

# DX News

Serving Medium Wave DXers since 1933

Volume 87, No. 13 • Mar. 24, 2020 • (ISSN 0737-1639)

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**From the Publisher:** Well, if there was ever a hobby that was made for a time of social distancing, DXing is it! Everything is in the process of shutting down here in the D.C. area; some regions of the U.S. have already closed many activities and other regions are also restricting gatherings. So, everybody, let's all hunker down and stay safe and healthy! And if you find more time for DX, do let us know what you're hearing.

Our next issue is in 3 weeks. We'll have a great interview that George Santulli conducted with Tommy Shannon, the legendary WKBW DJ back in the day. And your DX. And probably not the MLB baseball network lists.

**Conventions:** The 2020 IRCA/ Decalcomania Convention will be held at the Four Points by Sheraton, 1221 S. Harbor Blvd, Anaheim CA 92805. (North of Disneyland) September 10-12, 2020. Phone number for reservations is 714-758-0900 (mention convention). Guest room rate is \$115 per night plus tax and includes all you can eat breakfast. Parking is \$10 per day. Registration fee (not including banquet) is \$25 payable to Mike Sanburn PO Box 1256, Bellflower CA 90707-1256.

Activities will include station visits, IRCA business meeting and auction, and nightly fireworks show. Hotel amenities include free Wifi, 24-hour business center and 24-hour pool. Local eateries within walking distance are Starbucks Coffee, Taco Bell, and Shakeys Pizza. Cutoff date for room reservations will be August 20.

More details will appear soon. For information contact [mikesanburn@hotmail.com](mailto:mikesanburn@hotmail.com). Website for Anaheim visitor's information: [www.visitanaheim.org](http://www.visitanaheim.org). The link for making reservation at Four Points is [here](#).

## From the Archives

**75 Years Ago** – From the March 17, 1945 issue of *DX News*: Many members would like to see "drastic action" taken against certain members who allegedly wrote "Catty and Sarastic" letters

to WGNC after their recent DX test, but the identity of those members is unknown.

**50 Years Ago** – From the March 28, 1970 issue of *DX News*: The U.S. postal strike is causing major problems for *DXN*; editors can't send in their columns and the printer can't mail them; the eclipse of March 7 didn't produce the expected DX results because of an auroral disturbance.

**25 Years Ago** – From the March 20, 1995 issue of *DX News*: Dave Schmidt will conduct a DX test at WNRC-1260 Newark DE. Longtime member Peter Clarius passed away at age 80. The NAB will broadcast a digital test station on 1660 kHz from Las Vegas NV during their April convention.

**10 Years Ago** – From the March 15, 2010 issue of *DX News*: Longtime Detroit broadcaster Dick Purтан announced his retirement.

**NRC AM Radio Log 40th Edition** is now sold out! Wayne and team will now turn their attention to the next edition, due out in late summer.

## Volume 87 DXN Schedule

No	D'dline	Print	17	June 14	June 23
14	Apr. 5	Apr. 14	18	July 12	July 21
15	Apr. 26	May 5	19	Aug. 16	Aug. 25
16	May 17	May 26	20	Sept. 13	Sept. 22

## Membership Report

**New Members:** Welcome to Thomas Berhalter, Summerville, SC; and Anthony Hart, Auburn, NY.

**Returning Members:** Welcome back to Mike Cook, Fortville, IN.

**Renewing Members:** Thanks for the ongoing support of Robert Ballenger; Charles Behler; Richard Colgan; Mark Connelly; Robert DeMarco; Kenneth Eddy; Stephen Francis; LeRoy Hennes; Peter A. Horton; Arthur Jackson; Thomas M. Jasinski; Robert Lewallyn; Donald Neumeyer; Charles Reh; John R. Stacy; Mike Strand; Robert G. Stonier; Mark Taylor; Alphonse Tobia; Tom Walsh; David Yocis; and Philip Zmenkowski.

# AM Switch

David Yocis, 9412 Ferry Landing Ct., Alexandria VA 22309, [NRCDXNews@gmail.com](mailto:NRCDXNews@gmail.com)  
Canadian info – Compiled by Shawn Axelrod and Dan Sys  
NRC AM Log updates from Wayne Heinen, [amlog@nationalradioclub.org](mailto:amlog@nationalradioclub.org)

## *FCC and CRTC Decisions and Applications*

### CALL LETTER CHANGES

- 910 **WBZU PA Scranton** – Call change to WAAF (Feb. 26).  
1170 **KOWZ MN Waseca** – Call change to KFOW (Mar. 2).  
1280 **WJYE ME Gardiner** – Call change to WHTP (Mar. 6).  
1310 **WNAE PA Warren** – Call change to WICU (Mar. 4).  
1400 **WCYR ME Veazie** – Call change to WHZP (Mar. 1).  
1480 **WFLN FL Arcadia** – Call change to WCXS (Mar. 3).



### STATIONS GOING DARK

License reinstated:

- 1100 **WCGA GA Woodbine** – License had been revoked by the FCC on Jan. 16 for failure to pay regulatory fees over a number of years; FCC has now reversed itself because it hadn't noticed WCGA had filed a response to the FCC's complaint on Dec. 27.

Licenses cancelled, calls deleted:

- 1080 **KCNM MP Saipan** – License cancelled by FCC Mar. 6; has been silent since Nov. 8, 2017.  
1220 **KVSA AR McGehee** – License cancelled by FCC Mar. 12; no explanation.  
1500 **WRWM GA Macon** – License voluntarily surrendered by licensee Feb. 25; was WAYS until Feb. 13.  
1550 **KLSZ TX Canyon** – License voluntarily surrendered by licensee Feb. 25; silent since June 12, 2019 as KNSH; I believe KLSZ was never used on the air.

### CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs fully licensed and on the air:

- 1470 **WTTR MD Westminster** – Granted license to cover CP for U1 540/35, adjusted coordinates 39-34-38/77-01-22.  
1560 **WAHT SC Cowpens** – Granted license to cover CP with D1 15000 (ch 870), CoL ex-Clemson SC, new site 34-57-34/81-48-35.  
1580 **WVZN PA Columbia** – Granted license to cover CP for new site 40-01-31/76-28-31. (Dave Schmidt notes a marked improvement in their signal.)  
1600 **WPDC PA Elizabethtown** – Granted license to cover CP for U1 1000/7.

CPs built, nearing final licensing (and may be on air):

- 910 **WLTP OH Marietta** – Applies for license to cover CP with U4 5000/13, existing day site.  
1150 **WSNW SC Seneca** – Applies for license to cover CP with U1 500/58.  
1320 **KNIT UT Salt Lake City** – Applies for license to cover CP with U1 730/730, new site (diplexed with KJJC-1230) 40-39-57/111-54-26.  
1490 **WGCD SC Chester** – Applies for license to cover CP with U1 650/650, adjusted coordinates to 34-41-53/81-12-07.  
**WPCI SC Greenville** – Applies for license to cover CP for new site (diplexed with WPJF-1260) 34-54-30/82-20-41.  
1560 **KTUI MO Sullivan** – Applies for license to cover CP with U1 1000/25.

CPs granted:

- 560 **WQAM FL Miami** – Granted CP for U1 4100/1000, moving to license used auxiliary site 25-50-22/80-11-23.  
960 **KGKL TX San Angelo** – Granted CP for U1 5000/116, adjusted coordinates to 31-29-42/100-24-51,  
1380 **KUVR NE Holdrege** – Granted CP for D1 320, new site (diplexed with KRVN-880) at 40-30-57/99-23-47.  
1430 **WLTG FL Panama City** – Granted CP for U1 125/60, CoL to Upper Grand Lagoon FL, new site (diplexed with WPCF-1290) 30-10-44/85-46-55.



- 1490 KOSJ CA **Santa Barbara** – Granted CP for U1 1000/940, adjusted coordinates 34-25-08/119-41-10.
- 1520 WBZW FL **Apopka** – Granted CP for U4 4000/8, CoL to Fairview Shores FL, new site (diplexed with WRSO-810) 28-34-12/81-26-00.
- 1580 WNTF FL **Bithlo** – Granted CP for U1 4700/10, adjusted coordinates to 28-32-12/81-05-08.

Amendment to existing CP granted:

- 1480 KPHX AZ **Phoenix** – Has CP for U4 950/320, new site (diplexed with KSUN-1400) 33-23-21/111-59-53 (9/21/2021); granted modification to U1 1000/33, same new site.

Applications for CP filed:

- 850 WPTK NC **Raleigh** – Applies for CP with U1 9000/120, new site (diplexed with WPTF-680) at 35-47-38/78-45-43.
- 1210 KGYN OK **Guymon** – Applies for CP with U2 22000/10000; replaces old CP for U7 50000/10000 (ch 39000) which has expired.
- 1230 WEEX PA **Easton** – Applies for CP with U1 1000/1000, adjusted coordinates 40-42-31/75-13-00. One of the few graveyards with a directional DA pattern daytime-only.
- 1270 WJJC GA **Commerce** – Applies for CP with U1 1000/173, existing site.
- 1380 KRCM TX **Shenandoah** – Applies for CP with U5 22000/50, new night site 29-39-55/95-45-27; to replace prior CP for the same which has expired.
- 1490 WSTP NC **Salisbury** – Applies for CP for new site (diplexed with WSAT-1280) 35-40-44/80-30-23.

#### SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

- 580 KUBC CO **Montrose** – Granted STA, minor parameters at variance.
- 950 KJTV TX **Lubbock** – Granted STA, U4 2500/500, transmitter problems.
- 1230 WTCJ IN **Tell City** – Granted STA, reduced power (using U1 20/20), transmitter failed.
- 1250 WSPL IL **Streator** – Granted STA, U1 110/35, portion of tower taken down as unsafe.
- 1270 WHLD NY **Niagara Falls** – Granted STA, U4 5000/250, day pattern 24 hours; damage to one of the night antenna tuning boxes.
- 1360 KUIK OR **Hillsboro** – Granted STA, U2 1500/1500, transmitter problems.
- 1520 WLUV IL **Loves Park** – Granted STA, U1 10/10, reporting VSWR (voltage standing wave ratio) issues with the transmitter.
- KOLM MN **Rochester** – Granted STA, U3 800/800, night pattern 24 hours.

Applications for STA filed:

- 1600 KOHI OR **Saint Helens** – Applies for STA, U1 50/5, 120' LW at 45-51-58/122-49-07; has lost licensed site.

Extensions granted to existing STAs:

- 590 WDIZ FL **Panama City** – Granted STA ext., U1 500/500, temp. antenna at licensed site.
- 730 WMNA VA **Gretna** – Granted STA extension, U1 250/7.
- 940 WXNK WI **Shell Lake** – Granted STA extension, reduced power (using D1 50).
- 1150 KAGO OR **Klamath Falls** – Granted STA extension, U1 5000/250.
- 1230 WJOI VA **Norfolk** – Granted STA extension, U1 157/157, temporary whip antenna during tower replacement.
- 1250 WGAM NH **Manchester** – Granted STA extension, parameters at variance.
- 1270 WJJC GA **Commerce** – Granted STA extension, reduced day power (using U1 1000/173).
- 1330 WINT OH **Willoughby** – Granted STA extension, U1 125/11 or experimental antenna.
- 1340 WMDR ME **Augusta** – Granted STA extension, reduced power (using U1 180/180).
- 1360 KWDJ CA **Ridgecrest** – Granted STA extension, reduced power (using U1 250/31).
- 1360 WGBN PA **McKeesport** – Granted STA extension, U1 5000/250.
- 1370 WCOA FL **Pensacola** – Granted STA extension, U3 2000/2000, night pattern 24 hours.
- 1440 WWCL FL **Lehigh Acres** – Granted STA extension, U3 4700/4700 (Cuba QRM).
- 1450 KQTE CA **Helendale** – Granted STA extension, U1 50/50, 170' LW at 34-45-54/117-14-49.
- KIKR TX **Beaumont** – Granted STA extension, reduced power (using U1 600/600).
- 1470 KUTY CA **Palmdale** – Granted STA extension, U1 1250/1250.
- 1480 KPHX AZ **Phoenix** – Granted STA extension, U1 250/25, 31-m LW at 33-23-21/111-59-53.
- WTOX VA **Glen Allen** – Granted STA extension, U1 1570/375.
- 1550 WUSP NY **Utica** – Granted STA extension, reduced day power.
- 1580 WPJK SC **Orangeburg** – Granted STA extension, D1 500 from CP site.

1590 WKTP TN Jonesborough – Granted STA extension, U1 1800/23 as in CP.

Applications to extend existing STAs received:

550 KTRS MO Saint Louis – Applies to extend STA, U1 5000/1250.  
 630 WNEG GA Toccoa – Applies to extend STA, reduced day power (using U1 3000/44).  
 720 WHYF PA Shiremanstown – Applies to extend STA, 60' LW at 40-12-58/76-58-08.  
 830 WCRN MA Worcester – Applies to extend STA, U4 18900/50000, night pattern 24 hours.  
 870 KAAAN MO Bethany – Applies to extend STA, reduced power.  
 880 KLRG AR Sheridan – Applies to extend STA, D1 850.  
 970 WFUN OH Ashtabula – Applies to extend STA, night parameters at variance.  
 980 WAAV NC Leland – Applies to extend STA, U1 5000/1250.  
 KTCR WA Selah – Applies to extend STA, U1 1000/125 from KRSE-105.7 tower.  
 990 KZZB TX Beaumont – Applies to extend STA, U1 250/250.  
 1030 WOSO PR San Juan – Applies to extend STA, D1 300, folded unipole at 18-26-55/66-04-37.  
 1050 KTCT CA San Mateo – Applies to extend STA, U4 50000/35000 (Mexico QRM).  
 1110 WPMZ RI East Providence – Applies to extend STA, reduced power (using D3? 1000).  
 1150 KGDD OR Portland – Applies to extend STA, U1 10/10, whip at 45-31-09/122-36-32.  
 1170 WFPB MA Orleans – Applies to extend STA, D1 25, whip at 41-44-51/69-58-30.  
 1250 WARE MA Ware – Applies to extend STA, parameters at variance.  
 1340 KBNW OR Bend – Applies to extend STA, 100' LW at 44-03-32/121-17-57.  
 1390 WROA MS Gulfport – Applies to extend STA, U4 1000/1000.  
 KBBO WA Yakima – Applies to extend STA, parameters at variance.  
 1400 WZAZ FL Jacksonville – Applies to extend STA, U1 250/250, 99-m LW 30-19-05/81-32-24.  
 1410 WSHY IN Lafayette – Applies to extend STA, reduced power (using U4 500/30).  
 WELM NY Elmira – Applies to extend STA, U1 5000/250.  
 1430 WPLN TN Madison – Applies to extend STA, U1 5000/250.  
 1450 KJCV WY Jackson – Applies to extend STA, minor parameters at variance.  
 1480 WYZE GA Atlanta – Applies for STA extension, U1 10/10 from whip at 33-42-16/84-22-40.  
 1500 KBRN TX Boerne – Applies to extend STA, D1 225, 150' LW at K280GR-103.9 site (29-50-26/98-49-32).  
 1520 KOKC OK Oklahoma City – Applies to extend STA, U1 10000/10000, 35-20-01/97-30-18.  
 1600 WEHH NY Elmira Heights-Horseheads – Applies to extend STA, U5 5000/42.5.

#### SILENT STATIONS

Formerly silent stations informing the FCC that they are back on the air:

1000 WJBW FL Jupiter – Silent Feb. 25, 2019; on the air with STA Feb. 26.  
 1230 WEZO GA Augusta – Silent Apr. 16, 2019; on the air Mar. 2.  
 1340 WVNR VT Poultney – Silent Feb. 25 due to transmitter problems; on the air Mar. 13.  
 1540 WNWR PA Philadelphia – Silent Mar. 5, 2019; on the air with STA Mar. 2.

Stations informing the FCC that they are silent:

850 WAIT IL Crystal Lake – Silent Aug. 27, 2019; has sold licensed site.  
 940 WADV PA Lebanon – Silent Dec. 5, 2019; transmitter needs to be replaced.  
 1380 WMLP PA Milton – Silent Feb. 25; new licensee bought the station but not the studio.  
 1480 WPFR IN Terre Haute – Silent Mar. 1; one owner died and another is ill.

Per Tony Fitzherbert, WRVP-1330 and WTSL-1400 were noted silent on recent trips to their locations.

#### COORDINATE CORRECTION

1300 WMTN TN Morristown – Amends application for CP to correct coordinates to correct them yet again to 36-12-25/83-19-59.  
 1330 WGTJ GA Murrayville – Applies for CP to correct coordinates to 32-22-12/83-56-54.

## *NRC AM Log Updates*

600 WCHT MI Escanaba – Adds // W228DQ-93.5. (JJR)  
 WFRM PA Coudersport – Adds // W243EB-96.5. (FCC)  
 710 KNUS CO Denver – Networks to C/THN/SRN/WW1.  
 790 WLBE FL Leesburg-Eustis – Format to NOS (ex-C&W).  
 800 KDDD TX Dumas – Format to OLD (ex-Farm); adds // KICA-980; delete // KFLP-900; delete slogan, networks. (WH)



850	WAXB	CT	Ridgefield – Slogan to "94.5 The Hawk."
	KHHO	WA	Tacoma – Networks to Fox/P/CMP/Ns/C2C/BRR.
900	KFLP	TX	Floydada – Delete // KDDD-800. (WH)
930	KMPT	MT	East Missoula – Networks to C/SRN/P/DR/WW1/RER.
940	WGRP	PA	Greenville – Networks to A.
960	WDNO	PR	Quebradillas – Slogan & Group to Grp= Cima Norte 97.9. (FCC)
970	WBGG	PA	Pittsburgh – Slogan to "ESPN Pittsburgh Sports Hub."
980	WDDO	GA	Perry – Slogan to "Shining The Light," adds // WNEX-1400; delete Grp= Shining The Light.
	KICA	NM	Clovis – Format to OLD (ex-SPT); adds // KDDD-800. (WH)
1050	KMTA	MT	Miles City – Networks to USA/THN/dkn/AAg/WW1.
1090	KAAY	AR	Little Rock – Networks to SRN/Ar. (GH)
1140	WRNA	NC	China Grove – Group to Grp= WRNA/WRKB
1170	KFOW	MN	Waseca – Slogan to "The Train"
1190	WPSP	FL	Royal Palm Beach – Format to SS:TLK (ex-SS:CHR).
1210	KQEQ	CA	Fowler – Format to Asian (ex-ETH/Asian); slogan to "Radio Punjab."
	KOKK	SD	Huron – Networks to W1n/Ns/dkn/AAg/AGt.
1220	KGIR	MO	Cape Girardeau – Slogan & Group to Grp= ESPN SE Missouri. (FCC)
1230	KSBN	WA	Spokane – Networks to USA/BNN/BTR.
	KVOC	WY	Casper – Networks to THN/WW1/SRN. (WH)
1240	WJEJ	MD	Hagerstown – Adds // W282CR-104.3. (FCC)
	KCVL	WA	Colville – Networks to C/WW1/C2C.
1300	WOSW	NY	Fulton – Format to SPT (ex-C&W); networks to FSR; slogan & Group to Grp= Fox Sports 1490.
1310	WCCW	MI	Traverse City – Format to SPT (ex-SPT); drop slogan, networks to ESPN. (JJR)
	WGH	VA	Newport News – Adds // W265EF-100.9. (FCC)
1320	WISW	SC	Columbia – Slogan to "ESPN 1320 AM," networks to ESPN/MRN.
1340	KRMD	LA	Shreveport – Format to AC/EZL (ex-SPT); slogan to "Lite Rock 100.7," drops networks.
	WCSR	MI	Hillsdale – Format to C&W (ex-TLK/OLD); slogan to "99.5 the Dale," adds // W258DE-99.5; delete Grp = WCSR Group. (JJR)
	WJRI	NC	Lenoir – Group to Grp= Star 100.5 & 94.7. (FCC)
	WWNA	PR	Aguadilla – Adds //W252EH-98.3 (FCC)
1360	KHNC	CO	Johnstown - Slogans to "The Lion, The Roar, No Complaints Here!" ( <i>These slogans seem to rotate depending on the ID cart that is played! wwh</i> )
	KELE	MO	Mountain Grove – Slogan to "Joy FM," adds // KELE-FM-92.5.
	WTOC	NJ	Newton – Slogan to "Radio Visión Cristiana."
1370	KRAC	CA	Red Bluff – Adds // K277CE-103.3. (FCC)
	KAST	OR	Astoria – Slogan to "1370 AM Cast."
1390	KHOB	NM	Hobbs – Networks to THN.
1400	WNEX	GA	Macon – Slogan to "Shining The Light," adds // WDDO-980; delete Grp= Shining The Light.
	WICK	PA	Scranton – Format to OLD (ex-SPT); delete networks; Group to Grp= The Mothership (ex-Grp= The Game).
1410	KRML	CA	Carmel – Delete // K271BP-94.9; Group to Grp= KRML 94.7.
	WSCW	WV	South Charleston – Adds // W272DW-102.3. (FCC)
1430	KALV	OK	Alva – Adds // K258GZ-99.5. (FCC)
1440	WCDL	PA	Carbondale – Format to OLD (ex-SPT); delete networks; Group to Grp= The Mothership (ex-Grp= The Game).
1450	KCLX	WA	Colfax – Networks to A/WW1.
1460	WRKB	NC	Kannapolis – Group to Grp= WRNA/WRKB.
1470	KXSL	AZ	Show Low – Networks to THN.
	KMAL	MO	Malden – Slogan & Group to Grp= ESPN SE Missouri. (FCC)
1480	WJTW	AL	Bridgeport – Slogan to "Jet 95.7."
	WYRN	NC	Louisburg – Adds // W295DK-106.9. (FCC)
	KNGO	TX	Dallas – Format to Vietnamese (ex-Brokered/REL); slogan to "Viet Radio," adds // KGOW-1560 at times. (WH)
1490	WIRB	AL	Level Plains – Slogan to "Talk 1490."
	KFTK	IL	East Saint Louis – Group to Grp= FM Talk 97.1 (ex-Grp= FM NewsTalk 97.1).
	WOLF	NY	Syracuse – Slogan & Group to Grp= Fox Sports 1490.
1540	KGBC	TX	Galveston – Format to OLD (ex-Tejano). (GH)
1560	KGOW	TX	Bellaire – Adds // KNGO-1480 at times.

1570 WBGZ IL Alton – Slogan to "The Big Z."  
 1580 KKTS WY Evansville – Networks to W1n/WW1. (WH)  
 1590 KVTA CA Ventura – Adds // K250BV-97.9. (FCC)  
 WPUL FL South Daytona – Adds // W264DP-100.7. (FCC)



### New Groups

Grp= Cima Norte 97.9 – WDNO-960, W250CF-97.9, W256DX-99.1  
 Grp= ESPN SE Missouri – KGIR-1220, K228FX-93.5, KMAL-1470  
 Grp= Fox Sports 1490 – WOLF-1490, WOSW-1300, W253BZ-98.5, W223CP-92.5  
 Grp= WRNA/WRKB – WRKB-1460, W257EI-99.3, WRNA-1140

### Group Name Changes

Grp= 1400 The Game becomes Grp= The Mothership  
 Grp= FM NewsTalk 97.1 becomes FM Talk 97.1  
 Grp= Just Right Radio becomes Star 100.5 & 94.7  
 Grp= The Locals Station For the Monterey Bay becomes Grp= KRML 94.7

### Group Changes

Grp= Bloomberg 106.1 Boston adds W221EE-92.1 Topsfield  
 Grp= Classic Hits Radio adds W221EF-92.1 Sutton & W223DF-92.5 Richwood  
 Grp= NewsRadio 680 drops W224DK-92.1 Durham and adds W253CY-98.5 Cary  
 Grp= Panhandle News Network adds W228DU-93.5 Berkeley Springs  
 Grp= Star 92.9 drops W253CY-98.5 Cary

### Deleted Groups

Grp= Shining The Light  
 Grp= WCSR Group

### From Radio Insight

**Talk 770 WABC Sold.** Red Apple Media has announced it has closed on its \$12.5 million purchase of Conservative Talk 770 WABC New York from Cumulus Media. In an on-air interview with midday hosts Curtis Sliwa and Juliet Huddy, Catsimatidis stated that there would be no imminent programming changes. Chad Lopez, who had served as Market Manager for Cumulus New York and WABC Program Director David Labrozzi will also join Red Apple Media in their existing roles.



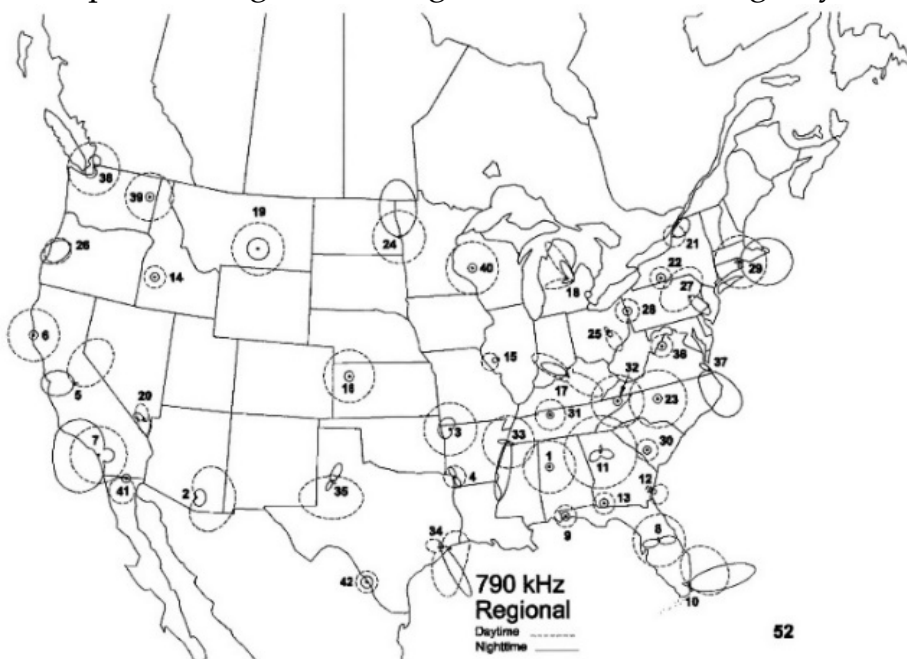
Thanks to Shawn Axelrod, Bill Hale, FCC Database (FCC), John J Rieger (JJR), and Glenn Hauser (GH).

## NRC Antenna Pattern Book 8th Edition

The 8th Edition of the NRC *AM Station Antenna Pattern Book* is now available. This all-new edition was prepared by Bill Hale and accompanies the 2018 (39th Edition) of the National Radio Club's *AM Radio Log*. The book comes shrink wrapped in 8½ by 11 three hole punch format for placement in your own three ring binder. The book has maps covering 530 through 1700 kHz showing day and night patterns for U.S., Canadian, and selected Mexican and Caribbean stations.

The book is available from the National Radio Club at PO Box 473251, Aurora CO 80047-3251 and Priority Mail to addresses in the United States for \$28.95 for members and \$35.95 for nonmembers. Canadian orders are US\$42.20 and all other countries are US\$54.15, both shipped Global Priority Mail.

The Pattern book may also be ordered using pay pal from our website <http://www.nrcdxas.org> at slightly higher prices.



# Domestic DX Digest – West

Bill Hale, 6124 Roaring Springs Drive, North Richland Hills TX 76180-5552

w\_r\_hale@sbcglobal.net

Loggings of U.S. and Canadian stations by DXers in the Central, Mountain, Pacific, Alaska, and Hawaii-Aleutian time zones – All times are Eastern Local Time (ELT)

Please submit all reports in the format seen below. Send either within an email, or as an attachment in plain text or RTF. No Excel, Word or PDF documents, please. All times are Eastern Local Time (ELT)!! In some instances, minor editing may occur. Remember, this column reports DX Achievements and is not a platform for political or social commentary/remarks. Your cooperation is much appreciated. Reports older than 30 days will be excluded at the editor's discretion.

Upcoming deadlines for DDXD-West: **Issue 14** April 3; **Issue 15** April 24, 2020.

PLEASE READ: I think I have included everyone's DX Reports submitted through March 13. If not, please submit again. "My fault!"

## --- REPORTERS ---

- SA-MB** Shawn Axelrod Winnipeg, Manitoba Receivers: ICOM IC-R70 / Drake R8 / SDRPlay RSPduo Antennae: 3 Foot un-amplified box loop / Quantum QX LOOP v2.0 / 155 Foot U-shaped outdoor wire / 100 Foot indoor wire run around the basement walls
- SB-CA** Stephanie Battaglino Palm Desert, California RX: Winradio Excalibur w/ANC-4 Noise Canceler ANT: Wellbrook ALA 1530 LNP
- SB-UT** Sean Breazeal Stansbury Park, Utah Afedri SDR-Net with Wellbrook ALA 1530 LNP active loop on 15' pole [audio at: medievalcoinage.com/dx]
- WH-CO** Wayne Heinen Aurora, Colorado SDRPlay RSP2Pro, E/W Flag, N/S Flag TG-1 Termination Gizmo and Mini DXP5
- CK-CO** Chris Knight Pueblo West, Colorado ELAD FDM-S2, WSW Beverage Antenna 1000' unterminated
- TK-FL** Terry Krueger Niceville, Florida IC-R75, NRD-535, ICF-7600GR, active loop, random wire
- JEL-MO** J.E. Lewis Kansas City, Missouri Honda Odyssey car radio.
- JP-AB** Jon Pearkins Edmonton, Alberta Sangean PR-D15 & HDR-16 barefoot
- JJR-MI** John J. Rieger L'Anse, Michigan Grundig Satellit 750 -Terk AM1000 loop, Sangean ATS-909X stock (The Terk loop can/does phase the Grundig antenna)
- JJR-WI** John J. Rieger South Milwaukee, Wisconsin Icom IC-R75, MFJ-959B tuner/preamp, Kiwa loop, Sangean ATS-909X stock
- JW-CO** John Wilkins Wheat Ridge, Colorado Drake R-8, 4-foot box loop

## --- UNID ---

- 810 ?CKJS? MB Winnipeg – 2/24 2358-2359 – All alone, in KGO null for less a minute during a WHB fade. Could not make out the words of the male voice but there was no discernible accent, which matches the web site program schedule's English religious programming at that time. Very brief female English voice could be heard saying "CK" but that is all that I could be sure of. Winnipeg's Shawn Axelrod tells me that they have not yet begun testing on FM even though their move to FM was approved several years ago. (JP-AB)
- 1220 UNID - 2/27 0821 – Very poor – 'Blue Velvet' by Bobby Vinton. Jock talk (at a lower level than music), weak-lost. WHKW loud. (JJR-MI)
- 1220 UNID - 2/28 0750 & 0820 – Very poor -- 'If I Can't Have You' by Yvonne Elliman, and 'Laughing' by the Guess Who, followed by 'I Remember You' by Frank Ifield. Any talking was low, and missed. Faded at appropriate times. Second day in a row. (JJR-MI)
- 1229.89 UNID - 3/9 0815 – Someone off-frequency with a low, growling het, pointing N/S. Roughly measured. (TK-FL)

DX LOGGINGS0000-0800

- 610 KRTA OR Medford – 2/14 0304 – Long salsa song, that was strong for a bit, then faded into brief calls, heard under other stations before launching into another. (SB-UT)
- 680 CJOB MB Winnipeg – 2/21 0658 – Ads and PSA's; ID as "Winnipeg's News and Information Leader CJOB". News at ToH. Fair with local 670's IBOC partially nulled. (JW-CO)
- 700 CJLI AB Calgary – 2/21 0722 – Program note for 'Chuck Swindoll' at 11:30 AM; then lite Christian music; IDs now and then as "AM 700 The Light". Fair, mixing with a couple of others. (JW-CO)
- 800 WMGY AL Montgomery – 2/24 0656 – EZL instrumental, man: ". . . right here, WMGY, Montgomery's Gospel Station" into country-tinged gospel vocal. (TK-FL)
- 800 KDDD TX Dumas – 3/02 0700 – out of Herb Alpert bumper: "The rock is here, KDDD Dumas – Amarillo . . . KICA Clovis -Lubbock" to National News. Format change for both. (WH-CO)
- 800 CHAB SK Moose Jaw – 3/02 0002 – Out of NOS Music: "You're listening to CHAB Moose Jaw, a . . . Radio Station". A new tape for the collection. (WH-CO)
- 870 WWL LA New Orleans – 2/25 1150 – My annual logging of live Mardi Gras parade coverage late morning. About the only worthy listen from the otherwise current station format. Fair. (TK-FL)
- 870 WWL LA New Orleans – 2/27 0210-0215 – Well under dominant KRLA (with Mike Gallagher program) with fleeting call-in talk show with a male host and, at the time, a female guest caller with conversation around what sounded like personal finance. // stream. In checking website, Dave Ramsey program on at that time – he of "down-to-earth advice about your money". 1,559 miles. (SB-CA)
- 930 KCCC NM Carlsbad – 2/24 0659 – Legal ID by slow-speaking man: "You're listening to KCCC Radio 9-3-0 on your radio dial, Carlsbad, New Mexico". AP News followed. Fair, in QRM. (JW-CO)
- 930 WKY OK Oklahoma City – 3/3 0758 – Promo for local advertising; mention of "WKY The Sports Animal" as well as website 'wky930am.com'; faded just before ToH. Fair/poor in QRM. (JW-CO)
- 940 KIXZ TX Amarillo – 2/14 0300 – "Serving the Texas Panhandle for over 70 Years". Weak, but above everything else, and not a common logging here on night power. (SB-UT)
- 1000 KTOK OK Oklahoma City – 2/28 0853 – Poor, no WMVP at all. Only thing in. Rush morning minute, calls. Been a long time on this! KSOO more likely. (JJR-MI)
- 1050 KMTA MT Miles City – 3/01 0500 – "KMTA Miles City . . ." to USA Radio News. New tape for the collection. (WH-CO)
- 1140 KHFX TX Cleburne – 3/9 0750 – Screaming Spanish preacher, with WBXR nulled. (TK-FL)
- 1150 WCUE OH Cuyahoga Falls – 2/28 0845 – Poor -- "Family Radio.org". Atop most of the time. Weak, with Fox Sports in back (likely KIMM-SD). (JJR-MI)
- 1160 WPIE NY Trumansburg – 3/6 0727 – Poor, with no sign of WYLL. "ESPN Ithaca . . . Golic & Wingo:. Been a while. (JJR-MI)
- 1170 KYET AZ Golden Valley 3/5 0232-0235 – Poor, with a couple of readable peaks in the mix with KLOK and KFAQ, with country music and "KYET, AM stereo, 11-70" mentions between songs into 'Aime' by Pure Prairie League at 0235. Listed at 1 Watt nights. 162 miles. Maybe on their daytime power of 6 kW, but you'd think they'd be more readable into my QTH. Who knows?? // stream. (SB-CA)
- 1170 KLOK CA San Jose – 3/5 0231-0238 – Fair, in the mix with KYET and KFAQ, with essentially continuous Indian music. // stream. (SB-CA)
- 1190 KXKS NM Albuquerque – 3/01 0800 – ". . . am Albuquerque . . .", under KVCU. (WH-CO)
- 1200 WOAI TX San Antonio – 3/5 0322-0345 Way under, but steady, against local pest KPSF with C2C – woman guest caller discussing her near-death experience. "Ezcare.com comm" (with distinctive ringing phone sfx) noted @ 0332. // stream. 1,110 miles. (SB-CA)
- 1210 WTXK AL Pike Road – 3/9 0805 – ESPN's "Mike & Mike" spew. (TK-FL)
- 1220 WAYE AZ Birmingham – 3/9 0811 – Mexi-tunes, with "la Jefa" liners between. (TK-FL)
- 1230 KXLO MT Lewistown – 3/01 0400 – "KXLO... all your local Sports and News . . .". New and taped. (WH-CO)





- 1240 KJCR MT Billings – 3/01 0600 – Mention of “97.5”, a second translator, and “Your Local Catholic Radio”. (WH-CO)
- 1280 KBNO CO Denver – 2/14 0200 – Slow Mexican music with a brief ID, and ‘KAVA 107.5 FM’ sister station info just after top of the hour, then more music. (SB-UT)
- 1320 WILS MI Lansing – 3/02 0700 – “. . . on 25,000 Watts . . . WILS Lansing”. (WH-CO)
- 1360 KPXQ AZ Glendale – 3/2 0325-0333 – Fair, mixing quite a bit with KLSD with religious talk – Eric Mathews Show. Mention of the “Word Made Flesh” @ 0331, promo for parenting @ 0332, “Faithtalk 1360.com” mention @ 0333. // stream. 1 kW nights at 238 miles. (SB-CA)
- 1360 KNGN NE McCook – 2/29 0756 – Some sort of station promo; call 1-800-xxx or e-mail request to ‘goodnews@kngn.org’. Fair, in QRM. (JW-CO)
- 1360 KDJW TX Amarillo – 3/5 0759 – Ad for ‘Mother Angelica’ calendar; LID at 0759:50 for “KDJW Amarillo, KTNZ Amarillo, KHFN Nazareth, Catholic Radio for the High Plains”. (JW-CO)
- 1370 KWRT MO Boonville – 2/22 0800 – Poor -- LID for AM, FM translator. OLD C&W. No sign of WSPD. (JJR-WI)
- 1380 KLIZ MN Brainerd – 3/4 0659 – Fox Sports program notes; LID at 0659:55: “. . . (?) . . . radio for the Brainerd Lakes, 1380 KLIZ-AM Brainerd-Baxter”. Rough, in QRM. (JW-CO)
- 1380 WKJV NC Asheville – 2/22 0742 – Poor -- EE REL, replacing SS REL (KFXN?) and WKJG in fade up. Web match. (JJR-WI)
- 1390 KHOB NM Hobbs – 3/02 0000 – “KHOB Hobbs New Mexico” to THN. This one switched from SRN News. (WH-CO)
- 1400 WBIZ WI Eau Claire – 2/28 0741 – Poor, with “98-7 The Brew” and M-F chatter. ‘Who’s Crying Now’ by Journey killing WCCY – 28 miles away. (JJR-MI)
- 1450 KLBM OR La Grande – 2/14 0300 – Was doing well right up until ID time. Promo for Lars Larsen program, “. . . Eastern Oregon for 40 Years”, and ‘Supertalk 1450’ calls heard. (SB-UT)
- 1460 WBOG WI Tomah – 3/7 0734 -“101.3 WBOG” into C&W. Poor, no KXNO at all! (JJR-MI)
- 1490 KBUR IA Burlington – 2/22 0730 – Very poor, with many other talk stations, but “KBUR” popped out. Not heard in years. Rare. (JJR-WI)
- 1490 KRTN NM Raton – 2/14 0300 – A rarity on 1490 because local KOGN across the Great Salt Lake. “You’re in the Best Country in the World, Classic Country 1490”. ID and city, then more music. (SB-UT)
- 1500 KJIM TX Sherman – 3/1 0758 – Man chatting to ToH, when call letters were heard, probably LID; CBS News followed at 0800. Poor in KSTP null. (JW-CO)
- 1520 KKXA WA Snohomish – 3/8 0230-0235 – Decent, with good peaks against unID Mexican music (may have been KMPG) with country music. Clint Black and Phil Vasser tunes. Male ID @ 0233: “Classic Country, KXA, more in two minutes” followed by a PSA from the Washington State Director of the Board of Elections (a woman) regarding the importance of registering to vote. Their night pattern is oriented to the NW over the Puget Sound. 1,019 miles. // stream. (SB-CA)
- 1540 KXPA WA Bellevue – 3/8 0329-0333 – Briefly fair, well under dominant KMPC, with ‘Music of Your Life’ program. Classic DJ-driven radio show style with male DJ and sounder for “Double Play” featuring a song by The Dreamlovers. Other oldies noted, but for the life of me I wouldn’t know their titles. The station schedule on their website confirmed MYL airing at this time. 5kw nights at 1,002 miles. (SB-CA)
- 1660 KRZI TX Waco – 2/14 0300 – Weak, with flare-ups, over KBRE Merced normally dominating, ESPN affiliate with calls and translator “K2 . . . DC Waco” (K222DC), sports news at top of the hour. (SB-UT)
- 1670 KQMS CA Redding – 2/24 0256-0306 – Poor, well under somewhat nulled local X-bander KHPY, with C2C program. UnID music outro noted along with TOH news with a female anchor and mention of Bernie Sanders. Led Zeppelin’s “Whole Lotta Love” intro and “Coast to Coast” mention at 0306. // stream. 1 kW at 573 miles. (SB-CA)

#### 0800-1600

- 620 KPOJ OR Portland – 2/14 0800 – “Rip City Radio” Fox sports affiliate with promo for website and calls. Unusually strong, above others. (SB-UT)
- 690 WNZK MI Dearborn Heights – 2/28 0800 – Poor -- “WNZK has available air time . . . “ -- “The Ethnic Super Station”. Alone! (JJR-MI)
- 710 KBMB AZ Black Canyon City – 2/14 1000 – José Radio affiliate with old Mexican songs and “Toca Las De Tu Rancho” slogan given after call letters and city much stronger than usual over KIRO. (SB-UT)

- 770 KATL MT Miles City – 3/8 0921- Very poor, with calls, ‘Girls Like You’y Maroon 5. Cutting thru KUOM’s Open Carrier! (JJR-MI)
- 800 KPDQ OR Portland – 2/14 0800 – Religious content, with a spiel about how to teach Amazon’s Alexa device to tune in KPDQ, some “Truth Talk 800” calls and a sung version of full ID and call letters. (SB-UT)
- 860 KKOW KS Pittsburg – 2/27 0829 – Poor, with “860 KKOW & 97.5 FM Joplin” after two breaks. CJBC weak. Been a while. (JJR-MI)
- 900 KTIS MN Minneapolis -3/10 0835 – Faith Radio mentions. Alone. This rarely makes it down here! Poor. (JJR-MI)
- 900 KJSK NE Columbus – 3/5 0900 – Poor, basically alone! LID, CBS News with Debra Rodriguez! CHML, CKBI gone. (JJR-MI)
- 910 KJJQ SD Volga – 3/5 0805 – Poor -- “John Anderson, Thursday morning on the Ranch”! Alone, no WFDF! (JJR-MI)
- 960 KLTF MN Little Falls – 2/26 0844 – Poor, with birthdays and other local mentions. Not great, but no WSBT all morning. (JJR-WI)
- 980 WFPF WI Park Falls – 3/9 0906 – ‘Life in the Fast Lane’; Eagles. “Jack FM”. Alone this morning. Poor. (JJR-MI)
- 980 WFPF WI Park Falls – 3/11 0814 – With ‘Black Dog’ by Led Zeppelin (kinda stood out, hi) ‘Jack FM’ into stop set. Have heard this less than 10 times in South Milwaukee. Rare! Very poor. (JJR-MI)
- 980 WPRE WI Prairie du Chien – 3/11 0800 – Poor-- like listening to mush. Then “on WPRE” and LID! Maybe I’ve heard this three times in my 53 years of this hobby, due to WONE/WCUB/WITY. Rare! (JJR-WI)
- 990 KTKT AZ Tucson – 2/14 1000 – Clear after powering up, with unID Mexican song ending with station going into top of the hour calls: “KTKT Tucson, 94.3 FM, 990 AM, La Buena!” in Spanish. (SB-UT)
- 1000 KSOO SD Sioux Falls – 3/9 0957 – Poor-- “. . . coming next, Brian Kilmeade on KSOO”. WMVP not in at all. (JJR-MI)
- 1050 KORE OR Springfield-Eugene – 2/14 1000 – Heard under KJPG, but two distinct calls, “K-O-R-E”, some indistinct station promos, and then “KORE 1050, Springfield- Eugene” and frequencies. (SB-UT)
- 1060 CKMX AB Calgary – 3/9 0837 – ‘Wood Automotive Group’, ‘Cavalcade Auto’, . . .”for Calgarians . . .”. Fair and Loud! (JJR-MI)
- 1080 KNDK ND Langdon – 3/5 0855 – Poor-- ‘North Dakota’, ‘Red River Valley’ references, farm news. No KYMN! Big 1080. Poor. (JJR-MI)
- 1130 KBMR ND Bismarck – 3/4 0847 – Very poor, though C&W twang cut thru multi-talker chatter. Calls at :49. (JJR-MI)
- 1140 KCXL MO Liberty – 3/9 0900 – Poor, but alone, with LID, ownership data, “Fault Line” Radio Show. Unneeded. (JJR-MI)
- 1140 KCXL MO Liberty – 3/9 0900 – Poor, but alone. LID, ownership data, Fault Line radio show. Unneeded. (JJR-MI)
- 1150 KWKY IA Des Moines – 3/10 0900 – LID, Iowa Catholic Radio. Very poor with others. WHBY not in. (JJR-MI)
- 1150 KASM MN Albany – 2/26 0859 – Poor -- Livestock reports by two hosts, ad with phone number: ‘320-237-XXXX’. With others. (JJR-WI)
- 1150 WEAQ WI Chippewa Falls – 3/10 0928 – “95-9 Jamz” after “Oh My My” bu Camilla Cabello. Sadly, I was listening to ‘I Walk the Line’ by Johnny Cash, when the DX gave a time check and faded out, naturally, hi! Poor! (JJR-MI)
- 1170 KJJD CO Windsor – 3/5 0846 – Poor -- SS: “La Ley...en Colorado . . .” over weak KFAQ. Tune-In match. 1st new one since December! NEW! (JJR-MI)
- 1190 CFSL SK Weyburn – 3/9 0941 – Birthdays,Anniversaries-local ments. “AM 1190”. Poor, no WOWO. (JJR-MI)
- 1210 KOKK SD Huron 3/10 0850 – Poor -- ad for ‘Raymond Oil Company’ at, 352-XXXX, in Huron. Alone, but steady. (JJR-MI)
- 1220 KDDR ND Oakes – 3/9 0947 – “. . . when you need to know, KDDR & NewsDakota.com.” Poor, but alone. (JJR-MI)
- 1230 WFER MI Iron River – 2/22 0802 – Poor, with “Iron County’s home for Classic Country, 97-9 WFER” into ABC News. This station has never done a proper LID (“WFER Iron River”) since the format flip in December. Hello! (JJR-WI) [Their web site doesn’t even have a decent logo. I had to ‘photo shop’ this one – Ed.]
- 1230 KGHS MN International Falls – 3/6 0839 -Poor – “Hardee’s on Highways 11 & 71 in International Falls.” Alone. (JJR-MI)

- 1250 WJMK MI Bridgeport – 3/8 1001 – LID for AM-FM translator. ‘If I Had a Hammer’ by Trini Lopez. Poor. (JJR-MI)
- 1270 KTFI ID Twin Falls – 2/27 0858 – Mother Angelica quote; 0859:48: multi-station legal ID for KGEM-1140, K272FS 102.3, KTFI-1270, and K269HA 101.7 (the Salt and Light Radio group). Fair and alone. (JW-CO)
- 1270 WCMR IN Elkhart – 3/10 0808 – Solid Gospel slogan. No others. Despite closeness, not common. Poor. (JJR-MI)
- 1270 WWCA IN Gary – 3/10 0830 – Relevant Radio noted. Just 70 miles from WCMR Elkhart! Only affiliate on frequency. (JJR-WI)
- 1270 KRXO OK Claremore – 3/12 0914 – Poor, in fade up, with “1270 AM & 107.7 FM the Franchise” into newscast. Logged in '06 as KRVF ‘The River’. Only third time heard. Rare! (JJR-WI)
- 1300 KPMI MN Bemidji – 3/6 0737 – Poor, with “. . . the Legends” between songs. Would be in SOLID later! (JJR-MI)
- 1300 WQPM MN Princeton – 3/6 0931 – Poor, no WOOD/others. Jan & Dean tune, “The Big Q” jingle into Elvis. JJR-MI
- 1300 KOLY SD Mobridge – 3/4 0837 – Very poor -- “. . . on 1300 KOLY” while chasing others. No sign of WOOD at all. (JJR-WI)
- 1310 KGLB MN Glencoe – 3/4 0916 – Poor, with satellite C&W, National ads and calls (finally) into weather. Alone! (JJR-WI)
- 1310 KNOX ND Grand Forks – 2/24 0817 – Poor, with “. . . in Thief River Falls” and mention of ‘107.9 FM’. Thru WIBA. Rare. (JJR-WI)
- 1310 CIWW ON Ottawa – 3/8 0901 – “1310 News Ottawa”. No WIBA or WCCW. Poor. (JJR-MI)
- 1320 KNIT UT Salt Lake City – 3/4 0800 – Program note for ‘Turning Point with David Jeremiah’; 0801:40 legal ID for many stations, beginning with KNIT; I heard 19 other stations mentioned before the signal faded so I don't know many were actually named; the website lists 52 stations in the Your Network of Praise group. If all 52 are mentioned every ToH, that would be 1248 in a 24-hour period. This could well be a Guinness world record. (JW-CO)
- 1350 KDIO MN Ortonville – 3/4 0833 – Poor -- “Ortonville” heard. Very detailed weather, etc. Alone, and in all morning! (JJR-MI)
- 1360 WKMI MI Kalamazoo – 2/27 0856 – With “. . . on Talk Radio 1360 WKMI”. The surprise of the day. Poor . . . no WTAQ. (JJR-MI)
- 1370 WLTH IN Gary – 2/26 0911 – Poor, with very local talk on crime, schools and other local tele-chatter. Lost to KWTL. (JJR-WI)1370
- 1370 KWTL ND Grand Forks – 3/10 0918 – Poor, with EWTN fare. AMazed at this showing up after years of not being noted! Alone. (JJR-WI)
- 1390 KRRZ ND Minot – 2/28 0905 – Poor, with “MinotDeals.com”, ad with “. . . on South Broadway in Minot”. Only thing. No WGRB. (JJR-MI)
- 1410 KRWB MN Roseau – 3/7 0826 – Poor -- “Classic Rock KRWB”; Steve Miller's ‘Swingtown’. No WIZM. (JJR-MI)
- 1410 KOOQ NE North Platte – 3/9 0941 – “70s, 80s, 90s. 98-1 & 1410”. ‘Owner of a Lonely Heart’ by Yes. No WIZM. Poor. (JJR-MI)
- 1420 KGIM SD Aberdeen – 3/8 0853 – Poor, with “Fox Sports Aberdeen”. KTOE running open carrier! Nice! (JJR-MI)
- 1450 WDLB WI Marshfield – 3/12 0819 – Poor -- “WDLB Newstime is 17 after 7. . .”. In/Out as quickly in mess. (JJR-WI)
- 1460 WKAM IN Kokomo – 3/9 0937 – Phone #s, SS:LaRaza caught my attention. No sign of KXNO. Poor. (JJR-MI)
- 1460 KLTC ND Dickinson – 3/7 0910 – Poor, with talk of Western North Dakota, giving 701 area code. No KXNO. (JJR-MI)
- 1480 KQAM KS Wichita – 2/14 0800 – Local commercials followed by corporate info and “FM 102.5 and 1480 KQAM, Wichita Proud”, “The Big Talker 1480 on your radio dial”, local news. (SB-UT)
- 1480 KKCQ MN Fosston – 3/12 0844 – Poor, with “. . . right here on KKCQ . . . “. No sign of usual WGVU, which was in earlier. JJR-WI
- 1490 WPNA IL Oak Park – 3/10 0910 -Very poor, but the few seconds of Polish stood out/popped through. Not common. (JJR-MI)
- 1490 KOVC ND Valley City – 3/8 0849 – Poor, with “. . . when you need to know: KOVC or NewsDakota.com”. Poor, but atop. (JJR-MI)

- 1490 KZEZ UT Santa Clara – 2/14 0900 – End of weakly heard, unID'ed song, then clear voice reading “102.7 FM and 1490 AM, KZEZ” and more music. Only 220 miles but still a very tough catch from here. (SB-UT)
- 1490 WGEZ WI Beloit – 2/23 0857 – Very poor -- “Iron Country 101.9” with OLD C&W. Despite closeness, not common. WTIQ & KRIB way more common here. (JJR-WI)
- 1520 WHOW IL Clinton – 2/26 0813 – Very poor, with mention of “106.5 FM”. Sounded like a sports report. (JJR-WI)
- 1520 WHOW IL Clinton – 3/9 0911 Poor -- “Taylorville Daily News”, “Miller Broadcasting time check”, calls. Alone. (JJR-MI)
- 1520 WMLM MI Saint Louis – 2/26 0813 – Very poor -- “105.9 – 1520 WMLM”, then Michigan references in ad: ‘ADT’, ‘Granger’, others. (JJR-WI)
- 1520 WPAY OH Rossford – 3/8 0932 – Bits of songs . . . “Positive, Encouraging K-Love”. Poor, but alone!!!! (JJR-MI)
- 1520 KZOY SD Sioux Falls – 3/8 0928 – Poor-- Free Falling, Tom Petty, “SunnyRadio.com”. Alone. KOLM not in. (JJR-MI)
- 1520 KKXA WA Snohomish – 2/23 0815 – C&W music; ID as “Classic Country K-X-A 1520 and FM 101”, then more older C&W songs, with an occasional ad; also mentioned website ‘classiccountryskxa.com’; Fair and pretty much alone with usual pest KOKC apparently off. (JW-CO)
- 1570 WLKD WI Minocqua -3/10 0821 – “Songs you never thought you'd hear again . . . The Lake AM 1570” . Poor, with others. (JJR-WI)
- 1590 WPVL WI Platteville – 3/12 0836 – Poor -- ESPN fare, replacing others who were in earlier. Assumed. (JJR-WI)
- 1600 WAAM MI Ann Arbor – 2/26 0832 – Poor, with traffic report, Ann Arbor mentions and “Wam Radio Weather”. No KGYM. (JJR-WI)
- 1600 KDAK ND Carrington – 3/6 0858 – Poor--- ND temps, “..the Cardinal, a locally owned 1G3 radio station.” Alone, but Poor! (JJR-MI)



### 1600-2400

- 530 CHLO ON Brampton – 2/27 2058-2102 – Good. Italian-type music, full ID by man (in part): “This is AM 5-30 CHLO AM serving Brampton, Mississauga, Toronto, . . . and the world at am530.ca.”. (CK-CO)
- 560 KSFO CA San Francisco – 2/27 2058-2102 – Poor-to-fair. Under KLZ with program promo “. . . 9 to midnight on Talkradio 5-60 KSFO”, legal ID by man and into regional news beginning with news about Coronavirus . (CK-CO)
- 570 KNRS UT Salt Lake City – 2/27 2058-2102 – Good. ‘iHeart Radio’ promo and jingle, legal ID by man: “Talkradio 105-9 KNRS-FM Setter Hill, 5-70 AM KNRS Salt Lake. Your home for Gun Radio Utah Saturday at three”, into NBC News. (CK-CO)
- 580 KSAZ AZ Marana – 2/27 2058-2102 – Good. Over WIBW with Christian praise vocal, legal ID list by man: “La Nueva Radio Casa network KPHX 14-80 AM Phoenix, Arizona, KSAZ 5-80 AM Marana, Arizona, KCKY 11-50 AM Coolidge, Arizona, K225CT 92.9 FM Paradise Valley, Arizona . . .”, network promo, back to music . (CK-CO)
- 670 KMZQ NV Las Vegas – 2/27 2058-2102 – Poor-fair. Under WSCR with legal ID by man: “. . . the answer to all your problems, KMZQ Las Vegas locally owned and operated by Kemp Broadcasting and Digital Outdoors.”, into Townhall.com News . (CK-CO)
- 710 KEEL LA Shreveport – 2/21 1840 – Poor, with “Keel 101.7 FM and 710 AM” with mention of Louisiana’s northern Parishes, traffic, weather and sports. Alone. Been a while. (JJR-WI)
- 730 KDAZ NM Albuquerque – 2/27 2058-2102 – Good. Promo for “Family Comedy Radio dot com”, legal ID: “Still going strong AM 7-30 KDAZ and K245CD Albuquerque”, into Townhall dot com News . (CK-CO)
- 739.84 KIDR AZ Phoenix – 2/27 2058-2102 – Poor-fair. Under KVOR with ID by woman: “7-40 AM . . . En Familia Radio, la \_\_\_ de la ciudad”, into lite music. Off frequency causing HET in LSB mode . (CK-CO)
- 790 KNST AZ Tucson – 2/27 2058-2102 – Poor. Legal ID by man and mentioned “an iHeart Radio station”, into Fox News. HET from a station off-frequency (789.95 kHz). (CK-CO)
- 810 WHB MO Kansas City – 2/24 2358-0014 – Sports Talk, as KGO faded in and out, with antenna just south of Due East. All alone, with “WHB” ID at 00:12:27. (JP-AB)

- 840 KJFA NM Belen – 2/27 2058-2102 – Good peak. Mexican pop music, legal ID by man: “. . . KJFA 8-40 AM Belen, K275AO 102.9 Albuquerque. KJFA 102.9 FM . . . you're on the new Fuego, mas musica, more hits.”, back to music. (CK-CO)
- 860 KNAI AZ Phoenix – 2/27 2058-2102 – Good. Mexican vocal, legal ID by man: “KNAI 8-60 AM and K270BZ 101.9 FM . . . La Campesina. . .”, back to music. (CK-CO)
- 860 KTRB CA San Francisco – 2/27 2058-2102 – Poor. Under KNAI with “The Answer” slogan, legal ID by man, into “Jay Sekulow” talk program. (CK-CO)
- 880 KLRG AR Sheridan – 3/13 2110-2116 – Poor-to-fair, with deep fade. Program announced as a one-hour Beatles show. Host did an explanation of who “Mother Mary” is in song ‘Let It Be, then played it. Just previous mentioned Arkansas. After ‘Let It Be’ resumed, other productions of the group. Station runs 220 Watts at night but their night pattern has a major lobe right in our direction. First-time heard on this format and at night! (JEL-MO) See AM Switch – this is on a daytime-only STA, it has a separate night transmitter location but it is not operational. – DY
- 890 KDXU UT St. George – 2/27 2058-2102 – Poor. Way under WLS with legal ID by man, into Fox News. Trans-Atlantic HET on 891 kHz didn't help. (CK-CO)
- 910 KGME AZ Phoenix – 2/27 2058-2102 – Poor. Under XEAO with legal ID by man: “Broadcasting from the \_\_\_ studios, this is Fox Sports 9-10 KGME Phoenix . . .”. (CK-CO)
- 940 KGMS AZ Tucson – 2/27 2058-2102 – Fair-good. “Wilkins Radio” mentions (Wilkins = last name of owners) in station promo, legal ID by man: “KGMS Tucson, the good message station”, ad, into Christian programming. (CK-CO)
- 960 KKNT AZ Phoenix – 2/27 2058-2102 – Fair-good. Over and under KNDN with promo for “Larry Elder”, ads, legal ID by man: “9-60 The Patriot KKNT Phoenix, a division of Salem Media group . . .”, into Townhall dot com News. (CK-CO)
- 960.05 KNDN NM Farmington – 2/27 2058-2102 – Fair-good. Over and under KKNT with country-western music, legal ID by man: “. . . KNDN Farmington, New Mexico 9-60 AM”, into woman talking in Navajo language (occasional English words). Slightly high on frequency (960.05 kHz) causing growl on 960 kHz. (CK-CO)
- 1010 KXXT AZ Tolleson – 2/27 2058-2102 – Fair peak. Above mess with call ID by man: “10-10 AM KXXT”, promo for ‘Family Values Mobile App’. (CK-CO)
- 1010 KCHJ CA Delano – 2/27 2058-2102 – Poor. “Radio Gallito” slogan followed by a rooster crowing, ranchera music. (CK-CO)
- 1020 KCKN NM Roswell – 2/13 2301 – As others have noted, (station is) back with much stronger signal, here now over KTNQ in most antenna directions. Muddy audio giving a list of affiliate stations for Radio Cristiana Internacional. (SB-UT)
- 1130 KSDO CA San Diego – 2/27 2058-2102 – Poor. In mess, with legal ID by man: “KSDO once trienta San Diego.” (CK-CO)
- 1140 WRVA VA Richmond – 2/27 2058-2102 – Poor-fair. Station promo, call ID by man: “Whoever you are and for whatever reason, we're bringing you information you need throughout the day, Newsradio WRVA”, also heard “Newsradio 11-40 WRVA” jingle near TOH, under presumed KHTK. (CK-CO)
- 1180 WHAM NY Rochester – 2/27 2058-2102 – Poor. Contending with KFAQ IBOC with ad, “Rochester's news, weather and traffic station”, call letter ID barely discernable. (CK-CO)
- 1190 KNUV AZ Tolleson – 2/27 2058-2102 – Poor-fair. Mixing with another station in Spanish. Call letter ID in Spanish by man, then legal ID by woman: “KNUV 11-90 AM Tolleson.”. (CK-CO)
- 1200 KPSF CA Cathedral City – 2/27 2058-2102 – Poor, mostly under WOAI, with end of “Turning Point” program, station promo: “Tell your church, friends, co-workers and \_\_\_ about the all new “Pure Radio at AM 12 hundred and FM 100.9 . . .”. (CK-CO)
- 1210 KHKR UT Washington – 2/27 2058-2102 – Good. ESPN Radio program promo, legal ID by man: “. . . KHKR Washington-St. George, K249EQ St. George”, into “ESPN Radio Sports Center” sports news. (CK-CO)
- 1220 WLPO IL La Salle – 02/27 2055 – Fair signals, fading in and out, with oldies/classic rock music. Then into full AM and FM ID on the top of the hour. I was looking for CFAJ which is testing with oldies but got this instead. Have logged this one before. (SMA-MB)
- 1230 KOY AZ Phoenix – 2/27 2058-2102 – Poor, under local KKPC, with Mexican vocal, legal ID by man: “KOY Phoenix, K229DB Phoenix 93.7 y 12-30 AM El Patron”, back to Mexican music. (CK-CO)



- 1230 KINO AZ Winslow – 2/27 2058-2102 – Poor-fair. Under local KKPC with country-western music, almost faded out at ToH with legal ID by man: “You're listening to \_\_\_ KINO Winslow, Arizona”, possibly the one with “CBS News-on-the-Hour”. (CK-CO)
- 1240 KJAA AZ Globe – 2/27 2058-2102 – Poor. Slow oldies song called “Down Home”, “Jukebox 12-40” by man thru KDGO. (CK-CO)
- 1240 KDGO CO Durango – 2/27 2058-2102 – Poor-fair. Ad for a bar and grill in Durango, legal ID by man: “You're listening to Newstalk 12-40 KDGO Durango and 98.3 FM K249DE Durango.”, into Fox News. (CK-CO)
- 1240 KBGV CO Monte Vista – 02/29 2100 – “. . . in Stereo at 101.3 FM and 1240 AM KBGV Monte Vista”. Needed call change taped. (WH-CO)
- 1240 KFBC WY Cheyenne – 2/29 2200 – “KFBC Cheyenne, CBS Sports Radio”. (WH-CO)
- 1240 KASL WY Newcastle – 3/01 2100 – Out of C&W : “Newcastle’s Real Country KASL . . . (WH-CO)
- 1250 KHIL AZ Willcox – 2/27 2058-2102 – Good. Older country-western songs, legal ID by man: “Howdy partner you're listening to KHIL radio 12-50 AM and 98.1 FM out of Willcox, Arizona”, back to music. (CK-CO)
- 1260 KTRC NM Santa Fe – 2/27 2058-2102 – Poor-fair. Ad, faded around ToH but was able to catch part of legal ID by man: “You're listening to \_\_ AM and 103.7 K279CX FM Santa Fe and streaming live at SanteFe.com”, into news. A station playing “Call Me” by Blondie underneath (could be KBSZ which is one of the two stations I still need in the Phoenix metro area). (CK-CO)
- 1270 KVMI CA Tulare – 2/27 2058-2102 – Poor, with 80s pop song “Time After Time” by Cyndi Lauper, part of legal ID by man: “KVMI Tulare and K. . . the New My 97.5 (by woman), the New My 97.5 (by man), then into another song. (CK-CO) [“97.5” = K248BX Visalia – Ed.]
- 1270 KRXO OK Claremore – 2/27 2058-2102 – Poor. Legal ID by man: “This is Paul Knolls(?) thank you for listening to OU basketball on KRXO Claremore, The Franchise”. About even with KVMI. (CK-CO)
- 1280 KQLL NV Henderson – 2/27 2058-2102 – Good. Oldies music, legal ID by man: “The news (?) and we have the hits, Cool 102, 102.3 FM and 12-80 AM KQLL Henderson-Las Vegas”, into Fox News. (CK-CO)
- 1290 KCUB AZ Tucson – 2/27 2058-2102 – Fair-good. Legal ID by man: “The home of the Wildcats is Wildcats Radio 12-90, KCUB Tucson, Arizona, a Cumulus station”. Then CBS Sportsradio jingle. A Vietnamese language station underneath (likely KAZA in Gilroy, CA). (CK-CO)
- 1300 KROP CA Brawley – 2/27 2058-2102 – Good. Christian praise song, legal ID by man: “Hi, this is Joe from Christ Community Church Calexico campus. You're listening to KGBA 100.1 FM Holtville and KROP 13 hundred AM Brawley. We're media missionaries in El Centro keeping God above all”, into program called “Summit Life”. (CK-CO)
- 1310 KIHP AZ Mesa – 2/27 2058-2102 – Excellent. Ad for “Serrano's Mexican Restaurant”, ad for “St. Vincent de Paul in Phoenix”, legal ID by man: “Talk Radio Catholic Life, KIHP Mesa-Phoenix, K275CP Phoenix, listener-supported, Relevent Radio 13-10 AM and 102.9 FM”, into Relevent Radio News. (CK-CO)
- 1320 WKAN IL Kankakee – 2/27 2058-2102 – Poor. Through adjacent channel splatter, with legal ID by woman: “This is AM 13-20, FM 101-3 WKAN Kankakee”. Possibly the one with Fox Sports. (CK-CO)
- 1320 KLWN KS Lawrence – 2/27 2058-2102 – Poor. Legal ID by man mixed in with WKAN's legal ID: “. . . 13-20 KLWN Lawrence and FM 101.7 K269GP Lawrence. Depend on us.”, into Fox News. (CK-CO)
- 1350 KPWK CA San Bernardino – 3/01 2300 – Out of SPT: “. . . KPWK Riverside – San Bernardino. Fox Sports Radio”. New for me and Taped. (WH-CO)
- 1360 KPXQ AZ Glendale – 2/27 2058-2102 – Good. Ad for “All Valley Home and Health Care”, legal ID by man: “. . . Faith Talk 13-60 KPXQ Glendale-Phoenix”, into “Focus On The Family” program. (CK-CO)
- 1370 KGEN CA Tulare – 2/27 2058-2102 – Good peak. Peaked over a station in Chinese with Mexican music, call letter ID by man: “This is KGEN 13-70 AM . . . La Ley (repeated)...” (Cut off due to the end of the recording). (CK-CO)
- 1380 KLPZ AZ Parker – 2/27 2058-2102 – Excellent. Christian country song, legal ID by man: “The home of totally unscripted radio, live on the Colorado River, KLPZ Parker-Lake Havasu-Blythe-Quartzsite-Bouse-Salome and California”, into news by Westwood One reporter Barbara Kusak. (CK-CO)

- 1390 KENN NM Farmington – 2/27 2058-2102 – Good peaks. PSA from the “American Diabetes Association”, legal ID by man: “13-90 AM 92.1 FM, this is northwest New Mexico's Newstalk leader, KENN Farmington”, into Fox News.. (CK-CO)
- 1400 KSUN AZ Phoenix – 2/27 2058-2102 – Good peak. Mexican music, call ID by man: “. . . 106.5 y 1400 del aire. . . KSUN, mil watts de potencia. . . aqui nomas..”, back to music. (CK-CO)
- 1420 KMOG AZ Payson – 2/27 2058-2102 – Fair, in jumbled mess of stations with country-western music, legal ID by man and weather forecast. (CK-CO)
- 1440 KUHL CA Santa Maria – 2/27 2058-2102 – Poor. Legal ID by man: “This is the information station AM 14-40 and FM 106-3 KUHL Santa Maria”, into ABC(?) News. (CK-CO)
- 1460 KENO NV Las Vegas – 2/27 2058-2102 – Fair. Ad for a restaurant, legal ID by man: “KENO Las Vegas 14-60 AM Deportes Vegas, 24 horas de deportes”, into another ad. (CK-CO)
- 1470 KUTY CA Palmdale – 2/27 2058-2102 – Poor-fair. Smooth Mexican music, legal ID by woman: “KUTY Palmdale, K245CL Lancaster” followed by another woman mentioning “FM 96.9” (I think), back to music. (CK-CO)
- 1480 KVNR CA Santa Ana – 2/27 2058-2102 – Poor-fair. Mixing at times with KQAM: station promo by man including call sign ID and website given as “littlesaigonradio.com”, into music later. (CK-CO)
- 1510 KFNN AZ Mesa – 2/27 2058-2102 – Excellent. Ad, legal ID by man: “The station that talks about your money, Money Radio 15-10 and 105.3 FM is KFNN Mesa-Phoenix”, into Westwood One affiliate news with Barbara Kusak reporting.. (CK-CO)
- 1520 KKZZ CA Port Hueneme – 2/27 2058-2102 – Fair-good. Ad, legal ID by woman: “KKZZ 15-20 AM Port Hueneme, K242CW 96.3 FM Oxnard” followed by another woman in Spanish “me corrando la comunicacion La Voz 15-20 AM 96.3 FM”, into ad. (CK-CO)
- 1540 KMPC CA Los Angeles – 2/27 2058-2102 – Good peak. Under KXEL with three time pips (first two short, last one higher pitched and long), legal ID by man: “50,000 watts of maximum power, Radio Korea, AM 15-40 KMPC Los Angeles”, into Korean talk. (CK-CO)
- 1550 KWRN CA Apple Valley – 2/13 2301 – Classical Mexican Ranchera music then a quick listing of FM translators, AM freq, and sketchy call letters, but Apple Valley call clearly heard. (SB-UT)
- 1550 KXEX CA Fresno – 2/27 2058-2102 – Poor. Lite music, “legal” ID by woman in Spanish: “. . . 15-50 AM Kah-Equis-Ay-Equis Fresno, California”. (CK-CO)
- 1570 KBCV MO Hollister – 2/27 2058-2102 – Poor-fair. End of talk program, thanked sponsors and listener-contributors, legal ID by man: “Serving Branson and the entire(?) area 24 hours a day, KBCV Hollister, Branson and \_\_\_\_\_”, into program promo, mentioned “Bott Radio Network” twice. Into ‘Townhall dot com’ News. (CK-CO)
- 1580 KQFN AZ Tempe – 2/27 2058-2102 – Good. Legal ID by man: “Your home for GCU hoops is KQFN Tempe, K257CD Phoenix and K240EU Fountain Hills, The Fanatic”, into GCU Lopes vs. New Mexico Aggies basketball. (CK-CO)
- 1580 KAMI NE Cozad – 2/27 2058-2102 – Poor-fair. Country-western music, legal ID by man: “KAMI Cozad-Elwood and \_\_\_\_\_”, right back to music. (CK-CO)
- 1590 WCGO IL Evanston – 2/27 2058-2102 – Poor. Under KVGB's legal ID, man with “. . . on WCGO 95.5 FM”, into SRN (?) News. A couple of stations in the mix . . . one with a very unique woman jingle which may be ID-able. (CK-CO)
- 1610 CHHA ON Toronto – 2/27 2058-2102 – Poor. In the clear with Native American-type language, call letter ID by woman in English: “. . . and you are listening to \_\_\_\_\_ Thursday edition of originating program. This is CHHA 16-10 AM, The Voice of The Community”, then program schedule. (CK-CO)



## Unreported Domestic Stations

One station (WMGY-800) was reported to DDXD this issue for the first time since at least Volume 67 (1999-2000). So we are down to 311 full-service (100 watts and up) AM stations in the United States and Canada that have not been reported to DDXD during this time. The last full list was printed in Volume 86 Issue 19. Can you report one next time?

# Domestic DX Digest – East

Mike Brooker, 99 Wychrest Avenue, Toronto ON M6G 3X8 (Canada)

[patria1818@yahoo.com](mailto:patria1818@yahoo.com)

Loggings of U.S. and Canadian stations by DXers in the Eastern & Atlantic time zones

All times are Eastern Local Time (ELT)

## REPORTERS

- SC-IN Steve Chappell, McCordsville - Home built receiver, K9AY loop antenna  
 TF-NH Tony Fitzherbert, Campton - C. Crane Radio 2 E, Terk Loop antenna  
 KK-VA Kraig Krist, Manassas - Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop  
 GL-NH Ginnie Lupi, Concord - CCRadio 2E, Select-A-Tenna  
 HPR-NY Harrison Pierce Reed III, Gloversville – RCA Victor 8B41 4-tube superheterodyne  
 PS-ON Paul Snider, London - Elad FDM-S2, Pixel Pro 1B loop, MFJ-1020C tuner  
 JW-PA Jim Weber, Oyster Point – Grundig S350  
 NjW-ON Niel Wolfish, Toronto - WinRadio Excalibur G31DDC + Wellbrook loop.  
 MKB-ON Mike Brooker, Toronto – Grundig YB-400PE, XHDATA D-808, Sony SRF-39FP, C Crane Skywave, Panasonic RF-2200

Follow me on Twitter! @patria1818 DX-related tweets will be hash-tagged #MWDX.

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## UNID

- 940 UnID -- - 3/14 0648 – Southern gospel music on “Joy FM”. Local ad for Buffalo Shoals Hardware and Supermarket in Fenton. Also noted 3/15 0700 – ToH ID that mentions a bunch of stations, but none on 940. (NjW-ON)

## LOGGINGS

- 540 WGGP MD Pocomoke City – 3/9 2043 – Clusters of oldies atop frequency, before an ID for "540 WGGP" and more oldies. Their 243 watt signal made it from the southern Maryland shore to the mountains of NH; this station has been heard frequently at night up here. (TF-NH)
- 600 WFST ME Caribou – 3/4 1635 – "Praise the Lord" rock music, way over usual WICC, and a promotion for the weekly Bible verse sponsored by the Bible Society of Maine, and more praise music. (TF-NH)
- 610 WSNG CT Torrington – 2/15 1530 – Infomercial for Dr. Pinkus’s vitamin D3 formula, local ads for Lintz Toyota in Manchester and 39th annual Connecticut Flower and Garden Show, promos for talk shows on “WDRC, the talk of Connecticut”, presumably simulcasting WDRC-1360. Good signal but some WHEN-620 splatter. (HPR-NY)
- 630 WEJL PA Scranton – 2/15 1309 – Presumed with mention of Greater Scranton YMCA during basketball game, weak signal. (HPR-NY)
- 640 WGST GA Atlanta – 3/3 2135 – Coverage of Super Tuesday, "Fox News Radio" mention at 2158, no ToH ID (or missed it), Fox news, weather at 2205, "Atlanta's home for Fox news", back to Super Tuesday coverage. Fair at times to very poor with Radio Progresso and WCRV. No usual CFMJ, which is weird. (PS-ON)
- WHLO OH Akron – 3/3 0525 – “WHLO” by man into news about Firefox web browser. Very poor with others. (GL-NH)
- 650 KIKK TX Pasadena – 3/14 2028 – Under the WSM Grand Ole Opry with sports talk, "CBS Sports Radio 650" slogan. Confirmed with CBS Sports Radio affiliate list and audio stream. Gone at 2030. New. (SC-IN)
- 700 WLW OH Cincinnati – 2/15 1050 – Mike Allen Jr. discussing campaign finance legal case in Hamilton County. “News Radio 700 94.5 FM” ID, ad for Ohio Lottery and other local ads. Good signal, clear. (HPR-NY) *I wonder how far WLW's daytime signal would have traveled back in the day when they fired up the half-million watt transmitter. Mike.*
- 710 WAQI FL Miami – 2/28 2214 – Noted female announcer under very strong Radio Rebelde, "Radio Mambi la Grande" slogan at 2218. Poor to very poor with WOR nulled. First time heard at this location. (PS-ON)



- 720 WGN IL **Chicago** – 2/15 1105 – Local news, “720 WGN” ID. Weak midday signal, some splatter from WOR-710 and WDOS-730. **(HPR-NY)**
- 760 WJR MI **Detroit** – 2/15 1405 – “WJR traffic and weather together”, Zip Recruiter ad. Weak signal, last gasp of daytime groundwave. **(HPR-NY)**
- 780 WWOL NC **Forest City** – 2/10 1605 – “WWOL780.com” ID/website promo, old-time southern gospel music. Call stands for “Wonderful Words of Life”. **(HPR-NY)**
- 900 KJSK NE **Columbus** – 2/21 1905 – Presumed in multi-station mix (WCLM, CHML, UNID preaching and oldies) with several mentions of “CBS Sports Radio”. Only CBS sports I find on 900 kHz is KJSK. **(KK-VA)**
- 930 WBEN NY **Buffalo** – 2/21 1900 – Mixing with WFMD and several UNIDs (religious singing, sports talk, oldies, preaching, other singing and Spanish) with “From the...center studios this is news radio 9-30 WBEN...to know...by being an insider at WBEN...” ToH ID into news. **(KK-VA)**
- 940 WINE CT **Brookfield** – 3/9 2101 – Way atop with sports scores, “940 Sports Radio, WINE” ID into more CBS Sports feed, outstanding for the FOUR watt night signal, or somebody forgot to drop the power upon leaving the station for the night. **(TF-NH)**
- +++ – 2/28 2246 – Sports talk, CBS Sports Radio mentions. Pretty much faded out by 2254 with a brief pop up at 2259 with another CBS Sports Radio mention. No ToH ID heard. Good at first steadily degrading to very poor or just gone with unknown country station. Only CBS Sports Radio station listed on 940 on CBS Sports Radio website and NRC AM Radio Log. **(PS-ON)**
- WKGM VA **Smithfield** – 2/21 1628 – Mixing with WMAC, WKYK and WCPC, station promo: “Be sure to tune to the nation's station 9-40 WKGM”. Noted again at 2143 with male “Thank you for keeping it right here on AM 9-40 WKGM. Your ministry station.” **(KK-VA)**
- CFNV QC **Montreal** – 3/12 1959 – Station promo that uses snippets of Elton John’s “Tiny Dancer” and Peter Gabriel’s “Digging In The Dirt”. Then ID in French followed by a song sung by a woman in FF. **(NjW-ON)**
- CJGX SK **Yorkton** – 2/27 2211 – Saskatchewan junior hockey game, // webstream. In mix with Mexican station. **(NjW-ON)**
- 950 WXGI VA **Richmond** – 3/6 1742 – In multi-station mix (WCTN, WBES, WORD, WKDN, Cuban R. Reloj.) with female “...5 and 102 7 ESPN” slogan. **(KK-VA)**
- WBES WV **Charleston** – 3/7 2336 – Sports talk, Fox Sports Radio mentions, “...The Sports Fox” slogan at 2344, various ads, “950 WBES, The Sports Fox” ToH ID at 0000. Poor to very poor with WWJ. First time heard at this location. **(PS-ON)**
- 960 WELI CT **New Haven** – 3/6 1757 – In WFIR/WRNS mix with promo for “... high school hockey on news radio 9-60 and 96.9 FM WELI”. **(KK-VA)**
- WFIR VA **Roanoke** – 2/10 2220 – Virginia Department of Health PSA, ad for Zip Recruiter, Mark Levin show with prayers for Rush Limbaugh’s lung cancer and talk on the secret war on cash. Strongest I’ve ever heard WFIR, like a near-local. Disappeared suddenly at 2228, then re-appeared much weaker in a station jumble. **(HPR-NY)**
- 970 WCHN NY **Norwich** – 3/12 2300 – Caught “WCHN, Norwich...” at tune in, Fox Sports Radio mentions, into sports talk. Poor to very poor in station mix. **(PS-ON)**
- 980 WULR SC **York** – 3/6 2000 – Mixing with WTEM, WAAV and other Spanish, female in SS with “Radio nueva vida” slogan, male with bilingual “WULR...cadena vida” ID. New station for me. **(KK-VA)**
- 990 WTLN FL **Orlando** – 3/6 1927 – In multi-station mix with station promo mentioning “...everyday at ‘The Word Orlando’”. First time heard since call change from WDYZ. **(KK-VA)**
- WREJ VA **Richmond** – 3/6 1647 – In multi-station mix (WEEB, WNTI, WNML, WTLN and UNID C&W) with “Listen to Rejoice 101.3...” slogan. Noted again at 1728 with station promo: “The rejoicing continues this afternoon at 3[sic] with Brother Ray on Rejoice 101.3...”. First time hearing since call sign switch from WLEE. **(KK-VA)**
- 1040 WPBS GA **Conyers** – 2/20 2356 – On after sunset with music in assumed Vietnamese, talk by female announcer and promos/ads, “WPBS 1040 Conyers...” ID in EE under program at 0000 into more music. Good with WSGH underneath. **(PS-ON)**
- 1150 WDEL DE **Wilmington** – 2/10 1605 – Several mentions of Delaware and WDEL news. Good signal but heavy co-channel QRM from at least six other stations. **(HPR-NY)**



- 1160 WPIE NY **Trumansburg** – 3/3 1645 – Over WVNJ and others with the Will Kane Show on ESPN, "ESPN Ithaca" slogan. **(TF-NH)**
- 1170 KJXX MO **Jackson** – 3/6 2002 – "Continuous Light Favorites 101.9 The Dove" slogan. Barely readable. New. **(SC-IN)**
- 1200 WRKK PA **Hughesville** – 3/4 1818 – Classic rock, "Williamsport's rock station, Rock 94.9" slogan noted in dogfight with usual pest WMUZ. **(MKB-ON)**
- 1230 WCMC NJ **Wildwood** – 2/17 0103 – "Diana" by Paul Anka, "Classic oldies 93.9 WMID FM" ID. // WMID-1340 Atlantic City. Often dominant here on 1230. **(HPR-NY)**
- WCBT NC **Roanoke Rapids** – 2/28 2007 – Mixing with numerous graveyard stations, "Today's best...Gospel and today's best southern soul. WCBT AM 12-30" station promo. **(KK-VA)**
- WPCO SC **Columbia** – 2/28/ 2029 – Mixing with numerous graveyard stations, male with promo for University of South Carolina, local ads mentioning "...3 showrooms in Columbia" and "Founders Federal Credit Union". First time hearing since call sign change from WOIC. **(KK-VA)**
- 1240 WATT MI **Cadillac** – 3/14 1900 – ToH ID: "conservative talk and scintillating conversation. What you need to know 24/7. 1240 WATT AM and the all-new 106.1 WATT Cadillac. It's 7 o'clock" into Fox news. **(NjW-ON)**
- WWWC NC **Wilkesboro** – 2/28 2131 – Mixing with numerous graveyard stations, "...life changing local radio. The way it should be. Hometown Christian radio 3WC" station promo. **(KK-VA)**
- 1250 WPGP PA **Pittsburgh** – 3/9 2110 – Atop with talk about gun control by several Pennsylvania. No sign of often heard WARE, WMTR, WGAM, or CJYE, not heard here before although night signal is directional toward NH. **(TF-NH)**
- 1260 WQOF DC **Washington** – 3/1 2129 – Relevant radio religious programming in mix with other talkers, ID as "WQOF Washington. Relevant radio 12-60 AM.". First time hearing since call sign change from WSPZ. **(KK-VA)**
- 1270 WXYT MI **Detroit** – 2/9 2002 – loud and clear with "CBS Sports Radio 12-70" slogan, reminding me of 1959 when Detroit's top 40 WXYZ used to dominate this channel here. **(HPR-NY)**
- 1280 WGBF IN **Evansville** – 3/5 0003 – News, various ads, "WGBF" ID at 0006, into Coast to Coast AM. Fair occasionally to very poor with CFMB. **(PS-ON)**
- 1290 CJBK ON **London** – 2/15 1850 – Sports talk, mentions of London, local ads for Airport Hyundai, John Deere, Bridgestone Tires, Canadian Tire, etc. **(HPR-NY)**
- 1310 WTLC IN **Indianapolis** – 2/9 2014 – "1310 and 92.7 the Light... inspiration to get you through your day... non-stop inspirational praise" station promo, mention of Indiana National Guard. First time heard here, fair-to-good signal. **(HPR-NY)**
- WTZN PA **Troy** – 3/14 0554 – Missed the ID but caught mention of 107.7 FM. WTZN web site audio link revealed Dylan's "Lay Lady Lay" just before the top of the hour, same as the radio audio. Lost signal at that point, lots of stations coming in. **(JW-PA)**
- 1320 WJAS PA **Pittsburgh** – 2/15 1848 – "Talk Radio 1320 AM 99.1 FM" slogan, PSAs for Smokey Bear (prevent forest fires), hungry children in America and American Heart Association, "iHeart Radio WJAS" ID. **(HPR-NY)**
- 1330 WKTA IL **Evanston** – 2/26 1800 – "WKTA Evanston-Northbrook-Chicago" ToH ID cutting through usual Erie, PA sports talk pest. **(MKB-ON)**
- WESR VA **Onley-Onancock** – 3/15 0549 – Coming in well at this time with Blake Shelton's "God's Country". "Coastal Country" slogan ID at 0611. **(JW-PA)**
- WETZ WV **New Martinsville** – 3/15 0550 – Presumed, clearly heard ad for PJ's Pizza with a 304 (West Virginia) area code. **(JW-PA)**
- 1340 WNCO OH **Ashland** – 3/12 2000 – ToH ID: "Fox Sports 1340 WNCO Ashland Mansfield, an I-Heart radio station". **(NjW-ON)**
- 1350 WINY CT **Putnam** – 2/9 0959 – "Fly Like an Eagle" by Steve Miller Band into short newscast at 1000 and local weather, great 1950s style jingle into "Shout" by Ernie Maresca. Good signal even with slop from local WENT-1340. **(HPR-NY)**
- 1360 WDRC CT **Hartford** – 3/15 0503 – IDing as "WMMW, the talk of Connecticut" for // WMMW-1470 Meriden. **(JW-PA)** Per NRC Log, their slogan is "Trump 103.3", i.e. "all Trump all the time"! Mike.
- WTOC NJ **Newton** – 3/5 2235 – Radio Vision Cristiana programming with preacher in SS. Unable to get ID, but definitely // to Simple Radio stream. Poor to very poor in station mix including WSAI. **(PS-ON)**



- 1370 WGOH KY Grayson – 3/5 1827 – Call sign ID at this time under WSPD; playing country music with "twang". Must have been the last gasp of daylight power. (JW-PA)
- WPAZ PA Pottstown – 3/3 1705 – Atop frequency with hymns, female "The Word FM" slogan and into more hymns, lost to WFEA. (TF-NH)
- WVMR WV Frost – 3/1 0540 – Generally audible in the background with classical music; occasionally breaking through during the period. Partial callsign ID, along with a list of affiliates at 0700. Mentioned being in WV; checked with internet feed. My guess would be daylight power. (JW-PA)
- 1400 WMAN OH Mansfield – 3/13 0658 – ID: "News radio WMAN 98.3 FM and 1400 AM". (NjW-ON)
- 1420 WBEC MA Pittsfield – 2/24 0618 – "America's first news with Gordon Deal", then "1420 WBEC" by man. Very poor in slop. (GL-NH)
- WEMB TN Erwin – 3/10 0558 – Clear ID from "1420 Sports Radio WEMB" at this time and a minute later. Clears up the source of the "Sports Radio 1420" slogan IDs from a couple nights ago. (JW-PA)
- 1450 WENI NY Corning – 3/7 0700 – Caught "WENY Elmira" ID for // WENY-1230 into Finger Lakes Network local news before fading into graveyard mush. (MKB-ON)
- WKIP NY Poughkeepsie – 3/3 1635 – Sean Hannity Show atop frequency for five minutes. (TF-NH)
- WLEC OH Sandusky – 3/12 2000 – ToH ID that also mentions FM 93.5 and says they are locally owned and operated by Bas Broadcasting. (NjW-ON)
- CHOU QC Montreal – 3/9 2130 – Atop frequency with ethnic stuff sounding like Arabic, definitely not French or Spanish. (TF-NH)
- 1480 WDJO OH Cincinnati – 2/11 0126 – "Mr. Tambourine Man" by the Byrds, promo for "the sixties at six on Cincinnati's Oldies Network WDJO" into "Walk Like a Man" by the Four Seasons. (HPR-NY)
- 1490 WOLF NY Syracuse – 3/4 0700 – ToH ID mentioning Fox Sports and also 1300-WOSW in Fulton NY. (NjW-ON)
- WRCE NY Watkins Glen – 2/24 1804 – Popped out of jumble with "Classic Country...1490 WRCE" ID into C&W song. (MKB-ON)
- 1550 WAZX GA Smyrna – 2/25 2115 – Playing various oldies with a signal that would often fade into the mush. At 2139 the signal jumped right up to +40 with "Papa Was A Rolling Stone" by the Temptations, occasional automated time checks, more oldies by Rod Stewart, The Troggs and even some country, ID at 2201 "WAZX...". Poor at first to excellent. (PS-ON)

## Confirmed DXer

Phil Bytheway, 9705 Mary NW, Seattle WA 98117-2334, [phil\\_tekno@yahoo.com](mailto:phil_tekno@yahoo.com)

Report your verifications to the NRC eGroup and they will appear here, or send them directly to me at the above address. For the last several months, I have been reports via Email gleaned from the station website. Email response is over 70%. Next deadline: 05/16/20 1 PM PLT. pb

- 740 KNFL ND, Fargo. PPC in 14 days from Chase Miller. (JW-CO)
- 970 KXTA ID, Rupert. PPC in 10 days. V/s Kim Lee, GM/Owner. (JW-CO)

John Wilkins – Wheat Ridge CO  
(JW-CO)



Dear Sir:-

We are pleased to verify your reception of

**W B A L**

on 1090 kc at 5:02-5:21 A.M.. Your reports are quite valuable to us, and we hope you will continue to enjoy reception from WBAL whenever possible.

Very Truly Yours,

Baltimore 11, Md.

*Harrison C. Brooks*  
CHIEF ENGINEER

# International DX Digest

Bruce Conti, 46 Ridgfield Drive, Nashua NH 03062-1174

contiba@gmail.com

For loggings of stations outside the U.S. and Canada

All times are Universal Coordinated Time (UTC)

## TRANS-ATLANTIC DX

- 549 **ALGERIA** *Jil FM*, Sidi Hamadouche MAR 15 0458 - Good; choral marching band national anthem, parallel weak 531 kHz. [Conti-NH]
- 595 **MOROCCO** *SNRT Oujda* MAR 15 0400 - Solid s8 signal but no readable audio, only weak het from 594 kHz; measured 595.098 kHz. [Conti-NH]
- 693 **UNITED KINGDOM** *BBC Radio 5*, Droitwich et al. MAR 15 0600 - Fair; "This is BBC Radio Five Live." [Conti-NH]
- 774 **SPAIN** *RNE1* synchros MAR 9 0456 - Of all the TA carriers, this one manages some audio, Castilian talk from RNE synchros, 0500 six-pip time signal, talk and music. Still very heavy splash from 780 WBBM. [Hauser-OK]
- 882 **UNITED KINGDOM** *BBC R.Wales*, Washford et al. MAR 15 0300 - Fair; "The BBC World Service, the world's radio station," to time pips and news. [Conti-NH]
- 891 **ALGERIA** *R.Algérienne*, Ouled Fayet MAR 11 0057 - Music barely separable from 890 WLS. From a few minutes earlier there were JBA carriers on almost all the available lower 9-kHz channels. [Hauser-OK]
- 1089 **UNITED KINGDOM** *TalkSport* synchros MAR 14 2259 - Good with synchro echo; talk past the hour to ad string with McDonald's whistling sounder, parallel 1053 kHz. [Conti-NH]
- 1152 **ROMANIA** *R.România Actualitati*, Cluj MAR 15 0258 - Good; choral national anthem, parallel 1179 kHz. [Conti-NH]
- 1215 **UNITED KINGDOM** *Absolute Radio* synchros MAR 15 0500 - Good; "Jump" by Van Halen, ID and news, "The main stories this hour..." [Conti-NH]
- 1467 **FRANCE** *TWR Roumoules* MAR 3 2210 - Best TA signal that I am hearing this afternoon. Man in Arabic with brief music bridge to woman with announcements in Arabic over background music. Sounded like a brief ID also. Very good signal with a solid s7. Audio pretty clear with only slight interference and spillover. [Wood-MA]

*Transatlantic carrier search:* MAR 9 0448 - 531, 549, 558, 567, 585(2), 603, 612, 621, 639, 666(2), 693\*, 711, 774\*(2), 783, 801, 837, 846 (TP Kiritimati?), 855, 882, 891, 909, 936(2), 999, 1026, 1044, 1053\*, 1089, 1125(2), 1134(2), 1152, 1215, 1314, 1341, 1575 kHz. There could be more above 1200 but the splash/interference levels are worse there. (2) = at least two carriers beating; \* = strongest. [Hauser-OK]

## PAN-AMERICAN DX

- 610 **CUBA** *R.Rebelde*, Bueycito//Cienfuegos-Malecón//Guane FEB 17 0635 - Tropical music, parallel to other sites. Fair signal. [Beu-TX]
- 650 **MEXICO** *XETNT* Los Mochis, Sin. MAR 13 1229 - Some Mexican music mostly atop WSM, 1230 into choral national anthem, 1232 Radio 65 jingle and opening 'Buenos Dias, Yarderos' signature wake-up show. Not a big signal, but glad still to hear XETNT, which really gets out; no other XE's heard now in the 540-730 range. LSR here 1244 UTC. [Hauser-OK]
- 780 **VENEZUELA** *YVMN R.Coro*, Coro FEB 17 1003 - Male announcer with "Radio Coro" ID; fair signal. [Beu-TX]
- 1070 **COLOMBIA** *HJAH Emisora Atlántico*, Barranquilla FEB 24 0128 - Lively tropical music, parallel to internet stream. Fair signal. [Beu-TX]
- 1070 **COLOMBIA** *HJCG R.Santa Fe*, Bogotá FEB 24 0218 - A whistle type attention signal followed by "Radio Santa Fe" ID by male announcer; fair signal peak. [Beu-TX]

## TRANS-PACIFIC DX

- 774 **JAPAN** *JOUB, NHK2*, Akita MAR 13 1157 - I'm awake so hasten to check out some TP carriers - NHK has some audio here, heralded by the top of the hour TS chime prolonged at 1200 UTC. [Hauser-OK]

*Transpacific carrier search:* MAR 13 1200 - After hearing the NHK chime time signal at 1200 on 774; on the DX-398 with DF where obvious: 702, 693-NW, 666, 594-NW, 567 kHz. 702, at 1209 a slow SAH, one from WSW; also until 1215 - 747-NW, 792, 828, 882-WSW, 972, 1035, 1125-WSW, 1297(2), 1512 kHz. Then I switch to the R75 with east-west long wire, so no DF'ing, 1219-1229 - 558, 567, 594, 657(2), 693, 711, 729, 747(2), 828, 1035, 1242, 1422, 1521 kHz. Enid LSR 1244 UTC. [Hauser-OK]

### CONTRIBUTORS

Mike Beu KD5DSQ, Austin TX; Drake R8B, terminated Delta antenna (17-ft apex and 28-ft base) northeast, Mini-Flag antenna (7 by 15-ft) southeast.  
 Bruce Conti WPC1CAT, Nashua NH; WiNRADiO Excalibur, variable termination Super/Ewe antennas 15 x 23-m at 60° northeast and 180° south.  
 Glenn Hauser, Enid OK; NRD-545 with ALA-330S or north/south not very long wire, DX-398 or PL-880 with internal antenna only, sometimes IC-R75 with ~100-ft east/west long wire.  
 Stephen C. Wood, East Dennis MA; Perseus SDR, 30 x 15 terminated SuperLoop.

### INTERNATIONAL NEWS

**SPAIN:** RNE reduced local/regional schedule due to COVID-19, effective March 14 (All times UTC); Sat-Sun 0805-0810 Regional R5, 1230-1240 Regional R1//R5. Mon-Fri 0625-0630 Local R5, 0645-0700 Regional R1//R5, 0815-0820 Local R5, 0904-0906, 1004-1006, 1104-1106, 1210-1230 Regional R1//R5 (R5 may split for national programming if live statements or press conferences are expected), 1604-1606, 1804-1806, 1925-1930 Regional R1//R5. [Mauricio Molano]



73 and Good DX!

# DX Toolbox

Shawn Axelrod, 30 Becontree Bay, Winnipeg R2N 2X9 (Canada) [amandx@mymts.net](mailto:amandx@mymts.net)

Greetings once again from the Heart of the Continent and welcome to the DX Tool Box Column number 125.

### 50 Years of Morning Shows

<https://www.cbc.ca/news/canada/manitoba/cbc-information-radio-50-manitoba-1.5455947>

Click on the link above and see the story on how Information Radio on CBW 990 AM in Winnipeg. There is the story on how CBW changed morning radio into a format so familiar to many of us today but revolutionary back then. Also the pictures are excellent of the days gone by and the faces of the voices so many people heard. By the way after 50 years it is still the number 1 radio station in Manitoba.

### Brazilian DXPedition Report

<https://www.scribd.com/document/447492579/Dxcamp-Marajo-Island-Brazil-2019-Martin-Butera>

I received this from Martin and thought I would share it with all of you. There is WAY more than just loggings. The pictures and the story of getting to setting up and just enjoying the location are first rate: "I am sending the report and log file on the DX camp of Marajó Island, northern Brazil, made in November 2019. I would very much like you to help with our promotion. Thanks a lot. Martin Butera 73."

### One Hundred Years of Radio in Canada

<https://radio100.moeb.ca/en>

Click on this link to go to the sight set up to celebrate 100 years of radio broadcasting in Canada.

### Bits and Bites from the NRC listserve

From: Bill Whitacre, Alexandria VA

Re: Waters Edge DXPedition

From January 23 - 29 I visited a beautiful location on the Chesapeake Bay - Waters Edge, near Reedville, Virginia. I've been here many times over the past several years and unfortunately this might be my last visit as the owners have sold the property after having it on the market for quite a spell. As usual, I put up a 160' DKAZ facing ~120 deg. hoping to catch TAs and LatAms. It usually works. This trip did not see amazing conditions but they weren't bad either -- South Africa on 828 and Radio Monumental, Ecuador on 1510 mixing with Radio Naval time pips being the highlights. You can see/hear what I heard at this webpage: <http://realmonitor.com/we12/index.php>

73 for this time, Shawn.

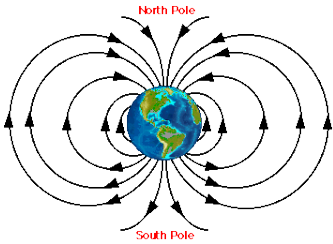
**Remember On A Clear Day You Can Hear Forever**

# Musings of the Members

Dave Schmidt, 49 N. Sumner Street, York PA 17404, [NRCMusings@aol.com](mailto:NRCMusings@aol.com)

## Wayne Heinen – Aurora CO

Taping DX and listening took a hiatus through half of January and most of February. I was the chairman of “The Swapfest,” the Denver Metro area’s largest ham fest, which took up quite a bit of my time. I saw quite a few boat anchors change hands, there are still collectors out there acquiring R-390A’s Hammarlunds and old Nationals. We had some warmer weather which allowed me to inspect and do some repairs to the flags. The East/West antenna just needed a little TLC with a good cleaning of the connections at the baluns. The North/South flag was extended to 38’ X 10’ with the replacement of the wire. The thinner 18-gauge wire had broken on the bottom, probably from the dog’s running back and forth harassing the neighbor’s dogs! I replaced it with some 14-gauge wire, cleaned up the connections and also had to resolder the connecting wires on the toroid transformer inside the south side balun. Today is the “Ides of March” as I write this, and my season totals are up to 527 logged since Labor Day. Most of the DX is in Bill Hales’s DDXD-W. A few since my submission to Bill are here. 3/6 – I was finally able to get a full ID from needed call change KNGO-1480 at 0100 coming out of Vietnamese talk to “... KNGO AM 1480 Dallas Texas” in EE. This one has at times been heard //KGOW-1560 and airing their ID, but of course, not good enough for the log. Later I added unneeded KQMS-1670 with pest WOZN in a null and KLFE “AM 1590 The Answer” in the null of pest KVGB. For now we have enough provisions to last us a few weeks and will spend our time avoiding crowds and continuing to pray that everyone stays well and for a quick passing of the Wuhan virus panic. Stay safe all and 73.



## Geomagnetic Indices

Geomagnetic Summary February 2020

Via Phil Bytheway – Tabulated from online status daily (K = 0000 UTC)

<ftp://ftp.swpc.noaa.gov/pub/forecasts/www/>

Date	Flux	A	K	Space Weather				
2/ 1	73	6	2	no storms	15	71	5	1 no storms
2	72	6	2	no storms	16	71	3	0 no storms
3	72	4	0	no storms	17	71	7	3 no storms
4	70	5	2	no storms	18	71	14	3 no storms
5	71	4	1	no storms	19	71	14	2 no storms
6	71	15	3	no storms	20	71	8	3 no storms
7	71	15	4	no storms	21	71	14	3 no storms
8	72	6	1	no storms	22	72	9	2 no storms
9	71	7	2	no storms	23	70	4	2 no storms
10	70	5	2	no storms	24	70	4	1 no storms
11	71	6	1	no storms	25	71	3	0 no storms
12	72	4	1	no storms	26	70	4	1 no storms
13	71	3	2	no storms	27	71	4	1 no storms
14	71	3	1	no storms	28	71	6	2 no storms
					2/29	70	11	4 no storms

Sx – Solar Radiation Storm Level / Gx – Geomagnetic Storm Level / Rx – Radio Blackouts Level.

Visit the NRC on Facebook: <https://www.facebook.com/groups/509246815818550/>

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Aurora, CO 80047-3251  
<amlog@nationalradioclub.org>

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Peak Printing, Inc.  
716 S. 9th Street, Cañon City CO 81212  
(719) 275-2136 [info@peakprintingonline.com](mailto:info@peakprintingonline.com)  
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