

DX News

Serving Medium Wave DXers since 1933

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DX Tests: WNJC-1360 Washington Township NJ has been running weekly DX tests 0000-0200 ELT Sunday mornings (Saturday evenings), and CE Duke Hamann plans to keep them going through October. Duke has set up a group <https://www.facebook.com/groups/wnjc1360dx> with test details. Or subscribe to the NRC e-mail list (see Musings for details on how to sign up).

And KSEN-1150 Shelby MT will test on Sunday Nov. 8 at 0201-0300 using day power (10 kW) and (hopefully) a nondirectional antenna. Thanks to KSEN, especially CE Todd Clark, and to CPC member Paul Walker.

From the Publisher: Thanks as always for everybody who has contributed to this issue – don't forget to support your favorite columns as the DX season heats up! We're every two weeks now through the winter.

Membership Report

"Enjoy reading and contributing to every issue possible. I wish there could be DXers close to me to meet up with." – Terry Krueger

New Members: Welcome to Stephen B Pacetti, Westminster, CO.

Renewing Members: Thanks for the ongoing support of David Aichelman; Sean Breazeal; Paul

Conneely; David Cox; Carl Dabelstein; Gary DeBock; Pat Doak; Albert Earnhardt; Russell J. Edmunds; Robert Ford; Richard Foster; Michael Gaston; Paul Hansen; David Hochfelder; Russ Johnson; John Kraemer; Terry Krueger; Ted S. Liszewski; Tom Mulvaney; James Niven; Gary Nuthals; Jon Pearkins; Stephen Ponder; David Potter; Richard M. Ray; John T. Ridge; Robert Rodriguez; Jerry Sanderson; Brett Saylor; David Smith; Franklin Smith; Gary L. Smith; Randy Stewart; Danny Taylor; Peter V. Taylor; James Tedford; John Varljen; Niel Wolfish; Stephen Wood.

Volume 88 DXN Schedule

| No | D'dline | Print | No | D'dline | Print |
|----|---------|---------|----|----------|----------|
| 3 | Oct. 25 | Nov. 3 | 12 | Feb. 28 | Mar. 9 |
| 4 | Nov. 8 | Nov. 17 | 13 | Mar. 21 | Mar. 30 |
| 5 | Nov. 22 | Dec. 1 | 14 | Apr. 11 | Apr. 20 |
| 6 | Dec. 6 | Dec. 15 | 15 | May 2 | May 11 |
| 7 | Dec. 20 | Dec. 29 | 16 | May 23 | June 1 |
| 8 | Jan. 3 | Jan. 11 | 17 | June 20 | June 29 |
| 9 | Jan. 17 | Jan. 25 | 18 | July 18 | July 27 |
| 10 | Jan. 31 | Feb. 9 | 19 | Aug. 15 | Aug. 24 |
| 11 | Feb. 14 | Feb. 23 | 20 | Sept. 12 | Sept. 21 |

NRC AM Radio Log – 41st Edition Now Shipping

The 41st edition of the *AM Radio Log*, the premier source for information on AM radio stations in the United States and Canada, is available now for sale. The *Log* contains of individual station data, cross references and 12 pages of instructions in 8-1/2" x 11" size, 3-hole punched U.S. loose leaf format. This publication fits nicely into a 1" three-ring binder. Reference lists include State/Provinces in frequency order, call letters of FM simulcasts with the AM Stations listing, listings of regional groups of stations in the groups section (separate section of the logbook), a cross reference of those stations that are licensed to use IBOC (In Band On Channel) digital audio, and a comprehensive list of FM translators that are now simulcasting with AM broadcasters.

Order by snail mail by check or money order in U.S. funds, Colorado residents please add 8% sales tax (or your local sales tax rate if lower) to National Radio Club, P.O. Box 473251, Aurora, CO 80047-3251 or order using your Pay Pal account at <http://www.nationalradioclub.org/>

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AM Switch

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

FCC and CRTC Decisions and Applications

CALL LETTER CHANGES

- 1230 KYQT OR Burns – Call change to KZHC (Oct. 1).
 1240 WPBQ MS Flowood – Call change to WZQK (Sept. 30).



NEW STATION WATCH

- 1500 KWIF CA Culver City – Expiration date of CP for new station is now Oct. 30, 2020.

STATIONS GOING DARK

License cancelled, calls deleted:

- 1140 CBF4 QC Matagami – CBC LPRT station has moved to 97.7 MHz FM.
 1230 CJNL BC Merritt – Dan Sys says the station has gone silent for good as of Sept. 15.
 1420 WQBC MS Vicksburg – License cancelled at licensee's request dated Sept. 28; had been silent since Jan. 12, 2019 (but was not on FCC silent list).
 1430 WDIC VA Clincho – License cancelled at licensee's request dated Sept. 30; had been silent since Oct. 31, 2019.

CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs built, awaiting final licensing (may be on the air):

- 540 WETC NC Wendell-Zebulon – Applies for license to cover CP for U4 10000/4400, existing site.
 1300 WTIL PR Mayagüez – Applies for license to cover CP for U4 5000/800, new site 18-09-17/67-09-08; has been operating from CP site under STA for some time.

CPs granted:

- 1060 WHFB MI Benton Harbor – Granted CP with U1 3000/1 (ch 2500), existing site (note CoL on the CP is for Benton Harbor only, no longer Benton Harbor-Saint Joseph).
 1240 KDEC IA Decorah – Granted CP to move to tower of share-time KWLC-1240 at 43-18-35/91-48-30; share-time arrangement to continue "as is."
 1310 WTTL KY Madisonville – Granted CP with U1 1000/40, existing site.
 1370 WDXE TN Lawrenceburg – Granted CP with U1 1000/25, existing site.
 1440 KEYS TX Corpus Christi – Granted CP for U1 1000/199, existing site.
 1510 WRRD WI Waukesha – Granted CP with D1 250, adjust coordinates to 43-01-04/88-11-44.

Applications for CPs received:

- 930 WHON IN Centerville – Applies for CP with U1 145/22, new tower at existing site, coordinates adjusted to 39-53-32/84-56-10.
 1210 WJNL MI Kingsley – Applies for CP with D1 10000 (ch 2500), existing site.
 1270 KBZZ NV Sparks – Applies for CP with U2 10000/5000, modified night pattern, coordinates adjusted to 39-32-02/119-39-46.
 1420 CKDY NS Digby – Applies to move permanently to 99.7 MHz FM.

SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

- 970 KBUL MT Billings – Granted STA, night parameters at variance (using U2 5000/2500).
 1050 WWGP NC Sanford – Granted STA, U1 400/161, transmitter damage.
 1120 KANN UT Roy – Granted STA, U4 5000/1100, reduced day power due to phaser problems.
 1410 KDKT ND Beulah – Granted STA, U1 500/189, reduced day power, transmitter problems.
 1430 KVVN CA Santa Clara – Granted STA, U1 250/625, damage to ATU and fire prevention.
 WTNA PA Altoona – Granted STA, U1 5000/25, night pattern is unstable.
 1530 WVBF MA Middleborough Center – Granted STA, U4 2500/4, reduced day power, storm.
 1590 WFTH VA Richmond – Granted STA, D1 100, 56.5 ft. LW at licensed site, damaged tower to be taken down soon.

Applications for STAs received:

- 880 WSLK VA **Moneta** – Applies for STA, D1 130, Isotron antenna at 37-09-49/79-38-09.
- 1340 KSGT WY **Jackson** – Applies for STA, U1 500/500 or less, 100' LW at 43-27-43/110-45-10; has lost licensed site.



Extensions granted to existing STAs:

- 550 KTRS MO **Saint Louis** – Granted STA extension, U1 5000/400.
- 600 KGEZ MT **Kalispell** – Granted STA extension, U1 1250/250.
- 720 WHYF PA **Shiremanstown** – Granted STA extension, LW at 40-12-58/76-58-08.
- 830 WCRN MA **Worcester** – Granted STA extension, U4 18900/50000, night pattern 24 hours.
- 850 WEEI MA **Boston** – Granted STA extension, parameters at variance.
- 940 WXNK WI **Shell Lake** – Granted STA extension, reduced power (using D1 50).
- 970 WFUN OH **Ashtabula** – Granted STA extension, parameters at variance.
- 980 WAAV NC **Leland** – Granted STA extension, U1 5000/1250.
- 990 KZZB TX **Beaumont** – Granted STA extension, U1 250/250.
- 1010 KIHU UT **Tooele** – Granted STA extension, U1 50000/48.5 (ch 10500).
- 1030 WOSO PR **San Juan** – Granted STA extension, D1 300, folded unipole at 18-26-55/66-04-37.
- 1050 KTCT CA **San Mateo** – Granted STA extension, U4 50000/35000, Mexican QRM.
- 1110 WPMZ RI **East Providence** – Granted STA extension, parameters at variance.
- 1170 WFPB MA **Orleans** – Granted STA extension, D1 25, whip at 41-44-51/69-58-30.
- 1250 WARE MA **Ware** – Granted STA extension, parameters at variance.
- 1300 WMVO OH **Mount Vernon** – Granted STA extension, parameters at variance.
- WTIL PR **Mayagüez** – Granted STA extension, U1 1000/1000 from CP site.
- 1330 WBGW IN **Evansville** – Granted STA extension, minor parameters at variance.
- 1340 KBNW OR **Bend** – Granted STA extension, 100' LW at 44-03-32/121-17-57.
- 1360 KWDJ CA **Ridgecrest** – Granted STA extension, reduced day power (using U1 250/31).
- WPPA PA **Pottsville** – Granted STA extension, parameters at variance.
- 1450 KQTE CA **Helendale** – Granted STA extension, U1 50/50, 170' LW at 34-45-54/117-14-49.
- KJCV WY **Jackson** – Granted STA extension, minor parameters at variance.
- 1470 KUTY CA **Palmdale** – Granted STA extension, U1 1250/1250.
- 1550 WUSP NY **Utica** – Granted STA extension, reduced day power (unspecified).

Applications to extend existing STAs received:

- 790 WAEB PA **Allentown** – Applies to extend STA, U5 3600/375 or parameters at variance.
- 1080 WKJK KY **Louisville** – Applies to extend STA, parameters at variance.
- 1150 KGDD OR **Portland** – Applies to extend STA, U1 10/10, 18' whip at 45-31-09/122-36-32.
- 1200 WGD L PR **Lares** – Applies to extend STA, U1 1000/1000 as in longstanding CP application.
- 1410 WSHY IN **Lafayette** – Applies to extend STA, U4 500/30.
- 1480 WYZE GA **Atlanta** – Applies to extend STA, U1 10/10, whip at 33-42-16/84-22-40.
- 1520 KOKC OK **Oklahoma City** – Applies to extend STA, U1 10000/10000, at 35-20-01/97-30-18.
- 1540 KXPA WA **Bellevue** – Applies to extend STA, U1 5000/1250.
- 1700 WRCR NY **Ramapo** – Applies to extend STA, U1 2500/250, 175' LW at 41-11-22/74-00-55.

SILENT STATIONS

Silent stations informing the FCC they are back on the air:

- 580 KANA MT **Anaconda** – Silent Oct. 1 (2019); back on the air Sept. 29.
- 1090 WILD MA **Boston** – Silent Nov. 4 (2019); back on the air Sept. 14.
- 1100 WCGA GA **Woodbine** – Silent Sept. 12 (2019); back on the air Sept. 11.
- 1240 WCNC NC **Elizabeth City** – Silent Apr. 1; back on the air Sept. 25.
- 1300 KKOL WA **Seattle** – Silent Sept. 27 (2019); back on the air with STA Sept. 25.
- 1470 KLCL LA **Lake Charles** – Silent Aug. 27; back on the air Sept. 20.
- 1530 WLCO MI **Lapeer** – Silent Dec. 2 (2019); back on the air Sept. 18.
- 1580 WTCL FL **Chattahoochee** – Silent Dec. 31 (2019); back on the air Aug. 3 and broadcast one hour per day, then went silent again Aug. 5 pending arrival of a new announcer from Texas.



Stations informing the FCC that they are silent:

- 1550 KMAD OK **Madill** – Silent Sept. 29 to relocate studios.

NRC AM Log Updates



| | | | |
|------|------|----|---|
| 600 | WVOG | LA | New Orleans – Slogan to “Gospel 600.” |
| 700 | KBYR | AK | Anchorage – Networks to CMP/WW1/DR/P. |
| 740 | WVCH | PA | Chester – Drops nets. |
| 880 | WZAB | FL | Sweetwater – Format to UC:NWS/TLK (ex-REL); slogan to “Black Information Network,” networks to BIN. |
| 920 | KDHL | MN | Faribault – Adds // K250CD-97.9. (FCC) |
| 940 | KPSZ | IA | Des Moines – Slogan to “Hope 940.” |
| | WFAW | WI | Fort Atkinson – Format to OLD (ex-NWS/TLK/SPT); slogan to “Oldies 940,” drops networks. (JJR) (TN) |
| 970 | KUFO | OR | Portland – Networks to Fox/WW1/DR/P/CMP/RER. |
| 990 | WTLN | FL | Orlando – Networks to SRN. (TV) |
| 1030 | WNOW | NC | Mint Hill – Group to Grp= La Zeta 97.3 & 99.1 (ex-Grp= La Zeta). |
| 1060 | WXNC | NC | Monroe – Group to Grp= La Zeta 97.3 & 99.1 (ex-Grp= La Zeta). |
| 1090 | WENR | TN | Englewood – Adds // W285GC-104.9. (FCC) |
| 1170 | KFOW | MN | Waseca – Format to Stunting (ex-CLR). |
| 1180 | KZOT | NE | Bellevue – Slogan to “The Zone 2.” |
| 1220 | KDOW | CA | Palo Alto – Networks to THN/BNN/BTR/WSB. (WH) |
| 1230 | WKLK | MN | Cloquet – Networks to A/WW1. |
| | KMRS | MN | Morris – Networks to USA/WW1/Mn/Li/JBo. (TV) |
| | WYTS | OH | Columbus – Format to UC:NWS/TLK (ex-UC:OLD-HIPHOP); slogan to “Black Information Network,” networks to BIN; delete // W287CP-105.3. (DXMid) |
| 1240 | KCLV | NM | Clovis – Networks to THN/P/DR. (WH) |
| 1250 | WSSP | WI | Milwaukee – Slogan to “1250 AM The Fan,” delete // W289CB-105.7. (TN) |
| 1260 | KLDS | TX | Falfurrias – Slogan to “Radio Cantico Nuevo,” networks to RCN. |
| 1270 | KTFI | ID | Twin Falls – Slogan to “Catholic Radio,” “Salt & Light Radio”; adds // K269HA-101.7; delete Grp= Salt & Light Radio. |
| 1290 | KKDD | CA | San Bernardino – Format to REL (ex-NWS/TLK); slogan to “Relevant Radio,” networks to IHR. |
| 1330 | WKTA | IL | Evanston – Slogan to “Radio 1330am & 95.9 FM.” |
| | KGRG | WA | Enumclaw – Slogan to “Classic Alternative.” |
| 1340 | WITS | FL | Sebring – Format to AC (ex-REL); slogan to “Lite 105.7,” adds // WWLL-105.7. |
| | KXQZ | ID | Wendell – Format to SS:MEX (ex-REL); slogan to “La Lider,” drops nets; adds // K262DD-100.3; delete Grp= Salt & Light Radio. |
| | WNBH | MA | New Bedford – Slogan to “Big 101.3.” |
| | KPRK | MT | Livingston – Group to Grp= Bozeman’s News Talk Leader. |
| | WTRN | PA | Tyrone – Format to CLR (ex-NOS); drops nets; Group to Grp= Classic Favorites 96.9 & 100.7 (ex-Grp= Easy Listening 96.9/100.7). |
| | WRHI | SC | Rock Hill – Slogan to “News Talk Sports,” adds // W261CY-100.1; delete Grp= News Talk & Sports. |
| | WSTJ | VT | Saint Johnsbury – Format to Rock (ex-NOS); slogan to “Magic 97.7,” networks to WW1; adds // WGMT-97.7. (TF) |
| 1350 | WPDR | WI | Portage – Slogan to “AM 1350.” |
| 1360 | WGJK | GA | Rome – Format to C&W (ex-SPT); drops nets; Slogan & Group to Grp= K Country 99.5 & 92.7 (ex-Grp= 99.5 The Jock). |
| 1380 | WWRF | FL | Lake Worth – Slogan & Group to Grp= Fiesta 94.7 & 96.9 (ex-Grp= Radio Fiesta). |
| 1400 | WRJN | WI | Racine – Slogan & Group to Grp= Oldies & Info (ex-Grp= Your Radio Friend). |
| 1410 | KTCS | AR | Fort Smith – Adds // KTCS-FM-99.9. (TV) |
| 1420 | WGXI | WI | Plymouth – Networks to Wi. (JJR) |
| 1430 | WEIR | WV | Weirton – Slogan & Group to Grp= River Talk 94.9 100.9 & 1430 (ex-Grp= River Talk 1430). |
| 1440 | WAJR | WV | Morgantown – Slogan to “Morgantown 104.5 FM & 1440 AM,” adds // W283CR-104.5; delete Grp= The Voice of Morgantown. |
| 1450 | KMMS | MT | Bozeman – Slogan & Group to Grp= Bozeman’s News Talk Leader. |
| | WPVD | RI | West Warwick – Format to CLR (ex-C&W); slogan to “I-105.1,” adds // W288EE-105.5; delete Grp= Cat Country 98.1. |
| 1460 | WHIC | NY | Rochester – Slogan & Group to Grp= The Station of the Cross. |
| 1480 | WJTW | AL | Bridgeport – Format to C&W (ex-CCR); slogan to “Mix 106.” |
| 1490 | KXRA | MN | Alexandria – Networks to USA/Mn/JBo/LCL. (JJR) |
| 1550 | KRPI | WA | Ferndale – Slogan to “Your #1 South Asian Voice.” |

WHIT WI Madison – Slogan to “97.7 The Farm.”
1560 WTNS OH Coshocton – Adds // W274CG-102.7. (FCC)

WRAA-1330 City of License Update!

Thanks to Dave Schweikart for noting that WRAA-1330 was inadvertently listed in ARL-41 as being licensed to Blacksburg VA after the FCC erroneously changed the City of License from Luray. Dave alerted us and Dale Bickel at the FCC and the error has been corrected!

New Groups

Grp= Bozeman’s News Talk Leader – KMMS-1450, K236CY-95.1, KPRK-1340

Grp= The Station of the Cross – WHIC-1460, W257ER-99.3, W225AR-92.9

Group Name Changes

Grp= 99.5 The Jock becomes K Country 99.5 & 92.7

Grp= Easy Listening 96.9/100.7 becomes Classic Favorites 96.9 & 100.7

Grp= La Zeta becomes La Zeta 97.3 & 99.1

Grp= Radio Fiesta becomes Fiesta 94.7 & 96.9

Grp= River Talk 1430 becomes River Talk 94.9 100.9 & 1430

Grp= Your Radio Friend becomes Oldies & Info

Group Changes

Grp= The Word adds WEXG-98.3 Farmer City, IL

Delete Groups

Grp= Cat Country 98.1

Grp= News Talk & Sports

Grp= Salt & Light Radio

Grp= The Voice of Morgantown



From Radio Insight

iHeartMedia has added daily sportscasts to many of its stations. The new hourly :30 second sportscasts will air predominantly on the company’s Country, Rock, Classic Hits, Hip Hop and spoken word stations utilizing talent from both local stations, Total Traffic and Weather, and national personalities such as Cris Collinsworth, Colin Cowherd, Dan Patrick and Joy Taylor. iHeartMedia says the reasoning behind the new sports updates is that 83% of sports fans want daily updates according to a Scarborough research study, while Nielsen research states 89% of sports fans listen to the radio every week.

Thanks to Shawn Axelrod, Bill Hale, FCC Database (FCC), Dave Schweikart (DS), John J. Rieger (JJR), Tim Noonan (TN), DXMidAmerica (DXMid), Tony Fitzherbert (TF), and Tore Vik (TV).

New at www.nationalradioclub.org

From last issue “James Niven has completed his indexes of the DDXD and IDXD columns from DX News Volume 88.” this should have read Volume 87! (Yes, it would have been a truly amazing feat to index Volume 88 already. – DY)

We have added downloadable pdf’s of DX News for Volume 85 and Volume 86 to our available archives. DX NEWS issues from 1933 through 2019 are now available, including the 50th Anniversary Book! Look under The NRC Archive Tab

... DRUM ROLL PLEASE!!! We now have all issues of the DX Audio Service digitized from April 1985 through April 2015 with the exception of January, 1992 and January, 2000. Look under The NRC Archive Tab. Any member who may have a copy of either tape who would be willing to lend them to HQ for digitizing is encouraged to contact NRC HQ

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Domestic DX Digest – East

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

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

All times are Eastern Local Time (ELT)

REPORTERS

- HJH-PA** Harry Hayes, Wilkes-Barre - Grundig S350, ALA-1530 loop
KK-VA Kraig Krist, Manassas - Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop
PS-ON Paul Snider, London - Elad FDM-S2, Wellbrook ALA 1530 LN loop, MFJ-1020C tuner
JW-PA Jim Weber, Oyster Point – Grundig S350, Sony ICF2010
DY-VA David Yocis, Mount Vernon - SDRPlay RSPdx, temporary random wire
MKB-ON Mike Brooker, Toronto – Grundig YB-400PE, XHDATA D-808, Sony SRF-39FP, C Crane Skywave, Panasonic RF-2200

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DX TESTS

- 1360 WNJC NJ Washington Township** – 9/27 0100 – DX Test mixing with WMOB, Fox Sports (probably WSAI), WKMI and oldies. Voice announcement about test and weird sounds. FT8 “CQ WNJC FM29” sent in repeated groups of rising Hertz. **(KK-VA)**
 +++ – 10/4 0003 – Fair on DX test, tones and code mostly under WSAI. Also noted 10/11 0000-0100 – Good and atop the channel with usual DX Test programming, WSAI under with Fox Sports most of the time. **(DY-VA)**

LOGGINGS

- 540 WFLF FL Pine Hills** – 9/30 2333 – Smokey Bear PSA, “. . . News Radio WFLA Orlando” ID, ads, into Ground Zero. Fair at times to poor. First time heard at this location. **(PS-ON)**
880 CKLQ MB Brandon – 10/6 0721 – Creaming WCBS with C&W, “Q Country” slogan, local weather for western Manitoba. **(MKB-ON)**
920 WMMN WV Fairmont – 10/10 2350 – Sports talk, Fox Sports Radio promos, caught WMMN mention at 0000. Poor to very poor jockeying with CKNX. First time heard at this location. **(PS-ON)**
950 WAKM TN Franklin – 10/2 0006 – “Take Me Home, Country Roads” by John Denver, “Classic country station” slogan, more music, 0014 “Hometown Radio AM 950” slogan. Poor to very poor with WWJ. // to Simple Radio stream. First time heard at this location. **(PS-ON)**
1090 KAAZ AR Little Rock – 10/10 0716 – Fighting WBAL and CFRB-1010 spur with country-gospel songs, promo for local church “right here in Little Rock.” **(MKB-ON)**
1150 WIMA OH Lima – 10/1 2305 – ID as “News Radio 1150 WIMA.” Ad for morning show. Weak to fair, mostly alone. **(HJH-PA)**
1160 WSSV NY Mechanicville – 9/28 2340 – “Hotel California” by The Eagles, “Your music . . . Saratoga Star Radio” slogan at 2345 into “Material Girl” by Madonna. Fair at first to very poor with usual WYLL. // to Saratoga Star Radio stream on Tune In. **(PS-ON)**
1260 WBIX MA Boston – 10/9 1900 – Loud in Portuguese with EE legal ID mentioning WBIX-1260 Boston and WFLA-1400/107.1 Fort Lauderdale, “Nossa Radio” slogans, ads. No sign of semi-local WQOF. **(DY-VA)**
1340 WHAT PA Philadelphia – 10/3 2354 – Presumed with Spanish language dance music. No ID heard, but // to Simple Radio stream. Poor to very poor briefly and then lost. First time heard at this location. **(PS-ON)**
1350 WHWH NJ Princeton – 10/9 1900 – Spanish programming, good legal ID in EE at ToH, well atop. **(DY-VA)**
WPDR WI Portage – 10/11 0042 – “I Wanna Dance With Somebody” by Whitney Houston, promo with WPDR mention, “Indiana Wants Me” by R. Dean Taylor. Poor to very poor with WARF. // to Tune In stream. First time heard at this location. **(PS-ON)**

- 1410 WDOV DE **Dover** – 10/3 2333 – In the space of a minute, heard “News Radio 1410 WDOV” three times in the station mix. Poor to very poor with WENU and WING. First time heard at this location. **(PS-ON)**
- WHLN KY **Harlan** – 9/23 1953 – In multi-station mix with station promo: “This is what real variety sounds like. The talk, the artists. Everyday. 14-10 WHLN.” **(KK-VA)**
- WHTG NJ **Eatontown** – 9/23 1844 – In multi-station mix (WDOV, WPOP, WHLN, and several UNIDs: music, baseball game, true oldies and hockey game) with male “14-10 AM, 1 hundred point 7 FM WHTG” ID. New station for me. **(KK-VA)**
- WENU NY **South Glens Falls** – 10/3 2314 – “You Don’t Own Me” by Lesley Gore, “. . . 96.9 and 100.5 FM . . .” mention into “Rock N Me” by Steve Miller Band. Poor to very poor in station mix including WING. // to albanymagic.com stream. **(PS-ON)**
- WRTZ VA **Roanoke** – 10/5 2100 – Call sign ID following “Lies” by the Knickerbockers. Occasionally playing through WDOV Dover, DE talk with various oldies during the next period including “Wild Thing” by the Troggs, “Fingertips” by Stevie Wonder, and The Hues Corporation “Rock the Boat” at 2145. WHAG Halfway, MD on this frequency and also carries the Scott Shannon program on The True Oldies Channel; both stations are under 100 watts at this time but there was no other discernible identification. **(JW-PA)**
- 1420 WCRE SC **Cheraw** – 9/23 2009 – In multi-station mix (WKCW, WH K, UNID sports talk and a baseball game) with station website promo: “Listen worldwide at My FM 93 9 dot com.” **(KK-VA)**
- 1430 WKEX VA **Blacksburg** – 9/23 1936 – In multi-station mix (WNSW, WNAV, CHKT, UNID Fox Sports and Gospel singing) with “Classic hits Z 101.3, 105.9 and AM 14-30” slogan. **(KK-VA)**
- 1440 WCDL PA **Carbondale** – 9/23 1806 – In multi-station mix (WHIS, WAJR, WKLV, UNID religious singing and a baseball game) with station promo “The mothership lands in Old Forge at 14 hundred AM.” Also noted at 1838: “The mothership lands in Dunmore at 1400 AM.” New station for me. **(KK-VA)**
- WKLV VA **Blackstone** – 9/23 1813 – In multi-station mix with FM // slogan “K 92.7 FM.” **(KK-VA)**
- WHIS WV **Bluefield** – 9/23 1951 – In multi-station mix with “News talk 14-40 and 97.3 WHIS. The voice of West Virginia” ID. **(KK-VA)**
- 1450 WIZS NC **Henderson** – 9/30 1906 – In multi-station mix (WREL, WBTL, several UNIDs: talk, rock & roll music and preaching) with station promo: “Thank you for listening to WIZS Henderson. Your community home for . . .” **(KK-VA)**
- 1470 WWNN FL **Pompano Beach** – 9/30 1900 – In multi-station mix with station promo: “We’ve got you covered. AM 14-70, FM 95.3, 96.9, 103.9. South Florida’s FM money talk radio network WWNN Pompano Beach.” **(KK-VA)**
- WQXL SC **Columbia** – 9/30 1820 – In multi-station mix (WBTX, WLMC, WWNN, UNID sports talk and Spanish singing) with talk about South Carolina education lottery. “Here’s the WQXL weather forecast” local weather at 1825. **(KK-VA)**
- WLMC SC **Georgetown** – 9/30 1900 – ToH ID mixing with the WWNN announcement (see logging above): “. . . 101.1 FM . . . your ‘True Oldies Channel.’” **(KK-VA)**
- 1480 WYRN NC **Louisburg** – 9/30 1819 – Mixing with WPWC, sports talk and Spanish singing (not WPWC), 1819 ET male “WYRN AM 14-80” ID. **(KK-VA)**
- WPWC VA **Dumfries-Triangle** – 10/2 2352 – Spanish religious talk and music, ID at 0001 in EE: “This is WPWC Dumfries . . . Virginia . . . Radio Sion . . .” Fair at times to very poor with WDJ0 and WSDS. // to Simple Radio Stream. First time heard at this location. **(PS-ON)**
- 1490 WBCB PA **Levittown** – 9/30 1808 – In WXTG mix with female mentioning “. . . your station in Bucks County.” **(KK-VA)**
- WXTG VA **Hampton** – 9/30 1807 – In multi-station mix (WNTJ, WBCB, UNID talker and Hindi type singing) with “The music . . . choice. ‘The Groove’ slogan. Also noted at 1914 with website promo: “Log into the Groove 1019.com . . . songs and all the Take ‘The Groove’ with you on your portable or mobile devices. Stream 24 7. The Groove 1019.com.” **(KK-VA)**
- 1530 WLCO MI **Lapeer** – 9/30 0727 – Over usual WCKY with FM // slogan “US 103.1, where Aerosmith always rocks” into classic rock. Apparent format flip from “Real Country” to CLR. **(MKB-ON)**



Domestic DX Digest – West

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

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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 may be excluded at the editor's discretion.

Upcoming deadlines for DDXD-West: Issue 3 – October 23; Issue 4 – November 6.

--- REPORTERS ---

- SB-CA **Stephanie Battaglino Palm Desert, California** Perseus w/Jaguar Pro, Wellbrook ALA 1530 LNP mounted on a Hy-Gain AR-500 rotor at 22 feet RPA-2 Preamp, ANC-4 Noise Canceller
- 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.
- KMD-MN **Kurt Decker Browerville, Minnesota** Receiver: DX-390, Antenna: RS loop
- SD-MN **Skip Dabelstein KØSBV Maple Grove, Minnesota** Icom R75 and Drake SW8 Receivers, Ratzlaff Active Whip and Radio Plus Quantum Loop Antennas. **Skip says:** "Just completed a move back to Twin Cities area after living in Tucson the past 24 years. I already miss my 400' BOG in the desert wash behind my house in Arizona. Fortunately, I can restart with a BCB log already with about 750 from when I lived here 1991-1996."
- TK-FL/AL **Terry Krueger Niceville, Florida** ICF-7600 during a random drive to **Dothan, Alabama**
- JN-TX **James Niven Cedar Creek, Texas** Receivers: ELAD S2, Perseus SDR and Drake R8 Antennas: DKAZ 120°, DKAZ 60° and DKAZ 310°
- MN-KY **Mike Newland Morgantown, Kentucky** ICOM IC-7300 and 750 foot longwire
- 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

--- STATION NEWS ---

- 870 KLSQ NV Whitney – 10/2 0408-0416 – Back on the air per tip from P. Walker on IRCA list. Fair-to-go od with KRLA mixing in with SS sports talk; sounded like a discussion of soccer in central America with mention of CONCACAF. Listed at 430 watts nights (not sure if that's what they were running given the signal strength) at 172 miles. (SB-CA)
- 1220 CFAJ ON St. Catharines – 10/1 2000 – Nice signal with Top of Hour ID: "This is a test broadcast on 1220 C F A J St. Catharines. We welcome your questions or concerns. E-mail us today at cfaj1220@gmail.com or call us at 416-289-2323," then in to Oldies Music. (SD-MN)
- 1240 WBGC FL Chipley – 10/4 1550 – A non-log. It ain't. A check-in what barely passes as downtown Chipley and RADIO SILENCE. (TK-AL/FL while in Chipley)
- 1320 WDSA AL Dothan – 10/4 1330 – A non-log. Silent channel. (TK-AL/FL while in Dothan)
- 1580 WTCL FL Chattahoochee – 10/4 1530 – I can confirm that this one remains silent, as checked from the Florida Not-So-Welcome Center (parking lot and restrooms open, Visitor Center COVID closed), located a few inches across the Alabama state line in otherwise the middle of nowhere. Also, no sign of the mystery "The Hummer" open carrier noise source. (TK-AL/FL at Rambo, FL)

--- DX TESTS ---

- 1360 WNJC NJ Washington Township – 9/12 0426:33 to 0426:50 – With off the hook sounds, at 0427:05 to 0427:51 noted also with off the hook sounds and phone ringing was heard. No morse code was heard on this DX Test. Fair-to-Poor signal under the jumble on the frequency. New. (JN-TX)

--- UNIDS ---

570 unID - 10/9 0758 – Poor, with C&W, then Van Halen song, female announcer later on. My guess with C&W was CKSW-SK (unneeded). The Van Halen music might have been bumper music, but ???. No WNAX all morning. Then others going to daytime facilities. (JJR-MI)

--- DX LOGGINGS ---

- 560 KWTO MO Springfield – 9/26 2138 – With Alabama vs Missouri college football. All national ads (Auto Zone and SuperBank (?) Central Bank?), ING Network promo, more ads with no cut-ins for calls/slogans. See <https://mutigers.com/sports/football/schedule/>. Poor, in easily nulled WIND. (JJR-WI)
- 570 WNAX SD Yankton – 10/5 0324 – Good, with ‘Coast-to-Coast,’ program announcement: “The Weekend Files, Sunday at 7 on 570 WNAX,” announcement for ‘WNAX/Ford dealership vehicle giveaway,’ ads for ‘Producers Livestock’ in Sioux City and ‘Make It Mine Designs’ in Mitchell and Huron, and a news brief. (KMD-MN)
- 580 KUBC CO Montrose – 9/29 0458 – With ‘Separate Way’s’ by Journey, followed by male “. . . KUBC Montrose,” then into Pat Benatar music. Mixed badly with two to three other stations, WIBW and XELRDA, but “KUBC” letters were clear and readable. NEW! (JN-TX)
- 580 KIDO ID Nampa – 10/6 0747 – Poor -- “. . . joining us from Fox News, KIDO talk radio . . .” Solid, and alone. (JJR-MI)
- 590 KXSP NE Omaha – 9/30 0324 – Good, with PSAs for ‘ProAg Scholarships,’ ‘The Orphan Diaries,’ and ‘TodaysMilitary.com.’ Announcement that high school football will resume Saturday at 12:30 on “Omaha ESPN Radio AM 590,” then discussion of New York vs. Cleveland baseball game. (KMD-MN)
- 600 WVOG LA New Orleans – 9/22 2000 – With male: “This is Gospel 600, WVOG New Orleans . . . Everyday.” Poor-to-fair signal. NEW! (JN-TX)
- 610 KVNU UT Logan – 9/26 0329-0333 – Fair-to-poor, in mix with KAVL, KEAR and an unID with Mexican music, with Bottom-of-Hour local news and story on Covid-19 cases in northern Utah with ‘Cache County’ mentions, weather report and “KVNU News” mention and “. . . breaking news and stimulating talk, KVNU 6-10 AM and 102.7 FM.” 1 kW nites at 597 miles. (SB-CA)
- 620 KTAR AZ Phoenix – 9/29 – Noted with “ESPN Arizona” at 0459 with Fair-to-Good signal, with KJOL underneath. Relog. (JN-TX)
- 620 KJOL CO Grand Junction – 9/29 – Noted at top of the hour with KJOL mentioned at 0500 at fair signal mixed with KTAR and a Spanish station, Relog (JN-TX)
- 620 KMNS IA Sioux City – 10/5 0326 – Fair, with Fox Sports program, PSAs for ‘Paralyzed Veterans’ and ‘FeedthePig.org,’ ID: “Fox Sports Radio on 620 KMNS. We’re in the air everywhere.” (KMD-MN)
- 620 CKRM SK Regina – 10/6 0746 – Poor, with “County’s biggest hits – CKRM” between songs. WTMJ nulled. (JJR-MI)
- 630 CHED AB Edmonton – 10/9 0755 – Poor, with Time Check, ‘Global One Traffic,’ “Crystal ??? with sports on 6-30 Ched.” (JJR-MI)
- 640 KFI CA Los Angeles – 10/7 0740 – Very poor -to-poor, with ‘Coast-to-Coast.’ Promo for “Bill Handel, mornings 6-10 on KFI” over WOI. Got better as time went on. (JJR-WI)
- 640 WWJZ NJ Mount Holly – 9/26 2145 – Poor, but totally wiping out WMFN, with ‘Relevant Radio’ and ‘Drew Mariani’ promo. (JJR-WI)
- 650 CKOM SK Saskatoon – 9/17 0557 – With male saying “Saskatoon’s Number One sports show . . . 6-50 CKOM,” then into ‘Highway to Hell’ by ACDC. Fair signal. New! (JN-TX)
- 680 WPTF NC Raleigh – 9/30 0337 – Poor, with ‘Red Eye Radio,’ various network commercials for truck drivers, local weather report and forecast. Under CJOB. (KMD-MN)
- 680 CJOB MB Winnipeg – 10/3 0305-0315 – Poor underneath, then mixing with KNBR, with ‘The Drive’ program and a discussion with a call-in guest about the cannabis industry in Canada. // stream. 50 kW at 1,468 miles. #1 for Manitoba from the SoCal desert! (SB-CA)
- 690 KGGF KS Coffeyville – 10/7 0738 – Poor, with “Great Plains” mention, Time Check “. . . here on KGGF,” after Kansas mentions. Alone. (JJR-MI)
- 700 WARB AL Dothan – 10/4 1326 – Urban/Rap format. (TK-AL/FL while in Dothan)
- 700 KHSE TX Wylie – 10/2 0736 – Poor, but easily giving WLW a run, even when not nulled! “Radio Caravan” liners. (JJR-WI)

- 730 KDBI ID Boise – 10/3 0224-0231 – With Mexican music and several “La Gran De” and “Uno oh seis punto siete (106.7)” mentions between songs. // stream. 500 Watts at 673 miles. Good at tune-in, then faded to Poor under a mix of talkers. (SB-CA)
- 730 CKDM MB Dauphin – 10/6 2145 – Good, with C&W music, ID: “The best Country and the Biggest Hits of All Time – 730 CKDM.” (KMD-MN)
- 740 CBX AB Edmonton – 10/8 0756 – “8 degrees, high of 12,” “. . . after the news on CBC Radio One.” Poor, but alone. (JJR-MI)
- 750 CKJH SK Melfort – 9/19 0601 – With male: “. . . 7-50 Melfort . . . home for Saskatchewan, . . . Jim Pattison Broadcasters . . . Radio.” Fair signal, but readable. NEW. (JN-TX)
- 770 KATL MT Miles City – 10/9 0753 – Poor, with a Senate political ad, “KATL” jingle, Ed Sheeran song. Atop. (JJR-MI)
- 770 WAIS OH Buchtel – 9/30 0710 – Sounded like GOS, mention of ‘103.9 FM and 770.’ Poor, with no sign of WABC. (JJR-WI)
- 780 WJAG NE Norfolk – 9/30 0740 – With talk of Nebraska senator (ad maybe?), calls, and jingle. WJAG and WBBM use the same jingle package. Poor, with WBBM easily nulled. (JJR-WI)
- 790 WAYY WI Eau Claire – 10/2 2322 – ID: “Sports Talk 105.1,” ad for “Free book on annuities” at 2324. “ESPN Radio” ID at 2325. (MN-KY)
- 790 WAYY WI Eau Claire – 10/2 0716 – Poor, with two PSAs for ‘Wisconsin National Guard,’ weather and sports. Alone. Rare. (If not for that PSA, I’d have no idea who this was! How difficult is it to insert the calls or a slogan into programming? There **even was** an allotted space and bumper music. Duh!). (JJR-WI)
- 800 CHAB SK Prince Albert – 9/29 0733 – With ‘I Was Made for Loving You’ by Kiss, ‘800 CHAB,’ and ads. Poor -- alone. (JJR-WI)
- 810 KLVZ CO Brighton – 10/5 0758 – Poor, with songs by Rod Stewart & Intruders, “94.3 and 95.3” heard. With others. (JJR-MI)
- 810 KSWV NM Santa Fe – 9/13 0802 – Under KYTY with male saying “KSWV . . . 810 & 99.9 on Translator K260CT Santa Fe,” then into promotion for Santa Fe residents regarding the 2020 Census. Fair signal, under KYTY. NEW. (JN-TX)
- 860 KTRB CA San Francisco – 10/8 0750 – With ad for ‘Garlique,’ “. . . this is AM 860, the Answer,” then Hugh Hewitt. Poor, alone, (JJR-MI)
- 880 KKMC CA Gonzalez – 10/2 0420-0428 – Fair, mixing with an unID Mexican with Christian talk; two male hosts giving advice to callers; ads for ‘Mama Bear Legal Forms’ and ‘Appliance Parts Pros.com.’ 10 kW at 346 miles. Night pattern oriented away from me towards Monterey Bay. (SB-CA)
- 880 WRFD OH Columbus-Worthington – 9/26 0730 – Poor and alone, with with LID for AM and FM translator, after ‘MyPillow’ ad. With others. (JJR-WI)
- 890 KVOZ TX Del Mar Hills – 10/6 0755 – SS REL, easily in 30+ minutes. ‘Radio Cristiana.’ Very poor . . . WLS nulled. (JJR-MI)
- 900 WKDA TN Lebanon – 10/2 0703 – Poor, really old NOS (30s/40s) music, live ID for AM and their FM translator. “Your Kind of Music.” (JJR-WI)
- 900 CKBI SK Prince Albert – 10/5 0754 – Fair, “Saskatchewan Country 900 CKBI” between C&W songs. (JJR-MI)
- 910 CKDQ AB Drumheller – 10/5 0810 – Poor – ‘Real Country’ wake up “. . . here in Alberta” in chatter. (JJR-MI)
- 920 KRLV NV Las Vegas – 9/25 0219-0223 – Poor, with fair peaks around local KKGX’s talk, with sports betting conversation – which included the betting odds on the upcoming presidential debate. “On sports betting radio” was noted by male host just prior to Navy Federal Credit Union ad for auto loan refinancing. 500 Watts nites at 180 miles. (SB-CA)
- 930 CJCA AB Edmonton – 9/30 0810 – Program note for ‘Banner of Truth’; call letter ID, mention of website ‘930thelight.com,’ then back to talk show. Fair and on top briefly. (JW-CO)
- 940 WMAC GA Macon – 10/2 0659 – Poor, with ‘First Light,’ calls, LID “. . . from the ? Ford Studios . . .” Alone. (JJR-WI)
- 940 KPSZ IA Des Moines – 10/2 2300 – Top of Hour ID including “Hope of Des Moines,” then fade out. Underneath WFAW. Poor reception. (MN-KY)
- 940 WFAW WI Fort Atkinson – 10/2 2252 – Oldies, “940 WFAW” ID followed by ‘Knock Three Times’ by Tony Orlando and Dawn. Fair reception. (MN-KY)
- 960 KKNT AZ Phoenix – 9/30 0759 – Conservative ads, ‘Smokey Bear’ PSA, then LID: “This is KKNT Phoenix . . . intelligent talk . . . 960 The Patriot, a service of Salem Media Group”; ‘Town Hall News’ at Top of Hour. Fair. (JW-CO)

- 970 WGTK KY Louisville – 10/2 2002 – Poor, with St. Anthony Tigers vs St. Xavier Trinity High School football “. . . on 970 WGTK.” Alone. (JJR-WI)
- 980 KSGM IL Chester – 10/2 2224 – With ID. St. Louis Cardinals vs San Diego Padres baseball. Poor reception. (MN-KY)
- 980 CJME SK Regina – 10/5 0807 – Poor, with time check, news stories, “. . . interview this afternoon on 980 CJME.” (JJR-MI)
- 1000 KSOO SD Sioux Falls – 9/29 0759 – Legal ID at Top of Hour: “The Talk of Sioux Falls – Information Radio 1000 KSOO Sioux Falls, a Townsquare Media radio station” and into ABC News. Fair. (JW-CO)
- 1000 KOMO WA Seattle – 10/9 0804 – Poor, with weather, mentioning “Olympia Peninsula. High :60s, Sat: 50s, Komo newstime 5:06.” WMVP easily nulled. (JJR-MI)
- 1040 CKST BC Vancouver – 10/9 0803 – Fair! Loud, and I mean loud, with ESPN fodder. Only affiliate on channel. WHO nulled. (JJR-MI)
- 1060 WILB OH Canton – 9/30 0700 – Poor, with Live ID, “Living Bread Radio” slogan. Over WHFB and no KYW. (JJR-WI)
- 1070 KNX CA Los Angeles – 10/5 0745 – Fair! Loud, solid. Time check, Jennifer ? with traffic, calls, 69 (degrees) in downtown LA. (JJR-MI)
- 1080 KNDK ND Langdon – 10/8 0734 – Poor -- Red River Farm Network, SRS Commodities: Mayville, Washburn (North Dakota). KYMN in @ 0745. (JJR-MI)
- 1110 WKDZ KY Cadiz – 10/2 2007 – Poor – Oldies by Eric Clapton and the Sylvers, sweeper, and “WHVO” jingle. No KFAB. (JJR-WI)
- 1150 WMST KY Mount Sterling – 10/2 0827 – Very poor, with “America’s Best Music WMST” jingle, then Peter & Gordon song. With others. WHBY not in strong. (JJR-WI)
- 1200 KYOO MO Bolivar – 9/19 2058 – With country music, ‘American Girl’ by Carrie Underwood, under and over WOAI at times. With male and female with “Your Country 99” slogans given at varying signal levels. NEW! (JN-TX)
- 1220 KDDR ND Oakes – 9/30 0733 – “. . . here in the Dakotas, Friday night, frost warning,” then lost to WLPO. Poor. (JJR-WI)
- 1240 WTAX IL Springfield – 9/30 0730 – Poor, in fade up, with weather “. . . at WTAX, Springfield’s Number One for News Talk.” (JJR-WI)
- 1250 KBRF MN Fergus Falls – 10/3 0808 – Minnesota news; Biden (Jill) to visit Twin Cities; local ads, ID as “News Talk 1250 KBRF” and into “Minnesota Matters” program at 0814. Fair, mixing with KHIL. (JW-CO)
- 1250 CHSM MB Steinbach – 10/8 0833 – Very poor, with temperatures in Steinbach and Winnipeg by woman. Way under others. (JJR-MI)
- 1260 WCCR OH Cleveland – 10/1 2250 – ‘Relevant Radio’ and mention of ‘EWTN.’ Good signal with little fading. Male announcer took phone caller at 2254. (MN-KY)
- 1300 KGLO IA Mason City – 10/8 0155 – Fair with ‘Coast-to-Coast,’ program note for “Swap Shop Friday morning 9:30 on AM 1300 KGLO,” ID: “This is George Norry for AM 1300 KGLO Mason City.” (KMD-MN)
- 1300 WQPM MN Princeton – 10/6 0836 – Poor – WOOD nulled. Stones, Chuck Berry songs, then “The Big Q” jingle, and lost. (JJR-MI)
- 1310 KLIx ID Twin Falls – 9/25 0332-0334 – Poor. Popped up out of the jumble of KIHP and an unID SS talker with “Newsradio 13-10, KLIx” ID twice in a row into C2C segment intro ‘We Are The Champions’ by Queen. A nice surprise! 2.5 kW at 616 miles. (SB-CA)
- 1320 KHRT ND Minot – 10/5 0741 – Poor -- no WILS yet. Southern Gospel, calls after two songs. (JJR-MI)
- 1320 WJAS PA Pittsburgh – 9/26 2040 – Poor, with NOS music, ‘Radio Deluxe’ (affiliate list), and calls. Alone. (JJR-WI)
- 1320 WMSR TN Manchester – 10/2 2215 – Coffee County High School football vs. Rockvale. Poor reception. Required a lot of time to get positive ID. (MN-KY)
- 1330 KWKW CA Los Angeles – 10/5 0858 – TuDN program notes; LID at 0900:20, PDT time check, then news from local studio. Noted “Tu Liga Radio Trece Treinta” slogan a couple of times. Fair, with no sign of usual KGAK. (JW-CO)
- 1340 KTMM CO Grand Junction – 10/3 0359-0402 – With local KWXY off, fair with Top of Hour ID by male: “KTMM, Grand Junction and the team1340.com . . . 101.1 FM, Grand Junction. The total sports leader” into CBS Sports talk show. 1 kW at 566 miles. (SB-CA)



- 1340 WTYS FL Marianna – 10/4 1526 – Modern faux – C&W, “Now the WTYS weather forecast for southeast Alabama . . .” and “. . . at Marianna’s Real Country, WTYS 1340.” Fair, at the Florida ‘Not-So-Welcome Center’ (parking lot and restrooms open, Visitor Center COVID-closed), located a few inches across the Alabama state line in otherwise the middle of nowhere. I think US-231 is the route Dad would take with Mom in the early-to-mid-1960’s and a snotty little kid in the back seat, en-route to visit my paternal grandparents in Lincoln, Illinois every June for two weeks. (TK-AL/FL at Rambo, FL)
- 1340 WLDY WI Ladysmith – 10/7 0832 – Poor – sports, then obituaries three of which were in Ladysmith). Only third time heard! Rare! (JJR-MI)
- 1350 KLHC CA Bakersfield – 10/3 0856-0902 – Poor in the scrum, with Punjabi music and chanting. Was quickly buried by KPWK’s sports talk and an unID Mexican. 33 watts nights at 185 miles. (SB-CA)
- 1380 KVSM CA Santa Maria – 10/3 0859-0903 – Fair, with some good peaks, with Mexican music and several “La Raza” mentions by male host. Started mixing with KLPZ. 500 Watts at 249 miles. (SB-CA)
- 1380 WKJV NC Ashville – 9/29 0742 – Poor –with religious preaching, over others. // stream. First time heard this season. (JJR-WI)
- 1400 KIUN TX Pecos – 9/6 0059 – End of country song, then male comes on with ID: “KIUN Pecos, Texas, USA, serving West Texas since 1935,” then back into country. Fair-to-Good signal. NEW! (JN-TX)
- 1400 KODI WY Cody – 10/2 0833 – University of Wyoming football schedule; high school sports items, local ads, call letter ID. Briefly on top in the mix. (JW-CO)
- 1430 WFOB OH Fostoria – 10/3 0829 – Poor -- “. . . on County Road 236 in Findlay,” MJ Brown Construction Company, then lost. (Fostoria is close to Findlay). No calls noted. (JJR-WI)
- 1450 KWHW OK Altus – 9/6 2200 – With Country music, then female with quick ID as “14-50 KWHW Altus, Oklahoma,” then into news. Good signal. Relog. (JN-TX)
- 1450 KYNT SD Yankton – 10/1 0805 – Rough in QRM, with “Good morning, KYNT News time is 7:05 . . .,” then gone! (JW-CO)
- 1450 KZNU UT Saint George – 9/27 0321 – Poor, with fair peak in mix, with local KCOD off due to financial issues. “KZNU, 93.1 FM and 14-50 AM” mention by male before going into talk program hosted by male with an English accent discussing the upcoming presidential election with a call-in guest. 1 kW at 273 miles. (SB-CA)
- 1470 KWSL IA Sioux City – 10/9 0845 – Poor, with SS music, ads, then (in EE) ‘K12.com,’ WIBD in back. (JJR-MI)
- 1470 WFNT MI Flint – 10/5 0844 – Very poor, with “NewsTalk 1470 WFNT, catch all the (High School) games . . .” Then ‘Steve Gruber Show.’ (JJR-MI)
- 1490 WBBL MI Whitehall – 9/28 0812 – Poor, with ad for ‘MetroHealth.net, for West Michigan and the Lakeshore,’ and mention of “The Ticket . . . West Michigan,” With others. (JJR-WI)
- 1490 WMOA OH Marietta – 10/2 0741 – Very poor, but heard “WMOA” said twice, then Adult Contemporary music. Thought I had this. But not! NEW! for 1490 #58; OH #96; Log #2482. (JJR-WI)
- 1490 KZEZ UT Santa Clara – 10/2 0325-0335 – Fair, mixing with KYCA, KFFN, and KZEZ with a steady stream of adult hits: Irene Cara, Sonny & Cher, Linda Ronstadt, and Gary Wright. ID by male: “100.7 FM, 14-90 AM KZEZ, Santa Clara.” 1 kW at 281 miles. (SB-CA)
- 1490 WGEZ WI Beloit – 9/28 0814 – Very poor, with “Iron Country . . . years of country” in mess. Not common, despite closeness. (JJR-WI)
- 1510 KPLS CO Littleton – 10/2 0235-0257 – Good, with Christian music, choir with “Onward Christian Soldiers.” At 0257 ID by male noted: “This is K-Plus, Littleton-Denver, 15-10 AM and K225CZ on 93.9 FM. Helping you to live your life to the fullest.” 25 kW at 759 miles. (SB-CA)
- 1550 KDCC KS Dodge City – 9/6 2200 – With “Dog Barking” jingle, then male with “. . . 15-50 AM KDCC Dodge City,” followed by dog barking jingle. Fair-to-Good. Relog. (JN-TX)
- 1550 KQNM NM Albuquerque – 9/6 2100 – With “Relevant Radio” and mention of Albuquerque. Fair-to-Good signal. Relog. (JN-TX)
- 1550 WMRE WV Charles Town – 9/28 1955 – Poor, with Fox Sports Radio, I-Heart podcasts. Live ID. Not heard in a while. (JJR-WI)



- 1570 **WWCK MI Flint** – 10/5 0824 – Poor, with “. . . from Michigan to the world, Super Talk 1570.” (JJR-MI)
- 1580 **WVOK AL Oxford** – 9/30 2154 – Oldies music: ‘Closer to You’ by Seals & Croft at 2156. ID at 2153. Signal very good at times. I could hear Yankees vs Indians baseball game underneath WVOK but no positive ID. Possibly WMYC Columbus, Ohio. Top of Hour ID for WVOK at 2300. (MN-KY)
- 1590 **WCGO IL Evanston** – 10/1 2200 – News at Top of Hour and ID at 2205. ‘Ground Zero’ program at 2208. Male announcer discussing topics related to paranormal. Good signal at times. Baseball game underneath: Cardinals vs Padres (ESPN Radio). No ID but possibly WKTP Jonesborough, Tennessee. (MN-KY)
- 1590 **WNTS IN Beech Grove** – 9/28 0745 – Poor – ‘La Pantera’ sweeper between SS songs. Alone, atop. (JJR-WI)
- 1610 **CHHA ON Toronto** – 9/12 2259 – With male giving English and Spanish ID. Fair-to-Good signal. Relog. (JN-TX)
- 1620 **KSMH CA West Sacramento** – 9/6 0159 – With male: “Always loud and clear on your smart speaker . . . KSMH, West Sacramento and K249FJ Lockland, Relevant Radio 1620 AM and 97.7FM.” Fair-to-Good at times. Relog. (JN-TX)
- 1650 **KFOX CA Torrance** – 9/6 0801 – With male and female speaking in Korean, with mentions of “Radio Korea” at Fair-to-Good level. NEW! (JN-TX)
- 1650 **KCNZ IA Cedar Rapids** – 10/5 0310 – Poor, with ‘The Ben Maller Show’ discussing Rams-Giants game, ID: “AM 1650 The Fan,” weather forecast by meteorologist Megan Muffin (?). (KMD-MN)
- 1690 **WPTX MD Lexington Park** – 10/2 1947 – Poor; on tuning in: “1690 AM WPTX” into music. Alone; no WVON. (JJR-WI)

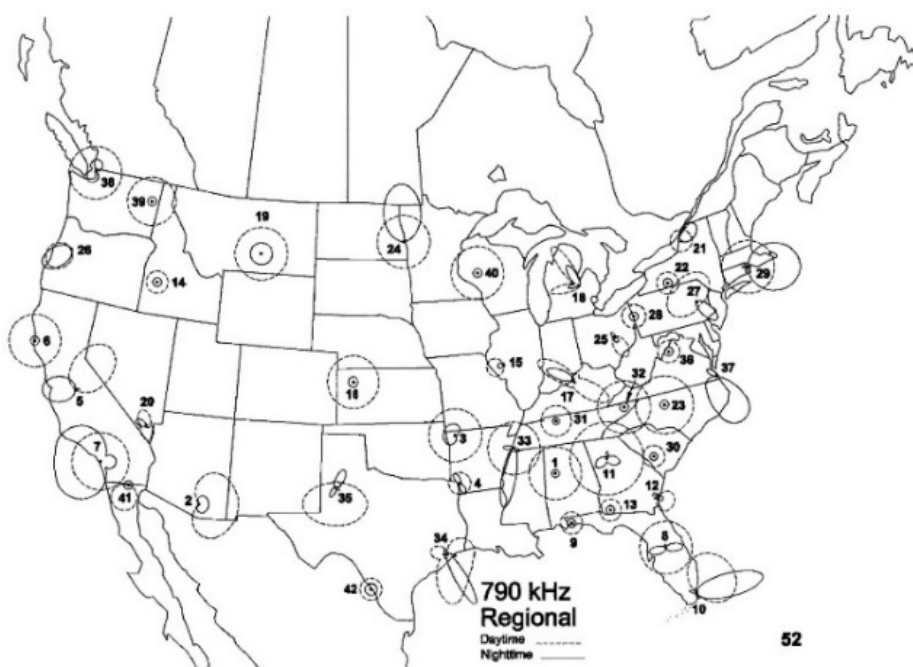


NRC Antenna Pattern Book 8th Edition

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.



Unreported Domestic Stations

Three new stations were reported to DDXD this issue for the first time since at least Volume 67 (1999-2000), all graveyarders: WTYS-1340, WLDY-1340, and WMOA-1490. In addition, WQBC-1420 which is now defunct was also on our list, and it's sadly no longer a target. This leaves only 280 full-power AM stations in the United States and Canada that have not been reported to DDXD during this time. The full list was printed in the last issue. Can you log and report one for next time?

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

- 531 unID SEP 23 0601 – Het with usual mix of Cuban stations but could not determine if it was coming from 529 or 531 kHz. Only heard a couple of times before, around the same time of night, and does not appear to be local RFI. [Pearkins-AB]
- 603 **SPAIN** RNE5 Palencia//Sevilla OCT 8 2300 – Good; servicios informativos parallel 576, 585, 639, 684, and 855 kHz. [Conti-NH]
- 639 **SPAIN** RNE1 La Coruña et al. OCT 9 0000 – Good; servicios informativos, parallel 558, 585, 774, 855 kHz. [Conti-NH]
- 702 **IRAN** VOIRI Kiashahr OCT 11 0000 – Fair; choral national anthem. [Conti-NH]
- 837 **IRAN** IRIB R.Isfahan, Habibabad OCT 9 0100 – Over Spain; male choral music typical of Iran. [Conti-NH]
- 1089 **UNITED KINGDOM** TalkSport synchros OCT 8 2258 – Good; promo, "TalkSport Breakfast, every weekday morning from 6," into ad string. [Conti-NH]
- 1152 **ROMANIA** R.România Actualitati, Cluj OCT 9 0158 – Over Spain; choral national anthem, hora exacta and time marker into news on the hour. The strongest and most consistently received from Romania. [Conti-NH]
- 1215 **UNITED KINGDOM** Absolute Radio synchros OCT 9 0200 – Good, with synchro echo; end of long ad string, Absolute Radio sounder, "This is Absolute Radio, where real music matters," and 3 o'clock time check into "My Favourite Game" by The Cardigans. [Conti-NH]
- 1332 **ROMANIA** R.România Actualitati, Galati OCT 9 0158 – Poor, over unID; choral national anthem, parallel 1152 kHz. [Conti-NH]
- 1413 **SPAIN** RNE5 synchros OCT 9 0000 – Poor; time marker and servicios informativos. Another set of time pips heard 8 seconds later, maybe BBC Oman. [Conti-NH]
- 1521 **SAUDI ARABIA** SBC R.Riyadh, Duba OCT 8 2229 – Good; a woman was speaking and sounded upset, then the diatribe seemed to be abruptly cut off, and carrier off at 2230 UTC. [Conti-NH]

Transatlantic carrier search: SEP 28 0546 – Only a few much weaker than usual; 684, 711, 747(2), 774, 837, 846(TP), 891, 1125(2) kHz. Degraded propagation; WWV reported solar flux 74 and estimated planetary A-index 24, estimated planetary K-index SEP 28 0600 was 5, space weather for the past 24 hours moderate, geomagnetic storms reaching the G2 level occurred. SEP 29 0629 – 621, 711, 774, 837, 846(TP), 882 kHz. Propagation remained degraded; K-index still 3 at 0600 after G1 storms with G2s predicted. SEP 30 0609 – 621, 684, 774, 846(TP), 936, 1017(2), 1125, 1503 kHz. OCT 1 0614 – 612, 684, 774, 837, 846(TP), 882(2), 1044, 1107(2), 1152, 1305(2) kHz. OCT 2 0547-0551 – 585, 621, 684(2), 711, 774, 837, *855(2), 891, 999, 1044, 1098, 1107 kHz. OCT 4 0629 – Cursory search finds significant signals on 684 and 837 kHz, most likely Spain. OCT 10 0629 – 531, 549, 558, 585, 603, 612, 621, 684(2), 711, 774(2), 837, 846(TP), 855(2), 882, 909, 1098, 1125, 1215 kHz. OCT 11 0047 – This time not a thorough search in 9-kHz steps, but obvious hets upon 10-kHz stations; 621, 711, 891 kHz. [Hauser-OK]

PAN-AMERICAN DX

- 530 **CUBA** R.Enciclopedia, La Habana-Villa María SEP 30 0625-0705 – Poor, mixing briefly at times with more dominant R.Rebelde; a mix of easy listening instrumental music with a female host. Parallel stream. 10 kW at 2,186 miles. [Battaglino-CA]
- 530 **CUBA** R.Rebelde, Caribe//Guantánamo-Antiguo SEP 30 0625-0705 – Poor with some fair peaks with a mix of uptempo Latin music and a male host. Signal, while weak at times, was fairly steady. Parallel stream. 1 kW at 2,681 miles. [Battaglino-CA]
- 539.86 **NICARAGUA** R.Corporación, Managua OCT 11 0040 – Het upon 540 stations. Nicaragua has been reported off-minus; mwoffsets shows 539.860 kHz. XEWA San Lu is Potosí is listed at 539.973 kHz. XEWA does make a fast SAH with 540.0 stations, but this het was further off below. [Hauser-OK]
- 600 **COLOMBIA** HJHJ R.Libertad, Barranquilla OCT 6 2329 – Three or four stations mixing, atop is R.Rebelde Cuba with music parallel distorted 5025 kHz. But HJHJ is gaining, 2342 plug for its



newspaper owner Diario La Libertad, and full ID accompanied by Gershwin's Rhapsody in Blue. 2343 starts a pusher of alternative medicine with his local address. 2359 full ID again with Gershwin, disclaimer, and opening Voz de América relay for Venezuela at 0000. If there be any deliberate jamming by a sudden new YV station on 600, I can't make it out. [Hauser-BES]

- 700 **MEXICO** XEDKR Guadalajara, Jal. SEP 29 0912-0941 – Fair with some good peaks under nulled KALL and KMBX. Steady stream of rock/pop tunes: Sail Away by Enya, All the Young Dudes by Mott the Hoople, Duran Duran, Seal and George Michael. Parallel stream. Newly revised IRCA Mexican Log with updated web links was a huge help. Listed at 150 watts nights (which I doubt they were actually running) at 1,211 miles. [Battagliano-CA]
- 720 **MEXICO** XEJCC Cd. Juárez, Chih. OCT 2 1210 – Open carrier with slow SAH of 184/minute = 3.07 Hz. Comes to life with Mexican national anthem, choral until 1215, "Vd. escucha: El Fonógrafo 720 – mil vatios – Ciudad Juárez." Maybe also mentioned call but not positive. Then follow a string of mandatory PSA's mostly governmental, except for one promoting a web station-only, apparently, "Radio STIRTT, La Voz de los Juarenses." Fonógrafo slogan ID again and fading down. Searching finds *Radio STIRTT* at www.radiostirtt.org.mx. Ahh, the Mexicans love their cumbersome acronyms, initialisms! This means Sindicato de Trabajadores de la Industria de la Radio, la Televisión y Telecomunicaciones, i.e. a labor union. 711.27v and 728.73v kHz, two matching wobbly spurs making exactly same-pitched hets against other Mexicans on 710 and 730, are what first drew me to 720, since that would be the transmitter producing them exactly halfway between. This was first at 1208 UTC. Once modulating, late sign-on(?) from 1210 UTC, 720 itself sounds OK. The spurs remain but by 1222 they are both gone, while 720 is back up with song in Spanish, talk, and not fading out until 1226. LSR Enid today is 1228 UTC. There has been no other significant signal on 720 which could have been source of spurs, but the disparity in disappearances detracts from 100% certainty. Maybe XEJCC transmitter was tweaked in the meantime, or lost them once warmed up? By the way, at 1226 the other Chihuahuans, 710 XEDP and 730 XEHB are still in. [Hauser-OK]
- 870 **MEXICO** XETAR Guachochi, Chih. OCT 5 1228 – Announcements is Spanish and local languages; call letter ID's with brief flute and fiddle music between announcements. Fair with fading. [Wilkins-CO]
- 970 **MEXICO** XEJ Cd. Juárez, Chih. OCT 3 1228 – Pop vocals, MDT time checks; ID at 1233: "La Jota Mexicana XEJ Grupo Radio Mexico," and back to music. Fair at best. [Wilkins-CO]
- 1620 **CUBA** *R.Rebelde*, La Habana-El Sapo//Amancio//El Coco//Guantánamo-Antiguo SEP 24 0720 – Fading in and out with KYIZ nulled, sounding just like Spanish voice heard at the same time under 530 *R.Enciclopedia*. Not heard in previous DX seasons. [Pearkins-AB]



TRANS-PACIFIC DX

- 747 **JAPAN** JOIB, NHK2, Sapporo SEP 17 1208 – Usual English language lesson; noted the useful phrases "I don't like lemons because they are sour" and "I have good news and bad news – which do you want first?" Fair peaks on LSB parallel 774 kHz. [Wilkins-CO] OCT 5 1123 – Japanese talk, not as good signal as 774 JOUB, by readable speech. Relog. [Niven-TX] OCT 11 1000 – Presumed; s3 signal not enough to produce audio. Presumed JOAB weaker signal observed at 693 kHz. [Conti-NH]
- 774 **JAPAN** JOUB, NHK2, Akita OCT 5 1128 – Japanese talk between male and female, talks about America. This is the best I have heard them, every word at readable level. Other frequencies noted were 693, 747, 828, 954, 972, 1143, 1287, and 1566, but not as good as 774 kHz. Relog. [Niven-TX]
- 828 **JAPAN** JOBB, NHK2, Osaka SEP 16 1227 – English language lesson in progress. Just occasional bits of audio heard parallel 747 and 774 kHz. [Wilkins-CO] OCT 5 1107 – Japanese talk between male and female, not as good as JOUB, but words were readable. Relog. [Niven-TX]
- 846 **KIRIBATI** *R.Kiribati*, London, Christmas Island OCT 6 0634 – No signal on 846, nor has there been lately, from presumed Kiritimati south of Hawaii; off the air? Bryan Clark, NZRDXL, reported sign on/off SEP 8 0500 when carrier appeared abruptly confirming evening sign on, audio evident by 0520, and SEP 10 closed 0943 UTC. OCT 7 0603 – About to do TA search, but start on 846 where there is a carrier generally stronger than the others and thus well-presumed as Kiritimati back on the air from south of Hawaii. The only TP instead of TA at this time, a sesquihour after its sunset. [Hauser-OK]

972 **SOUTH KOREA** HLCA Dangjin OCT 5 1138 – Korean but pretty weak signal and much splash from 970 kHz. By 1206 signal improved some but readable level. New. [Niven-TX]
Transpacific carrier search: OCT 2 1158 – On the east-west long wire so no DF'ing; 585, 747(2 with a fast beat), 774(2 with a slow beat), 1035(2), 1098 kHz. Enid LSR today not until 1228 UTC. [Hauser-OK]

CONTRIBUTORS

Stephanie Battaglino, Palm Desert CA; Perseus with Jaguar Pro, Wellbrook ALA 1530 LNP mounted on a Hy-Gain AR-500 rotor at 22 ft, RPA-2 Preamp, ANC-4 Noise Canceller.

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.

Glenn Hauser, Kralendijk, Bonaire; Kiwi SDR, W6LVP Loop.

James Niven, Cedar Creek TX; Elad S2, Perseus SDR, and Drake R8B, with D-Kaz antennas at 60°, 120°, and 310°.

Jon Pearkins, Edmonton AB; Sangean PR-D15 and HDR-18 barefoot.

John Wilkins, Wheat Ridge CO; Drake R8, 4-foot box loop.

INTERNATIONAL NEWS

ALGERIA: The Polisario Front clandestine station in Rabouni on **1550 kHz** has been reactivated. Observed on October 9 at 2150 UTC with Arabic talk, announcements and news. [Carlos Gonçalves, mediumwave.info]

73 and Good DX!



Musings of the Members

Dave Schmidt, 49 N. Sumner Street, York PA 17404, NRCMusings@aol.com

Wayne Heinen – Aurora CO

I've made it through two full days of tapes, September 4 and 5. As I write, my log stands at 208 for the season so far. Nothing exciting only a few that have been heard this season that somehow escaped last season, notably CJCA-930 Edmonton AB, KRSV-1220 Aston WY, KYVA-1230 Gallup NM, KTFI-1270 Twin Falls ID, and KCSF 1300 Colorado Springs CO. KCSF-1300 required the use of my Drake R8B to handle the front end overload that occurs when daytime DX'ing with the RSP2Pro. It doesn't help to have KMXA-1090 running 50 kW daytime 6 miles away and KOA-850 running 50kW fulltime 10 miles away! I'll need to do some extensive daytime band scans with the R8B and utilize my new tool, a WA1ION Quantum Phasor, to see how many more semi locals I can add to this year's log over last years. The phasor was built by a ham who is a non NRC member who lives in Alabama. It has a built in LNA (Low Noise Amplifier) and some very solid phasing circuitry. I have tried phasing with my Flags antennas and hopefully will get a decent vertical up in addition to using it against my amateur multiband dipole. I have a Pixel Technologies (now defunct) RF PRO-1B MLA (Magnetic Loop Antenna) sitting in the garage. I got it dirt cheap over the summer from a local ham after the amplifier head was destroyed by a lightning strike. It looks similar to a Wellbrook Active Loop Antenna ALA1530LN. I have a LNA (purchased from the same ham) ready to mount in a box and hope to get that operational before winter sets in. I may need to get some ham friends to assist me with my projects, as I'm still in PT for my right shoulder; soldering and other construction activities are marginal at best. Hope everyone survives whatever will substitute for Halloween this year! 73 'til then

Can NRC members really be all out of comments and opinions about this great hobby of ours? Send Dave a Musing at the addresses above – or e-mail one directly to the publisher at NRCDXNews@gmail.com. Tell us who you are, what you're up to, what's new in your DX world. Opinions are great – as long as they're about radio and DX. Let's hear from you for the next issue!



DX Toolbox

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

Greetings once again from the Heart of the Continent and welcome to the DX Tool Box Column number 129.

Pre COVID-19 and Amazon delivery of a radio in Canada:

Bits and Bites from the NRC listserve

From: Mark Connelly, WA1ION | South Yarmouth, MA

Re: Updated audio clips

I have updated my links page for year 2020 DX audio clips.

URL is: https://www.qsl.net/wa1ion/doc1/audio_2020.htm

Unlike ones for previous years, extensive reception details are not included on the page as the audio clip contents tend to explain themselves. Some details may or may not be added later pending available time and interest.

Page updates (log additions) are expected to be done roughly every 1-2 months.

As always, any comments and corrections are welcome at the email indicated at the bottom of the links page.

From: Paul B. Walker, Jr.

Re: My big AM DX loop antenna

There's certain things I'm comfortable with doing and certain things I'm a bit timid about when it comes to electronics and antennas. I can't solder or add connectors on to things that aren't already there but I can build when I've got complete pieces.

I've had a few people over the years inspire me, give me ideas and push me in the right direction. Since I've had a few questions over the years about my 25 foot long by 10 foot tall magnetic loop antenna, I thought I'd share this video since we're getting towards AM DX season again. This is a detailed, 10 plus minute narrated video on how my antenna is built, how it's set up and how I use it. It's done with the Paul walker aim of... building it with parts anyone anywhere can get and anyone, even as non handy and impatient as I am can build. If I can do this... anyone can.

<https://youtu.be/ICHNlcLhAKE>

From: Mark Connelly, WA1ION | South Yarmouth, MA

Re: My big AM DX loop antenna

Great video presentation Paul. The info about the various commercial pieces should be valuable to many. For specifically MW operation you might have been able to get away with a 1:1 balun transformer and the common mode choke being outdoors and maybe everything else indoors. But maybe not. Thanks for providing this.

From: Paul B. Walker, Jr.

Re: My big AM DX loop antenna

I didn't have room for stuff indoors in a way that would've made sense and not introduced more noise with longer cable runs... I try to do this in a way anyone can but also keep noise to a minimum.

From: Mark Connelly, WA1ION | South Yarmouth, MA

Re: My big AM DX loop antenna

Besides my larger terminated (cardioid pattern) loops, I have a 5.5 x 8.2 ft. bidirectional broadband loop mounted on a wooden fence. I use this if I disconnect the big antennas when lightning is forecast.

The center of the bottom wire is fitted with 1:2 (step-up) transformer = 5 turns antenna side, 7 turns feed line side, #73 binocular core. The feed line is speaker wire, i.e. balanced, approximately 75 ft. to the window. Just inside the window I have a 2:1 step-down transformer = 7 turns feed line, 5 turns to a BNC jack to connect a short run (≤ 10 ft.) of coaxial cable.

The other end of the coaxial cable goes to a DX Engineering RPA-2 amplifier en route to the receiver or phasing unit. A W7IUV amplifier could be used in place of the RPA-2. You want at least 16 dB of gain. To a point more gain is better (as long as amp noise and IMD/spurs stay low).

Sensitivity using the RPA-2 seems adequate for night time DX operation. The beauty of the set-up is that DX'ing can be done indoors away from bad weather, insect pests, etc. The components that are outdoors do not add up to much money if they become damaged.



If the set-up works with a loop 5.5 ft. tall by 8.2 ft. across, the one you have that is 10 x 25 ft. should do better. I'd go with a 1:1 transformer (e.g. 6 turns : 6 turns) from antenna to speaker wire feed line at that loop size; still 2:1 step-down at the house end. The use of the balanced line with transformers on each end helps to reduce noise pick-up. Not to say that injecting one or more common mode chokes along the feed line wouldn't help additionally. Lankford's articles have a design for a common mode choke used with a balanced feed line. If you deploy one or two of those, you still don't have expensive failure-prone parts out in the weather. Just a thought.

From: Bill Whitacre

Re: DXPeditions

While most of us are stuck at home during COVID it seemed like a good time to clean up and consolidate some reference web pages. This link is a single webpage resource for DX'peditions I've done to Grayland, WA, Lubec, ME and the northern neck of VA. <http://realmonitor.com/dxp/>

From: Bill Whitacre

Re: QSLs

Martin Foltz's message about QSLs the other day got me to thinking. My dad was the CE for WILS for many years and I used to thumb through his file of QSL reports when I was very young. It's part of what got me into the hobby. I haven't collected QSLs in a long time but 'in my day' I had a few ... and some years ago I scanned some. All of these are for reception in Lansing, Michigan back in the 1970's except the last link which is for a few shortwave QSLs from Dallas, Texas - 1980-82.

<http://voa.his.com/qs1/mw/canada/>

<http://voa.his.com/qs1/mw/us/>

<http://voa.his.com/qs1/mw/other/>

<http://voa.his.com/qs1/sw/>

From: Rick Dau

Re: QSLs

An interesting collection of QSLs, Bill! WMUS was still using the same letterhead in 1993 when I received a Verie for their DX test from February of that year.

From: James Niven

Re: My Antenna Farm

I put together this PowerPoint presentation showing my DKAZ antenna farm, I thought others may find it interesting.....

The DKAZ is very directional and has good gain. It seems the file is too big for the email list, download from here.

<https://www.dropbox.com/s/34wy047ubli2ru2/dkaz%20antennas.pptx?dl=0>

From: Les Rayburn, N1LF

Re: Noise from an Unexpected Source

Inspired by recent attempts to lower noise levels on AM, I decided Saturday to tackle problems with noise in both the shack, and on the other end of the house with my bedside portable.

The bedside portable, a Sangean PR-D5 has been plagued for over a year with a wideband RF noise across the AM band and also a periodic "pop" sound about every thirty seconds.

Began the testing by shutting off breakers to each room in the house, starting with the master bedroom. Nothing I did seemed to eliminate either noise.

Finally, I flipped the main breaker to the entire house. The noise and "pop" were still present. Next I took a second portable radio and went outside the home, looking all around the master bedroom to see if the noise might be coming from nearby neighbors. But could not detect it outside the house.

Returning to the bedroom, I reasoned that the source of the noise must be battery powered. Started eliminating backup batteries from alarm clocks, weather radio, etc. looking for the source.

Finally opened the drawer on my nightstand and removed the batteries from two TV remote controls. **The culprit turned out to be the remote control for my 4K Roku.** I was amazed to find that the remote output wideband noise that could be picked up to distances of 25-30 feet. The "pop" transmission could be picked up even further.

Lesson learned. Noise doesn't always come from AC powered devices. Battery powered devices can also contaminate the ether.

I removed the batteries from the remote, and will replace them only when I need the remote. Enjoyed some late night DX'ing last night with a much quieter noise floor.

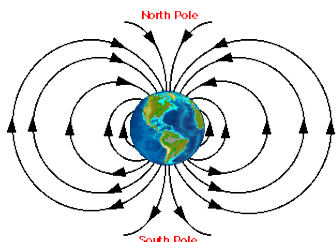
From: Russ Edmunds

Re: Updated and Expanded Time Pips Catalogue

We have recently completed a major revision and update of this document. This includes the addition of a sheet for Asian stations (excluding those in the Middle East which were included in the prior versions.) As additional updates or changes are received, we will issue subsequent versions. This catalog is available for download at www.radiodxing.com/TimePipsCatalog.xlsx

73 for this time, Shawn.

Remember On A Clear Day You Can Hear Forever



Geomagnetic Indices

Geomagnetic Summary September 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 | Date | Flux | A | K | Space Weather |
|------|------|----|---|---------------|------|-----------|-----------|----------|---------------------|
| 9/ 1 | 70 | 16 | 3 | no storms | 16 | 70 | 3 | 0 | no storms |
| 2 | 68 | 9 | 1 | no storms | 17 | 70 | 4 | 1 | no storms |
| 3 | 70 | 4 | 2 | no storms | 18 | 70 | 5 | 0 | no storms |
| 4 | 70 | 8 | 1 | no storms | 19 | 71 | 3 | 0 | no storms |
| 5 | 69 | 6 | 0 | no storms | 20 | 70 | 4 | 2 | no storms |
| 6 | 70 | 4 | 1 | no storms | 21 | 71 | 3 | 1 | no storms |
| 7 | 70 | 4 | 0 | no storms | 22 | 72 | 6 | 1 | no storms |
| 8 | 70 | 4 | 0 | no storms | 23 | 73 | 11 | 3 | no storms |
| 9 | 70 | 1 | 0 | no storms | 24 | 74 | 19 | 1 | minor, G1 |
| 10 | 69 | 2 | 1 | no storms | 25 | 73 | 20 | 4 | minor, G1 |
| 11 | 69 | 3 | 1 | no storms | 26 | 73 | 26 | 3 | minor, G1 |
| 12 | 69 | 5 | 1 | no storms | 27 | 74 | 24 | 6 | moderate, G2 |
| 13 | 70 | 6 | 3 | no storms | 28 | 74 | 33 | 5 | minor, G1 |
| 14 | 69 | 11 | 2 | no storms | 29 | 73 | 16 | 3 | no storms |
| 15 | 69 | 7 | 1 | no storms | 9/30 | 73 | 15 | 3 | 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/>

IRCA Publications Available

IRCA Slogans List (July 2020) – The 2020 Slogans List includes radio slogans from the US and Canada (over 4600) as gleaned from various DX publications and monitoring. The 2020 IRCA Slogans List is posted on the IRCA website for all to download.

Click on this link: https://www.ircaonline.org/editor_upload/File/2020_IRCA_Slogans.pdf

IRCA Mexican Log, 23rd Edition (Fall 2020) – The IRCA MEXICAN LOG lists all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, formats, networks and notes. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call and day/night power. The transmitter site index (listed by state, then city) tabulates the latitude and longitude of transmitter sites. Also, in this edition, there is a spread sheet with links to web sites, live broadcasts and Facebook page of many of the Mexican stations. This is an indispensable reference for anyone who hears Mexican radio stations. The 2020 Mexican Log .pdf is posted on the IRCA website for all to download.

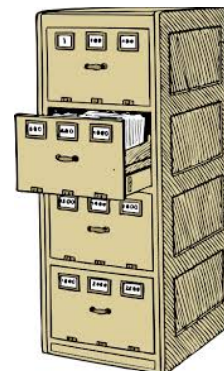
Click here: https://www.ircaonline.org/editor_upload/File/2020-21_IRCA_Mexican_Log.pdf

IRCA TIS/HAR LIST (Summer 2020) – The IRCA TIS/HAR LIST lists all US and Canadian TIS/HAR stations, by frequency, including call letters, state (province,) city, county, licensee, address, coordinates, expiration date and dates of DXM/DXN reports/sources. It has been updated with FCC data, DXM, DXN and DXer reports, and on-line listings through June 2020. The 2020 IRCA TIS/HAR LIST is posted on the IRCA website for all to download.

The link is: http://www.ircaonline.org/editor_upload/File/TIS_2020.pdf

From the *DX News* archives

75 Years Ago – From the October 20, 1945 issue of *DX News*: “A plan for the elimination of conflict in the arrangement of courtesy program[s] is being considered and the cooperation of all the Clubs is hoped for. To date the NNRC-VRC and NRC are creating a committee from each to get together and try to work out a plan that will be suitable to all. Up to date nothing has been heard as to whether the URDXC intends to cooperate or not. It is hoped they will.” David Thomas in Proctorville, Ohio reported receiving “a beautiful verification from ZJW (Jerusalem) for 2 receptions on 668 kcs.”



50 Years Ago – From the October 10, 1970 issue of *DX News*: Jay Hurley of Newport Beach CA published an article, “Trans-Pacific Reception Exists,” explaining how TP stations can be heard in the eastern part of North America. He recommended checking for Alaskan stations first; if they are coming in well, try for Japan, China, Ryuku (the VOA station on 1178), the USSR, North Korea, and South Korea, in that order of difficulty. Gordon Nelson responded, pointing out that Boston to Pyongyang is 6750 miles, more than 1000 miles farther than Baghdad (the easternmost TA station heard there with regularity) and comparable to East Africa or Central Asia. Moreover, the auroral region is irregularly shaped and the Great Circle path from East Asia to the northeast U.S. almost always passes through it. WMCA-570 New York planned to switch to an all-talk format, becoming the first station in the United States to program telephone calls from listeners almost fulltime. WMCA will also take over New York Yankees broadcasts from WHN-1050 in 1971.

25 Years Ago – From the October 16, 1995 issue of *DX News*: HCJB-690 Quito, Ecuador plans monthly DX tests for the next year. Mark Connelly reviewed a new remote-controlled antenna termination device developed by Steve Byan (he liked it) and the JPS ANC-4 antenna noise canceller (he didn't like it, at least as a device for phasing pest stations rather than noise).

10 Years Ago – From the October 18, 2010 issue of *DX News*: CHSC-1220 Saint Catharines ON left the air after losing its appeal of its license cancellation by the CRTC; the CRTC found the station had engaged in repeated noncompliance with its licensee obligations, including service to the Italian-speaking community in the Greater Toronto Area rather than Saint Catharines, its city of license. WGHT-1500 Pompton Lakes NJ unsuccessfully tried to get an FM translator to rebroadcast its daytime-only signal.

All *DX News* editions from Volume 1 Issue 12 through Volume **86** are now available free to the public at the NRC web site: <http://nationalradioclub.org/DXNs/index.html>.

Jim Bohannon Station List

Via <https://www.jimbohannonshow.com/station-finder/> (Oct. 12, 2020). Thanks to Bill Hale for the link. All times **local** for the station, Monday-Friday nights (or Tuesday-Saturday mornings).

| | | | | | | | | |
|-----|---------|-----------|---------|-----------|-----------|---------|-----------|-----------|
| 550 | WDUN-GA | 2200-0100 | WTNY-NY | 2200-0100 | 960 | KMA-IA | 2100-2400 | |
| | KTRS-MO | 0000-0400 | WPIC-PA | 2200-0400 | | KNEB-NE | 2000-2300 | |
| 560 | KWTO-MO | 2100-2400 | WAMM-VA | 0000-0300 | 970 | WDAY-ND | 2200-0100 | |
| 570 | KLIF-TX | 2300-0200 | 800 | WLAD-CT | 2200-0100 | WATH-OH | 2200-0100 | |
| 580 | KUBC-CO | 2000-2300 | | KREI-MO | 2100-2400 | 980 | KSVC-UT | 0300-0500 |
| | WCHS-WV | 2200-0100 | 830 | WCRN-MA | 2200-0100 | 1010 | WCSI-IN | 2200-0100 |
| 600 | WRQX-OH | 2300-0100 | | WEEU-PA | 2200-0100 | | WMOX-MS | 2100-2400 |
| | KTBB-TX | 2300-2400 | 860 | KNUJ-MN | 2100-2400 | 1020 | KVNT-AK | 1900-2200 |
| 610 | KONA-WA | 1900-2200 | | WEVA-VA | 2200-0100 | | KDKA-PA | 2200-0100 |
| 620 | WVMT-VT | 2200-0100 | 900 | WSWN-FL | 2200-0100 | 1030 | WOSO-PR | 2300-0100 |
| 640 | WFNC-NC | 2200-0100 | 910 | KLCN-AR | 0000-0300 | 1050 | WLIP-WI | 2100-2400 |
| 650 | KSTE-CA | 0300-0600 | | WJCW-TN | 2300-0200 | 1060 | WIXC-FL | 2200-0100 |
| 660 | KEYZ-ND | 2100-2400 | | WFJX-VA | 2200-0100 | | WRHL-IL | 2100-2400 |
| 680 | WRKO-MA | 2200-0100 | 930 | WTAD-IL | 2200-0100 | 1080 | KWAI-HI | 2100-2300 |
| | WDBC-MI | 2200-0100 | | WKCT-KY | 2100-2400 | 1090 | WCRA-IL | 2100-2400 |
| | KFEQ-MO | 2200-0100 | | WFMD-MD | 2200-0100 | | KBOZ-MT | 0200-0300 |
| 690 | KGGF-KS | 2100-2400 | | WEOL-OH | 2200-0400 | 1140 | KSOO-SD | 2100-2400 |
| 730 | WWTK-FL | 2200-0100 | | KSDN-SD | 2100-2400 | 1150 | WDEL-DE | 2300-0100 |
| | KLOE-KS | 2000-2200 | | KROE-WY | 2100-2300 | | KCPS-IA | 2200-0100 |
| | KYYA-MT | 2000-2300 | 940 | WMIX-IL | 2100-2400 | | KRMS-MO | 2100-2400 |
| 740 | WRNR-WV | 2200-0100 | | WFAW-WI | 2100-2400 | | KIMM-SD | 2000-2300 |
| 760 | KDFD-CO | 2000-2300 | 950 | KXJK-AR | 2200-0100 | 1160 | KSL-UT | 0000-0300 |
| 790 | WSGW-MI | 2200-0100 | | KOZE-ID | 2000-2200 | 1180 | KOFI-MT | 2000-2300 |

| | | | | | | | | |
|------|---------|-----------|------|---------|-----------|-------|------------|-----------|
| | KLAY-WA | 1900-2200 | | KHUB-NE | 2200-0100 | | WZKOE-IL | 2100-2200 |
| 1200 | WKST-PA | 2200-0100 | | WMSA-NY | 2200-0100 | | WCLU-KY | 2100-2400 |
| 1230 | KSZL-CA | 2200-0100 | | KBNW-OR | 0000-0300 | | WABJ-MI | 0000-0400 |
| | KPRL-CA | 0200-0500 | | WQSC-SC | 2200-0100 | | KXRA-MN | 2100-2400 |
| | WHIR-KY | 0000-0300 | | WGRV-TN | 2200-0100 | | WVBG-MS | 2200-0100 |
| | WHOP-KY | 2100-2400 | | KWKC-TX | 2100-2400 | | KTTR-MO | 2100-2400 |
| | KMRS-MN | 2100-2400 | 1350 | KMAN-KS | 2100-2400 | | WEMJ-NH | 2200-0100 |
| | KTRF-MN | 2200-2400 | 1360 | KRWC-MN | 2100-2400 | | WUVR-NH | 2200-0100 |
| | KWNO-MN | 2100-2400 | | KELE-MO | 2100-2400 | | KRUI-NM | 2000-2300 |
| | KWIX-MO | 2100-2400 | | WCHL-NC | 2200-0100 | | WMRN-OH | 2200-0100 |
| | WTIV-PA | 2200-0100 | 1370 | KXTL-MT | 2000-2300 | | KBKR-OR | 1900-2200 |
| | WCLO-WI | 2100-2400 | | KAST-OR | 1900-2200 | | WNTJ-PA | 2200-0100 |
| 1240 | WBCF-AL | 0000-0300 | | WVLY-WV | 0100-0500 | | WMGW-PA | 2200-0100 |
| | KSUE-CA | 2000-2200 | 1380 | KOSS-CA | 0100-0400 | | KORN-SD | 2100-2400 |
| | KDGO-CO | 2000-2300 | | WSYB-VT | 2200-0100 | | KUGR-WY | 2000-2300 |
| | WFOY-FL | 2200-0100 | 1390 | WBLI-OH | 2200-0100 | 1500 | WFED-DC | 2200-0100 |
| | WSDR-IL | 2200-0100 | 1400 | WILI-CT | 2200-0100 | 1520 | WHOW-IL | 2100-2400 |
| | KIUL-KS | 2100-2400 | | KSPT-ID | 1900-2200 | 1530 | WENG-FL | 2200-0100 |
| | WIAN-MI | 2200-0100 | | WDWS-IL | 2100-2400 | | WCTR-MD | 2200-0100 |
| | KLIK-MO | 2100-2400 | | WGIL-IL | 2100-2400 | 1540 | KXEL-IA | 2100-2200 |
| | KFOR-NE | 2100-2400 | | WBAT-IN | 2200-0100 | 1550 | WJIL-IL | 2100-2400 |
| | KODY-NE | 2100-2400 | | KVOE-KS | 2100-2400 | | KAPE-MO | 0000-0300 |
| | WGVA-NY | 2200-0100 | | WSJM-MI | 2200-0100 | 1570 | WTAY-IL | 2100-2400 |
| | WJTN-NY | 2200-0100 | | KJFF-MO | 2200-0100 | 1580 | KGAL-OR | 1900-2200 |
| | WSQL-NC | 2200-0100 | | WOND-NJ | 2200-0100 | 1590 | KVTA-CA | 2000-2200 |
| | WJNC-NC | 2200-0100 | | WSLB-NY | 2200-0100 | | WPSL-FL | 2200-0100 |
| | KQEN-OR | 1900-2200 | | WINC-VA | 2200-0100 | | KVGB-KS | 2100-2400 |
| 1250 | WRAY-IN | 2200-2400 | | WRON-WV | 2200-0100 | | WAUB-NY | 2200-0100 |
| | KBRF-MN | 2100-2400 | 1410 | WCMT-TN | 2100-2400 | 1600 | WATX-TN | 2100-2400 |
| 1260 | KDUZ-MN | 2100-2400 | | WIZM-WI | 2100-2400 | 1690 | WPTX-MD | 2200-0100 |
| | KPOW-WY | 2000-2300 | 1420 | WINI-IL | 2100-2400 | | | |
| 1270 | WCBC-MD | 2200-0100 | | WBSM-MA | 2200-0100 | 92.3 | KTAR-FM-AZ | 2100-2300 |
| | KLXX-ND | 2100-2400 | | WCED-PA | 2200-0100 | | KSAR-MO | 2100-2400 |
| | KINN-NM | 2100-2400 | | KPIR-TX | 2100-2400 | 92.5 | WNKZ-FM-MD | 22-01 |
| | WLBR-PA | 2200-0100 | 1430 | KASI-IA | 2100-2400 | 93.5 | WPHH-AL | 2200-2400 |
| 1280 | KYRO-MO | 0000-0300 | | WCMY-IL | 2100-2400 | 94.3 | WMKR-F3-IL | 2100-2400 |
| 1290 | KOIL-NE | 0100-0400 | | KRGI-NE | 2200-2400 | 94.9 | WSJM-FM-MI | 2200-0100 |
| | KUMA-OR | 2200-0100 | | WBEV-WI | 0000-0300 | 96.3 | KSCS-F2-TX | 2300-0100 |
| | WFBG-PA | 2200-0100 | 1440 | WHKZ-OH | 2200-0100 | 97.5 | KTBB-FM-TX | 2300-2400 |
| 1300 | WMEL-FL | 2200-0100 | | WNPV-PA | 2200-0400 | 98.9 | WGUF-FL | 2300-0100 |
| | WFFG-FL | 2300-0200 | 1450 | WTKI-AL | 2100-2400 | 99.1 | KMA-FM-IA | 2100-2400 |
| | WMTM-GA | 2200-0100 | | WWJB-FL | 2200-0100 | 99.3 | KPBA-AR | 2200-0100 |
| | KACI-OR | 2000-2200 | | KBFI-ID | 1900-2200 | 99.5 | WRNN-FM-SC | 22-01 |
| | WWCH-PA | 2200-0100 | | WKEL-IL | 2100-2400 | 99.7 | KTTR-FM-MO | 0300-0600 |
| 1310 | KOKX-IA | 2100-2400 | | WAOV-IN | 2300-0100 | | WNTK-FM-NH | 22-01 |
| | WLOB-ME | 2200-0100 | | KNSI-MN | 2100-2400 | 100.1 | WNIR-OH | 2300-0300 |
| | KNOX-ND | 2300-0100 | | KQDI-MT | 2000-2300 | 100.5 | KMXD-UT | 0300-0500 |
| | KNPT-OR | 1900-2200 | | KLBM-OR | 1900-2200 | 101.7 | WDEL-FM-NJ | 2300-0100 |
| 1320 | WKAN-IL | 2100-2200 | | WFRA-PA | 2200-0100 | 102.3 | KJJJ-F2-NV | 2200-0100 |
| | WDMJ-MI | 2200-0100 | | WCRS-SC | 2200-0100 | 102.7 | KSL-FM-UT | 0000-0300 |
| 1340 | WTAN-FL | 2200-0100 | | WSNO-VT | 2200-0100 | 102.9 | WDUN-FM-GA | 22-01 |
| | WSOY-IL | 2100-2400 | | KONP-WA | 0200-0500 | 103.9 | WRCN-FM-NY | 22-01 |
| | WBIW-IN | 2200-0100 | | KFIZ-WI | 2200-0100 | 105.7 | WZTK-MI | 2200-0100 |
| | WEKY-KY | 2200-0100 | 1470 | KBSN-WA | 2300-0200 | 105.9 | WXDE-DE | 2200-0100 |
| | WBRK-MA | 2200-0100 | 1480 | KAUS-MN | 2100-2400 | 106.3 | KINS-FM-CA | 1900-2200 |
| | KVBR-MN | 2100-2400 | | WLEA-NY | 2200-0100 | 107.1 | WTKF-NC | 2200-0100 |
| | KDLM-MN | 2100-2400 | | WHBC-OH | 0200-0500 | 107.3 | WBRP-LA | 2100-2400 |
| | KROC-MN | 2100-2400 | 1490 | WEKI-AL | 2100-2400 | | | |
| | KWLM-MN | 2100-2400 | | KOWL-CA | 0200-0500 | | | |

Note from DY: I'm not sure how accurate this list is; some call changes from as far back as 2015 are not reflected in the online list (although I've made the changes here as best I can).

FCC Prepares to Vote on All-Digital AM Broadcasting

AM Swaps Noise and Static for Ones and Zeros

<https://radioink.com/2020/10/07/the-fcc-prepares-to-vote-on-all-digital-am/>

Radio Ink (Oct. 7, 2020)

(By Ben Downs) The FCC is expected to give AM Revitalization another tool for the competitive toolkit. In his Chairman's Blog on Monday, Chairman Pai revealed the next step in his work toward making the AM band the equal to its digital competitors. The October 27th Open Meeting includes a vote on a Report and Order in response to a proposal Bryan Broadcasting filed around Thanksgiving last year where we asked to FCC to approve authority for a full digital broadcast mode using the HD radio system.

The struggle is real and is faced by AM operators every day. The devices we rely on for information and entertainment create a toxic environment for AM broadcasting. Every smart phone charger is a tiny AM noise generator. Because we try to broadcast in this noisy environment, we find our choices in formats becoming ever more narrow as listeners have come to expect audio without the noise. The niche formats that work on AM keep getting smaller.

Building on the work done over the past two years by Dave Kolesar on Hubbard's digital WWFD and David Layer's NAB real world testing program, the FCC feels comfortable that they have another solution to offer AM stations that struggle in the marketplace. And unlike many of the rules, these changes are voluntary.

The AM all-digital system allows any AM station to deliver what today's audience expects. The sound is wide-band and stereo. Plus, the signal is listenable further in the fringes than the analog system it replaces. It comes complete with the ability to provide a dashboard experience with art, artist, title, as well as enhanced emergency messaging.

While most of us know manufacturers are slow to respond to AM radio problems, the solution is already in place and waiting for us to use. There are over sixty million HD radios that will pick up this new AM all-digital signal. Over half the new cars sold in 2020 include compatible AM HD radios in the dash. And that number grows daily.

Without a doubt the biggest and best thing to happen to small and medium market AM stations was the permitting of cross-band translators. It essentially allowed an AM operator to leave behind the limitations of the AM band for a much friendlier new home on FM.

Over 2800 AM operators took advantage of the FCC's offer to broadcast 24/7 on FM.

For the lucky ones that could cover their communities with 250 watts, that was enough. A companion station on the FM band could make those AM stations relevant again. Now, operators could compete format-to-format with FM stations.

But not everyone was so lucky.

Major market FM spectrum is tight and there isn't room for the translators. But the all-digital AM HD signal performs to a greater distance and remains clear and competitive in more awful RF conditions than we could ever expect from analog AM.

The price to pay for this new technology is the old analog signal. The all-digital is just that: digital. And that's why this new standard is a voluntary conversion.

But in a situation like WWFD, the station had lost its AM audience as listeners migrated to the FM translator. So it made sense to move to a music format with a station that was paired with a translator and an AM with a larger coverage area.

The change worked. Dave Kolesar reports that for the first time in years, the format on WWFD has shown up in the ratings.

Something Dave said at one of his many presentations has stuck with me as I considered my own AM stations. He asked, "Would you rather take a chance competing with 30% receiver penetration, or the 10% of listeners who still favor AM?". And as we all know, the 10% market share is slowly eroding but the number of receivers isn't.

I see this as a competitive tool that we didn't have, that in certain market conditions, can put us on a level playing field with other audio sources. People expect certain things when they listen to audio: artist, title, art, information, and crystal clear audio. This all-digital AM HD will be the tool that can deliver it to the dashboard... via AM.

See you all again in 2 weeks!



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