB game, "Meticol" losing the game to "Willard", 5 to 1 in the 7th inning. Ads for Multicaucho, Loteria de Bolivar, etc, ID at 0306. Very good. [CO-DR]
- 920 MEXICO Rock 92, Ensenada 1411 2/14. New one since I was last in San Diego, w/Hispanic rap and dance music. Weak w/KORK. [JR*SD]
- 940 MEXICO XEQ, Mexico DF 2114 2/2. Strong (S-9 + 3 dB) w/lively mx, "La Super Q" ID o/CJGX. [SA-MB]
- 950 MEXICO R. Amor, Hermosillo 0326 2/12. With XEKAM taking one of its odd days off, this one came in quite quell w/distinctive IDs. [JR*SD]
- 970 COLOMBIA R. Super, Bogotá RCN w/ a football game between Bogotá and Barranquilla, beating Bogotá 2 to 1. Ads for "Coltejer" (cloth manufacturing) and "Colombiana" (beer). Very good. [CO-DR]
- 980 VENEZUELA Mundial Tricolor, Barquisimeto 0321 1/11. ID, then the winning numbers of the Caracas lottery, and a record of girls singing. Good. [CO-DR]
- 1020 VENEZUELA R. Calendario, Maracaibo 0326 1/11. With romantic songs in program "La noche es más romántica con R. Calendario" (evening is more romantic with R. C.), then they announced the main song of the TV show "Pasionaria", ID at 0326. Very good. [CO-DR]
- 1100 ANTIGUA ZDK, St. John's 0316 1/6. Good w/reggae and soca; WWVE phased. Also 0525 2/4. Good w/reggae. [MC-MA]
- 1180 CUBA R. Taino 0359 1/6. Totally dominant w/SS, not a trace of WHAM. [MC-MA] 1800 2/2. Good w/latin mx, woman announcer w/R. Taino ID. [SA-MB]
- 1190 unID 0325 1/6. EE religious program noted down in mud w/WOOW phased. Not sure in Carib. or domestic. [MC-MA]
- 1210 VENEZUELA R. Anzoátegui 0125 1/16. IDing as "R. Anzoátegui, la radio hacia el primer lugar" (the radio towards the first place). "El computador 1210 presenta los números de las loterías de Venezuela" (1210 computer presents the winning numbers of Venezuela's lotteries). Very good, like a local station. Venezuelan pop mx. Power increase? Dominant station on this frequency had been R. Coro, now on 780 kHz. [CO-DR]
- 1250 MEXICO R. Ambiente, Hermosillo 0647 2/14. Very weak, but w/several IDs and mentions of Hermosillo. [JR*SD]
- 1280 PUERTO RICO R. Arecibo 0237 1/12. With a BB game between Aguada and Industriales de Barcelona, game tied 2 to 2 in 7th inning. Many ads, in like a local. [CO-DR]
- 1290 VENEZUELA R. Puerto Cabello 0238 1/12. ID as "RPC, le mejor radio." Just heard them in passing. Good. [CO-DR]
- 1375 ST. PIERRE ET MIQUELON 0048 2/3. Man and woman in FF. [MC-MA]
- 1550 VENEZUELA R. Metropolitana, Los Teques 0225 1/12. Very good, w/a program of typical Venezuelan mx, joropos. [CO-DR]
- 1555 CAYMAN ISLANDS George Town 0341 1/6. Soca and dance-rock, good. [MC-MA]
- 1610 ANGUILLA The Valley 0436 1/13. Loud w/C&W religious mx. Loud het present; slightly weaker Vatican 1611 splittable and also audible. [MC-MA]

Dominica Broadcasting Corporation

P.O. Box 1 • Victoria St. • Roseau
Commonwealth of Dominica

- 1120 VENEZUELA Super Ondas, Maracaibo 0330 1/11. ID after news about the Persian Gulf and imminent war. Then romantic song in EE. Good. [CO-DR]
- 1160 BERMUDA Hamilton 0400 1/6. BBC mx, excellent w/domestic rabble phased. [MC-MA]
- 153 ALGERIA Bechar 0513 2/5. Man in AA, poor. [MC-MA]
- 162 FRANCE Allouis 0548 2/4. Man in FF, then loip pop FF mx. [MC-MA]
- 183 GERMANY Saarlouis 0551 2/4. Good w/FF talk, folk-style vocal. [MC-MA]
- 198 ENGLAND Droitwich et al 0554 2/4. EE talk o/SAH. [MC-MA]

- 207 **MOROCCO Azilal** 0552 2/4. Good w/AA talk, slight "QI" beacon QRM. [MC-MA] (QI is Yarmouth NS, 400 watts, 206 kHz - Jim)
- 216 **FRANCE Roumoules** 0535 2/4. Man and woman in FF; upbeat mx. [MC]
- 225 **POLAND Konstantinow** 0523 2/5. Polish folk/pop (almost C&W-sounding), vocals w/accordion accompaniment, good. [MC-MA]
- 234 **LUXEMBOURG Junclinster** 0527 2/5. FF talk, QRM'd by RZP beacon. [MC-MA] (RZP is Provincetown MA, 25 watts, 232 kHz - Jim)
- 621 **CANARY ISLANDS (tent)** 0430 2/10. Bits of SS on fairly good carrier in horrendous 620 slop. [MC-MA]
- 675 **FRANCE Marseilles** 0541 2/4. Fair w/man in FF. WRKO off at the time. [MC-MA]
- 684 **SPAIN Sevilla** 0534 2/4. SS talk mentioning Kuwait, very strong, WRKO off. [MC-MA]
- 693 **AZORES Santa Barbara** 0535 2/4. Good, w/female PP folk vocal. [MC-MA]

Dear listener

We thank you for your report and are pleased to confirm that you have heard

Radio Norway International

on 1314 kHz 10 1 91
UTC DATE MONTH YEAR

Sincerely yours,

RADIO NORWAY INTERNATIONAL
0340 OSLO 3, NORWAY

- 711 **FRANCE Rennes** 0537 2/4. FF program o/others; in slop. [MC]
- 765 **SENEGAL Dakar** 0554 2/10. Good w/man and woman in FF. Should have made it to southern CA (Neil K. and Tim H. take note) [MC-MA] (They might have some trouble w/KFMB-760! - Jim)
- 882 **ENGLAND Washford et al** 0334 2/10. Man in EE, then religious mx, WCBS phased. [MC-MA]
- 891 **ALGERIA Alger** 0513 2/4. Male AA chant to good peaks. Also 0336 2/10. AA phone-in talk show w/female announcer, loud. [MC-MA]

CORRECTIONS

In issues 12 and 15, correct s/on times for R. Ya 601 are 1000 (1100 Su). Also XESFT 780 s/on at 1156 w/Mexican NA. Apologies to Chuck Reh, for getting this wrong over the phone.

CONTRIBUTORS

- [SA-MB] Shawn Axelrod, Lac Du Bonnet MB; R-70, 600' wire run S + W (in waist-deep snow!)
- [MC-MA] Mark Connelly (WA1ION), Billerica MA; HQ-180A, ICF-2010, two phased 74 m LWS
- [PC-VA] Perry F. Crabill (W3HQX), Winchester VA; Kenwood R-5000, Inverted "L", 2' Homebrew Loop
- [CO-DR] César Objio, Santo Domingo, Dominican Republic.
- [REH-ON] Chuck Reh, Leamington ON; R-390A, Sanserino Loop.
- [JR*SD] Jim Renfrew, San Diego CA; Sony ICF-2010, whip.



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LA RADIO DE MAR DEL PLATA

LU6 Emisora Atlántica comunica que a partir de la 00.00 del día 1º de junio su nueva frecuencia será la de 1.120 khz en amplitud modulada.

UNA MISMA RADIO PARA
UNA MEJOR COBERTURA

via DM

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The MWT-2 Regenerative Tuner ... by Mark Connelly, WA1ION

(part two ... continued from last issue)

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 (vernier scale at 0) CW = maximum C (vernier scale at 100)
left	R1	CCW = maximum level (no attenuation) = 7:00 CW = minimum level (maximum attenuation) = 5:00
top	R2	CCW = maximum regen. = 7:00 CW = minimum regen. = 5:00
top	S1	{see Table 2}
top	S2	CCW = passive = 11:00; middle = bypass = 12:00; CW = active = 1:00
top	S3	"short" = down; "long" = middle; "normal" = up
top	S4	"Terminated" = left; "Float" = middle; "Power to Active Antenna" = right

Appendix: Options for the MWT-2

Option 1 = frequency range extension

(Refer to Figures 4 & 8 and to Tables 9 & 11)

Additional frequencies can be covered by substituting a 12-position, 2-pole rotary switch for S1. The switch is to be configured to provide 11 ranges determined by inductors L1 through L22 and a twelfth range determined by an external tapped-coil assembly installed by the user at the added J7 stereo-headphone-type jack (Radio Shack 274-312, or equivalent). Installing Option 1 gives coverage of numerous popular bands including longwave broadcast, LOWFER, beacons, medium wave broadcast, 160-60/75-40 meter hams, and 120-90-75-60-49-41 meter shortwave broadcasts. A switch-position versus frequency-range table (similar to Table 9) should be placed somewhere on the chassis box - e. g. on the bottom cover - for the operator's convenience. Option 1 may be installed with or without the other options.

Table 9: S1 frequency ranges (Option 1)

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

S1 Position	S1 Knob Pointer 'o'clock"	Min. Freq. kHz	Max. Freq. kHz	Tank Inductor Values
#	=====	=====	=====	"Main" L # uH "Tap" L # uH
1	7:00	130	187	L1 4700 L12 1000
2	8:00	187	280	L2 2200 L13 470
3	9:00	280	405	L3 1000 L14 220
4	10:00	405	580	L4 470 L15 100
5	11:00	580	870	L5 220 L16 47
6	12:00	870	1280	L6 100 L17 22
7	1:00	1280	1900	L7 47 L18 10
8	2:00	1900	2760	L8 22 L19 4.7
9	3:00	2760	4050	L9 10 L20 2.2
10	4:00	4050	5900	L10 4.7 L21 1.0
11	5:00	5900	8750	L11 2.2 L22 0.47
12	6:00	(determined by external coil at J7)		

Option 2 = regeneration vernier pot.

Smother control of regeneration is possible by changing R3 from a 150 ohm fixed resistor (as in Figure 1A) to a 500 ohm linear-taper potentiometer (Mouser 31CT205 or equivalent - see Figure 8 and Table 11). During operation, this pot. is normally set to center position until R2 has been adjusted to the regeneration threshold (point at which audio gets "muddy" and oscillation breaks out). Then, R3 may be adjusted (while simultaneously re-peaking C1) to obtain desired tight selectivity consistent with intelligible audio. Option 2 may be installed with or without the other options

Option 3 = higher gain

(Refer to Figures 5, 6, & 8 and to Tables 10 & 11)

An extra amplification stage is added for rendering very low level input signals usable to the DXer. Such inputs typically result from using short antennae, running a passive phaser ahead of the MWT-2, and/or DXing from rural locales during daylight or auroral night-time conditions. The BBA-C broadband amplifier shown provides good dynamic range and gain. It is somewhat battery-hungry, pulling about 120 mA in normal operation. The previous BBA-B design (as used on MWDX-4 phasing units) may be substituted. BBA-B pulls about 50 mA and has gain comparable to that of BBA-C (approximately 20 dB), but it is more susceptible to overload in strong-signal (urban / suburban) environments. Option 3 may be installed with or without the other options.

Table 10: (A1) BBA-C broadband amplifier card parts list

See Table 4 for vendor codes

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	BD	perfboard(1.4"X1.4")	RS	276-1396 (cut)	1
2	C1,C2,C5,C6	capacitor, 0.1 uF	RS	272-109	4
3	C3	capacitor, 10uF tant.	MOU	581-10M35	1
4	C4	capacitor, 0.001 uF	RS	272-126	1
5	H1,H2,H3,H4	screw, 4-40 X .25"	MOU	572-01880	4
6	H1,H2,H3,H4	spacer, 4-40 X .5"	MOU	534-1450C	4
7	H1,H2,H3	split lockwasher, #4	MOU	572-00649	3
8	H4	solder lug, #4	MOU	534-7311	1
9	P1,P2,P3,P4, P5,P6,P7	flea-clip for .042 hole	MOU	574-T42-1/100	7
10	Q1	transistor, 2N3866	MOU	511-2N3866	1
11	R1,R5	resistor, 5.1 ohm	MOU	29SJ500-5.1	2
12	R2	resistor, 33 ohm	RS	271-007	1
13	R3	resistor, 100 ohm	RS	274-1311	1
14	R4	resistor, 2.7K	MOU	29SJ250-2.7K	1
15	RFC1	inductor, 3300 uH	MOU	43LH233	1
16	U1	voltage regulator, 7812	RS	276-1771	1
17	W	buss wire	RS	278-1341	approx. 1'

Option 4 = broadband amplification function

(Refer to Figures 7 & 8 and to Table 11)

The S2 function switch is replaced by a 4-position, 6-pole rotary switch (Mouser 10WR064, or equivalent) and is wired in with additional components R8, R9, and the TA1 transformer assembly. This option requires installation of Option 3 (higher gain). When installed, Option 4 provides a fourth function switch setting: Broadband Amplification. This is particularly useful when the input is already of a narrowband nature (such as a phasing-unit output or the low-impedance coupling-coil output of a tuned passive loop) but is of insufficient level to overcome receiver noise. Untuned shortwire antennae may be broadband-amplified if there are no extremely strong signals present that could cause mixing spurs to be produced.

The Broadcaster's Guide to DX

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

Table 11: holes added to implement options
Refer to Table 3 for definitions of X, Y, D hole drilling parameters.

Holes added for Option 1T O P S I D E

Hole #	Comp. Desig.	Description	X	Y	D
18	J7	External Coil In-stereo jack	-0.125	3.25	0.375

Holes added for Option 2

T O P S I D E

Hole #	Comp. Desig.	Description	X	Y	D
19	R3	Regen. Vernier pot - shaft	1.5	0.625	0.3125
20	R3	Regen. Vernier pot - tab	2.0	0.625	0.144

Holes added for Option 3

R I G H T S I D E

Hole #	Comp. Desig.	Description	X	Y	D
10	A1	Broadband Amp. Card - H/W 3	-1.625	1.375	0.125
11	A1	Broadband Amp. Card - H/W 1	-1.625	0.375	0.125
12	A1	Broadband Amp. Card - H/W 4	-0.625	1.375	0.125
13	A1	Broadband Amp. Card - H/W 2	-0.625	0.375	0.125

Holes added for Option 4

L E F T S I D E

Hole #	Comp. Desig.	Description	X	Y	D
7	TA1	Imped. Transformer - H/W 1	0.7	1.875	0.125
8	TA1	Imped. Transformer - H/W 2	1.5	1.875	0.125

Supplementary Articles and Publications

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

(* = NRC / IRCA reprints)

* **MWDX-4 and Mini-MWDX-4 series Phasing Units** - Mark Connelly - 11 OCT 1985 (Shows BBA-B amp. card which may be used in place of Option 3 BBA-C)

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

* **RT-1: Remotely - Controlled Antenna Tuner** - Mark Connelly - 24 OCT / 26 DEC / 27 DEC, 1984. (construction practices)

publications

NRC: **Antenna Manuals, Receiver Manuals, Beverage Manual, Loop Manual**

IRCA: **Technical Guide**

Ken Cornell: **Low & Medium Frequency Scrapbook**

ARRL: **Radio Amateur's Handbook, Low Band DXing (ON4UN)**

Fine Tuning / John Bryant: **Proceedings 1988, Proceedings 1989**

Station Profile

A special feature concerning a unique station

Tony Fitzherbert

356 Jackman Avenue
Fairfield, CT 06430-1728

CHYR RADIO

Leamington, an immaculate, neatly laid out town on the North Shore of Lake Erie, with a population of about 15,000 people, exudes a typical "hometown" feeling, and is surrounded on three sides by flat geography, and hundreds of farms.

Leamington's CHYR, until recently the only station on the continent to use two frequencies (WZMK-680 days, and 690 at night, in Westland, MI, has recently begun this arrangement, and WLIB-1190, D-3 in New York, is looking at 1200 khz for night operations) is indeed a curiosity, as well as an occasional source of frustration for its owners. The 10,000 watt 710 directional signal covers much of Michigan and Ontario, and the 500 watt night signal, on 730 khz brings the station's programming to a far smaller area, consisting of Metropolitan Detroit, Windsor, and Leamington. How this two frequency arrangement came to pass is an unusual story.

CHYR and CHYR - 7 (yes, two separate calls!) began in 1955 as CJSP, a non-directional 250 watt daytimer on 710 khz. The original call stood for "Sun Parlor", significant because of the station's location in the southernmost part of Canada. Because of its southwestern Ontario location, the area receives more sun than any other part of Canada (but, as General Manager Lou Tomasi notes, not in the cold winters!), and is thus known as the "Sun Parlor". In fact, CHYR is Canada's southernmost broadcasting station.

Cheeradio

Since 1955

The local owners included John Moore, a CBE-Windsor program director, and Al Bruner. Mr. Bruner was a tenor, singing with Wayne King, the "Waltz King". He later left CHYR to found the Global TV Network, thus fulfilling his dream of owning a television network in Ontario.

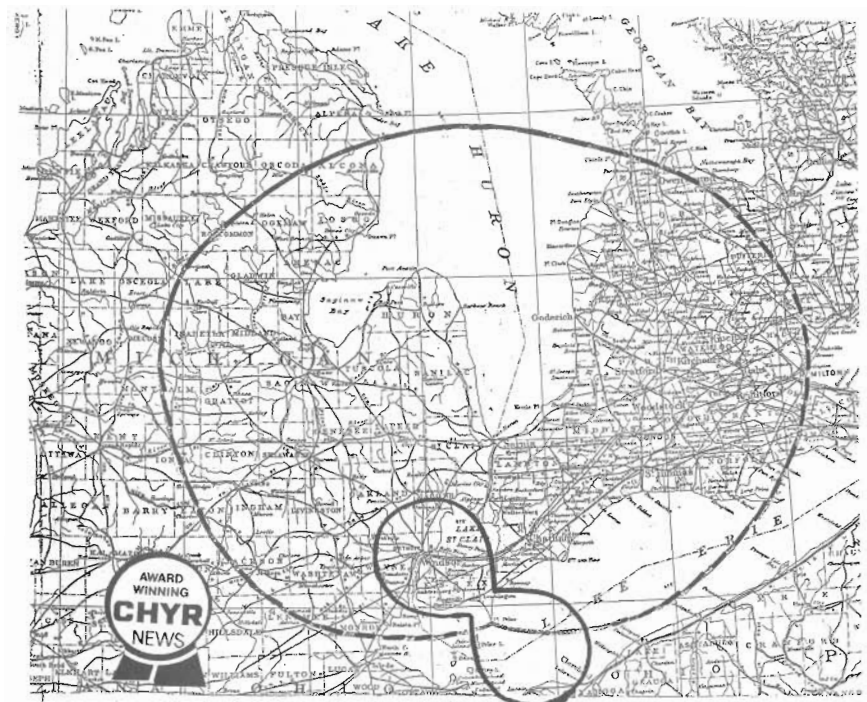
Mr. Bruner hired Lou Tomasi from a St. Thomas radio station in 1955 to be the morning man. 35 years later, Lou is Vice President and General Manager of the two stations. Also hired was Seymour Epstein, to be chief engineer. To Mr. Epstein went the complex job of putting CJSP on the air full time.

The at that time Canadian Department of Communications could not allow CJSP to broadcast full time on 710 khz - 710 was a clear channel frequency for the United States, and WOR in New York had to be protected. However, between 1955 and 1968, CJSP did receive permission for power increases, up to 1000 watts non-directions.

The innovative solution to put the station on full time involved two frequencies. It should be noted that CJRN - 710, Niagara Falls, operating with 10,000 watts days and 5000 watts at night, is much closer to New York. It protects WOR with a very tight northwest signal, from a twelve tower array in Port Erie, ON. The two frequency idea did have a prototype. CBKF, in Gravelbourg, SK, operated on 710 khz days and, at night, listeners tuned to 1230 khz, which was a far more drastic spread than the anticipated 710 - 730 spread in Leamington. CBKF, later obtained by the CBC, was moved to 690 khz, from which it today broadcasts fulltime, with 5000 watts (directional at night).

What North American radio station requires two licenses, two frequencies, and two sets of call letters in order to serve its market 24 hours a day? The answer to this question is CHYR and CHYR - 7, 710 days and 730 on the AM dial at night, in Leamington, ON.

The little station broadcast from studios at 23 Erie Avenue, North, in Leamington, with two DJ's, one newscaster, and a variety of local interest shows, in blocks. In its first year, CJSP even aired ethnic programming (as 38% of the population of Essex County is neither of French or English origin) and a childrens' show.



730 khz was a Mexican clear channel frequency at night. During the day, WPIT, Pittsburgh, plus nearby WJYM, Bowling Green, OH, and CKAC, Montreal, as well as other US stations required protection, so 730 was out of the question. Except for CKAC, several other distant Canadian stations, and 500,000 watt MEX, 730, Mexico City, 730 was an open frequency after sunset.

Two licenses would be required to operate two different broadcasting facilities on two frequencies. Additionally, under Canadian regulations, two sets of call letters would be necessary. The owners realized that this would provide an identity problem. The call letters for the small daytimer had been changed to CHYR, for "Cheeradio". The night station, technically a separate operation required its own but ideally similar calls. So...what was available for night operation? CHYF?...or CHIR? Chief Engineer Seymour Epstein, who knew the broadcasting regulations, and who had done consulting work in Mexico, asked his boss, "You need a new set of calls? It would be sort of silly to use two sets of call letters. Would you like "CHYR-7" at night? You will have the only radio station in the world with a numeral in your call letters!" (Which was not prohibited in the Canadian Department of Communications regulations!).

The application for CHYR-7 was filed in 1968, as was an application for 10,000 watts directional days, and 500 watts for the night operation, with nulls toward Montreal and Mexico City. A six tower array replaced the single tower, constructed in Point Pelee, four miles southeast of Leamington, just outside the entrance to the lakefront Point Pelee National Park. This park is a recreational area for swimming, fishing, and boating. Also on December 7, 1979, the studios and offices moved to their present location, second floor quarters at 100 Talbot Street.

Once CHYR and CHYR-7 began fulltime operation, the stations broadcast 18 hour daily. The format for years was a variety of local programming and middle of the road music. However, with 10,000 watts the station covered Detroit and Windsor at local strength. Thus, in 1980, Lou Tomasi, as General Manager, decided that Top 40 would give CHYR a more competitive

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advantage with the Detroit FM stations. The Police, Culture Club, and Bruce Springsteen replaced Tony Orlando and Dawn, Johnny Mathis, and Al Martino, giving the station a more lively sound, which put CHYR on the American Arbitron surveys. Of course, the stations had to follow the Canadian Content regulations. To this day, the "Can-Con" obligation requires that 30% of the music aired must be by Canadian artists. Canadian Radio Television Commission rules mandate that broadcasters tape their frequencies for CRTC compliance audits 24 hours a day. Thus, all Canadian radio stations have a tape recorder going at all times - even if the station is a daytimer - with one exception. CHYR - CHYR-7 must run two tape recorders constantly, as it broadcasts on two frequencies! These machines quietly whirl away in a corner of CHYR's control room.

Unlike a well known Windsor station which covers vast areas of both the United States and Canada, CHYR - CHYR-7 never tried to hide, and even emphasizes its Canadian identity. After a Michigan contest caller responded on the telephone to the question "What is your favorite radio station?"... "CHYR-Detroit", CHYR referred to itself as "The Amazing AM - Radio 7 - Canada".

Over the years, the station has formatted variety, middle of the road, adult contemporary, and hard rock music. Today, "Cheeradio" listeners enjoy a mix of adult contemporary music, local news, and sports. Since 1980, the station has carried both Toronto Maple Leaf Hockey and Blue Jay Baseball. The Blue Jays were a gamble in the early 1980's when they were a losing team. Now, however, they are a winning club, so in spite of the station's location, deep in Detroit Tigers territory, thousands of listeners enjoy the Blue Jay games on CHYR. This pleasure can turn to irritation at night during night games, usually in the forth inning, when the bases are loaded, nobody is out, and CHYR goes from 710 khz to 730 khz, with a power reduction and a pattern change. In July, the frequency switch occurs at 9:15pm, and listeners northeast of the station hear nothing on 730! The station's network, Telemedia, feeds the sports, and adult contemporary music, at night, via satellite.

EVENING CHANGE OVER

'CHYR FREQUENCY SHIFT...HIGH TECH ENGINEERING ENABLES CHYR
TO OFFER YOU 24 HOUR A DAY SERVICE...STAND BY TO RESUME
LISTENING AT 730 ON YOUR AM DIAL.....
.....perform change over procedure while
music runs.....
.....
CHYR CONTINUES.

Here is the famous CHYR changeover message. Today it is heard on tape, but is available in the control room if there is a problem with the cassette on which it is recorded.

Sunday programming is a mixture of religion and ethnic programming. CHYR carries German, Italian, and Hungarian programs, eagerly listened to in Detroit's ethnic communities, as well as in areas of Essex County, as is evidenced by the sold out advertising on these foreign language programs. When the Blue Jays play on Sunday, the game is taped, and aired after 7:00pm, so that the ethnic hosts may serve their audiences.

CHYR and CHYR-7 operate from the second floor of a two story building at 100 Talbot Street, East, in Leamington's business district. Twenty two full time employees, including a four person full time news staff, and some part timers (usually college students) work out of this facility. CHYR's offices are surrounded by a production studio, news room, and large control room, overlooking Talbot Street.

The Answer Man

Got a question about radio? Send it to NRC's Answer Man: Russ Edmunds - 753 Valley Rd. - Blue Bell, PA 19422-2052. No question is a dumb question, and Russ will answer all, from basic to highly technical. Watch for the answer in *DX News!*

CHYR's transmitter site, on farmland, is next to Lake Erie. Two transmitters are required. An old RCA transmitter feed four towers with the daytime 10,000 watt signal. The 500 watt night signal comes from an old GE-500 unit, and feed two towers. CHYR - CHYR-7's array is made up of five guyed, in line 250 tall towers, and one offset tower. The daytime pattern goes north, east, and west, with no signal radiated south, over the lake. The CHYR-7 pattern is all northwest and southeast.

CHYR's 710 khz signal has been received as far away as Norway, according to DX reports received at the station. CHYR-7 has produced accurate reception reports from as far as Baltimore and Wyoming.

The transmitter site is on the former chief engineer's mother in law's property. When Brian Hinz was building the site, a woman living on the property would send her daughter out with food and coffee for him. They began dating, fell in love, and got married. Mr. Hinz later lived across the road from both his mother in law and the transmitter site.

The sunrise - sunset switch from 710 to 730 khz, and back can be plagued with problems. The changeover requires 68 relay switches, which operate in sequence. Occasionally, because of weather conditions, one or more relays may misfire - stranding the station between 710 and 730 khz. The switch can neither go forward, nor be reversed. The CE must then track down and set the malfunctioning relay, to complete the changeover. The transmitters are out of date, parts are hard to get, and the individual transmitters cannot change to the other frequency. However, the day RCA transmitter can go down to 5000 watts.

The relays have been instrumental in at least one oil spill over the years - involving PCB's - when a part, encased in oil broke. The oil spilled onto the ground. As CHYR could not allow anyone close to the contaminated oil, a problem if a relay became stuck, the station was allowed to stay on 710 khz around the clock until the problem was cleared up.

To eliminate the changeover, CHYR has applied to the CRTC for authorization to drop its AM operation and broadcast fulltime on 96.7 mhz, with 20,300 watts on the FM dial. Bluewater Broadcasting, CHYR's owner, operates an FM station in Kitchener on the same frequency, and a CHYR - FM signal would slightly interfere with this station, which is not a problem, according to the owners. It would be far more acceptable than operating two separate AM frequencies. The application was rejected once, but Bluewater has reapplied. If successful, CHYR's programming would move to FM, and the dual frequency operation of CHYR - CHYR-7 would be an intriguing bit of radio lore.

The editor would like to thank Lou Tomasi, CHYR Vice President and General Manager for all of his help in providing information for this station profile. He gave the editor a comprehensive tour and overview in an August meeting last year. Thanks also goes to Fred Vobbe and Frank Orcutt for responding to a request for information on CHYR a few years ago. This information was kept, and added significantly to this profile.

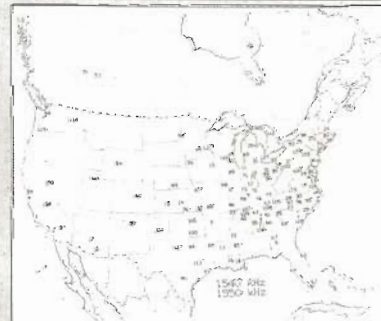
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Musings

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.

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Times are local per Muse.

G. HARLEY DELEURERE - P O BOX 10 - HENDRICKS, WV 26271-0010

For the past 4 months, we have been moving into our new home. It's a long, drawn out process. The other day, I ran across the book "The National Radio Club, 50th Anniversary, 1933-1983", it was most fascinating. One Page 40, there I am at the age of 21, The "UNID" bloke directly behind me is my brother Armand Pierre DeLeurere, who lives in Hobart, IN. My name is misspelled, that's easy to do though. Yesterday, I received a 2 page verie from Mr. Jean-Francois Bolduc for my reception of CHLC-580. At the end of April, Mr. Bolduc will be going back to Montreal to work as a French language announcer-producer for Radio Canada International. He may be a contact for reports to CBC stations. Shortly, I'll be concluding my 35th year with the NRC. Back then, dues were \$4 per year, the postage for bulletins was 2¢-3¢ per issue. I must say that I do believe the powers to be in our club are the greatest and are doing a tremendous job in these days of inflation. My 1st verie was from WEGA-1410 Newton, MS. They sent my name to the NRC and the rest is history. DX locations have been Hobart, IN; Aberdeen, Scotland; Albion, MI; Washington, DC; Elk Garden & now, Hendricks, WV. Without the NRC, I would have quit years ago! Thank you, everyone!

MIKE HAWK - 10212 P STREET - OMAHA, NE 68127-2130

Hello again. It's good to see support for Musings is up a little. I have a lot of DX to note this time. On 2/8, I noted either TVI or auroral cx. I tuned to 830 to check my auroral indicator WCCO and sure enough, they were not there, so I decided to check the higher frequencies, starting at 1600 and working down. At 7:44P, KGBC-1540 was in w/high school BKB o/pest KXEL w/plenty for a report. Further down, XEPA-1370 was noted. On 1030, Radio Centro from Mexico City was strong for a while. Also noted XEWS-1020 & XEAD-1150. KRIL-1410 w/NOS music, strong at 9:41P. Also noted KDFX-1260 w/K-Fox 95 slogan at 10P. Even the GY's were good to the south, noting KAYC & WSMQ w/ID's on 1450. 10 new stations were heard that evening. Total heard as of 2/11 stands at 1265, 1224 excluding call changes. Recent veries include a business card from KRAI-550, WIBW-580, WOI-640. It seems that getting veries from locals/semi-locals is easier than from the rare ones! Some of the better ones not yet verified include KJJR-880, KLUC-1140, WKFY-1420, CJVR-1420, WCHB-1200, WBSL-1190 & WNDZ-750. I sent a report to KXOK-630 when they had all news, they've since changed formats. Other recent good catches include CHYR-730 w/a Cheer 730 slogan, WABS-780-DX, CKPR-580 and Radio Jamaica on 700, 720 & 850, 720 & 850 ID'ed as Radio One. Also noted KDWN on night pattern with WGN off. No sign of AK at that time or on their DX TEST. I think when I get older, I'll move to Canada just to be able to set up a beverage antenna so that I can hear ME! I was listening to 1160 recently, hoping for WSKW, I heard a NOS station which fits their format, but it was ID'ed as WJJD after a while. Someday! The local radio scene saw KFAB take over the #1 slot, KEZO-FM dropped to #2. WOW-590 simulcasts with WOW-FM 94.1 from midnight til 10A CST. Unless I start getting more veries back soon, I think I'll use my stamps and contribute more to DX NEWS! Finally, listen to KOA-850 on April Fools Day after the midnight new MST. Last year, they acted like they switched formats to heavy metal and the year before, they told everybody they would be given a gold bar for showing up at the studio. And many did, only to find out it was a joke! 73's

JIM WALLACE - 63280 SAND HILL ROAD - BELLAIRE, OH 43905

It's been a long time since I've sent in a Musing, so for those of you who don't know me, here's a short intro. I've been DXing since 1969, first in the Cleveland area then in the Columbus area and in the past 10 years, here in the upper Ohio Valley. I am news director of WWVA-1170 Wheeling, WV and take care of WWVA's reception reports. Some of them come from as far away as Finland! I have caught up on most of them which were received in 1990, but I've found a couple I've missed. If you send me a report, be patient, I get to them all but it takes a while sometimes because my job keeps me awfully busy. We've changed our news format a bit since the war broke out, with local news following national news at the top of the hour, updates at :20 & :40. WWVA's network for the past 2-3 years has been NBC, not ABC as the log indicates. DX has been spotty this season, to busy working on the radio to listen to it enough. This season, I've received the tests from KVOX-1280, WITZ-990 & KSTL-690. I verified WITZ & KSTL, didn't need KVOX. I'm still looking for veries from a few of last years tests including WKEN-1600 (did you get my report, Dave?) (Yes, it was buried under the mess on the desk, you should have it by the time this gets printed-DWS), WILD-1090 (ditto-DWS) & WZEP-1460 (which never verified a report from the 70's). On another matter, would anyone know who runs the Houston Astro's on 92.5? This was noted last summer, fading at ID time. A couple of possibilities were called but no luck. I'd appreciate any help, because this one's been driving me nuts. Good DX to all of you!

BRUCE CONTI - 34 KESSLER FARM DRIVE - NASHUA, NH 03063

There's nothing like the excitement of pulling in some real DX. The story begins as I decided to work on IDing some UNID stations this weekend. 2/8 WPGC-1580 finally caught at 5:45P with traffic reports w/CBJ. WPGM-1570 briefly noted at 6:30P mentioning WPGM-FM. 2/9 WBUG-1570 good at 5:26P w/ID as 'The Bug' and CW classics 'from yesterday & today'. WBUX-1570 made it at 5:34P c/WBUG w/ID & standards. There was no sign of CKLM. WARD-1550 strong w/Money Talk, CNN Gulf War Update and promo for winter storm reports w/WNEF-TV 16, ID 6:30-6:36P. WFLR-1570 noted at 7P w/mention of Watkins Glen and Country 15-70 ID's. 2/10 having cleaned up the UNIDs on 1570, it was time to think about what frequency to work on next. Moving down the dial, I noted WKKB-1520 barely audible so I stopped. This was at 9:15P. It was actually a strong het on the high side of 1520 that was wiping out WWKB, so some careful tuning to reduce the het resulted in finding some Arabic chanting. There was a chant, followed by a moment of silence then more chanting and so on. By 9:30P, it was loud & clear. This continued thru 9:35P. By then, the station was fading under WWKB. I stayed with it til 10:30P, the het remained but the station was never listenable again. This must have been Duba, Saudi Arabia-1521, the most distant station I've heard on the BCB and the 1st TA reception for me since the 70's when the BBC-1088 was a regular. 73's!

KEN ONYSCHUK - 13612 WENTWORTH AVENUE - RIVERDALE, IL 60627

I haven't DX'ed a frequency like 820 since WIND-560 did us a favor a few years ago. Backtracking, I enjoyed the BFL music on WXEZ and was angry when they switched to pop/adult and later to WPNT, it was hard enough just to get a legal ID on this one! On 1/13, I noted in a local library via Billboard that WPNT had gone silent - WOW! What an opening! So I tried DXing on the CAR radio after work every day during local sunset time (4:45P). Driving from Crestwood. The first couple of days, I was surprised to hear WRFM-FL w/Christian programming, it did mix w/WBAP/CHAM at times. At 5P, it would drop power but was still weakly audible. Tried for WSWI-IN but no sign of that. Waiting til Sat., using both GE's I couldn't get a daytime signal on WOSU. At 5P, NPR news was noted but no ID. In S Cook County, WTVN-610 has a decent signal but no dice on WOSU. Still not noted at Mokena. I hope this lasts for a while and I can DX 820 more. In closing, USA TODAY had a nice page on spring training 2/1. I'm not quite ready for baseball, though. Personally, if the sports pages would concentrate more on stats instead of paychecks, it would be more enjoyable! Good DX (on 820)!

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

Finally had a chance to see what a tower falling session looks like first hand with the cutting of 2 of the 3 towers in the old WWBZ/WVUSJ transmitter sight outside of Vineland, NJ on 2/16. Sorry to see the old hulks go, with the original 1946 'pipe' tower being one. It also started a field fire from the sparks of the torch and high winds. Also saved from the dumpster were the old reception report file with reports noted from Jerry Bond-Watertown, NY (65), Joe Kureth-Uniontown, MD (86), George Vanish-Trucksville, PA (85), Frank Wheeler-Erie, PA (62), John Sampson, Freehold, NJ (62), Roger Winsor, Berwyn, IL (66), Andy Rugg, Pinte Claire, PQ (62), Robert Kramer - Chicago, IL (72), Charles Spellman-Baltimore, MD (73), Jeff Falconer-Clinton, ON (75), Dave Whatmough-Hamilton, ON (72), Kelly Andrews-Goldsboro, NC (65), Rick Evans-Gary, IN (70), Jim Wallace-Olmstead Falls, OH (72), Bill Burrows-Gloucester City, NJ (86), Bill Alisaukas-Pateron, NJ (65), Ted Fleischaker-Louisville, KY (76), and a William Moser-Crozer Seminary, Chester, PA (61), could this be our same ND member? Lots more, many of members past! Bill Burrows called to advise that he has a number of tubes for sale at good prices, most new. Look for info on that in DXCHANGE. WBG-1020 is now SPANISH, dropping Visitor Info. Radio. Studios are tied in with WREY-1440 but don't believe it's a simulcast deal. Thanks to all for the fine & continued support to the column, lots of names coming out of the woodwork again!

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