

DX News

Serving Medium Wave DXers since 1933

Volume 89, No. 13 • March 22, 2022 • (ISSN 0737-1639)

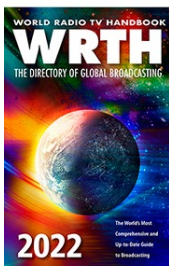
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From NRC HQ: The 42nd Edition of the NRC *AM Radio Log* is now sold out! Energies will now turn to preparing the 43rd for later this year.

We have 4 copies of the 2022 (and final) edition of the *World Radio-TV Handbook*. If you're interested in one, please send a postcard or letter with your name and phone number to NRC WRTH Drawing, P.O. Box 473251, Aurora CO 80047-3251, and we'll choose at random four NRC members in good standing (i.e., with a current subscription to *DX News* or e-DXN). If your name is selected, we'll call you and ask you to send \$25 in shipping and handling costs (better than the US\$49.95 list price). To U.S. mailing address only; sorry, postage to non-U.S. locations is higher than the regular book price. Your entry must be received in the P.O. Box by Saturday, April 2.



Membership Report

"Thanks to the NRC for maintaining a printed bulletin." – Mike Cooper

"Thanks for all the hard work everyone does to keep the NRC going!" – Stan Weisbeck

"Joined in the spring of 1965, 57 years ago." – Wayne Heinen

New Members: Welcome to Thomas Leahy, Capitola, CA; and James Rohrer, Fort Atkinson, WI.

Rejoining Members: Welcome back to Daniel L. Cummings, Winfield, WV.

Renewing Members: Thanks for the ongoing support of Karl Ayer; Charles Behler; Gary Biasini; John Clark; Richard Colgan; Mike Cooper; George Csahanin; Steve H. Forrest; Steve Geary; David Gleason; Harold Hall; Anthony Hart; Richard Hayden; Wayne Heinen; Peter A. Horton; Dan Hromadka; Steven Kamp; Ken'ichiro Kohno; Donald Neumeyer; Kim Niendorf; Patrick Roberson; Tom Root; Mark Smith; Matthew Sittel; William D. Swiger; Leonard Thompson; Alphonse

Tobia; Stan Weisbeck; David Yocis; and Philip Zmenkowski.

Volume 89 DXN Schedule

No	D'dline	Print	17	June 26	July 5
14	Apr. 3	Apr. 12	18	July 24	Aug. 2
15	Apr. 24	May 3	19	Aug. 21	Aug. 30
16	May 22	May 31	20	Sept. 11	Sept. 20

From the Publisher: This is the last of our biweekly issues for this season. The next couple issues will come out at three-week intervals, then monthly for the summer.

Thanks to Rick Kunath for his excellent article "Noise Ingress Testing and Reduction," which appears in this issue. Lots of good ideas and procedures here for getting unwanted noise out of our receivers!

It's been a while since we've run technical articles in *DX News* ... many of our members who work on these technical issues have been increasingly sharing their findings and techniques using various online platforms. We're happy to be able to provide articles like this to NRC members through *DX News* and would like to publish more such articles in the future. If you have something you'd like to share, please drop me a line at NRCDXNews@gmail.com.

In addition, Ken McHarg has written and sent in several more historical articles that we have in the pipeline to run as space permits.

For those waiting for QSLs from the KJJR or KQKD DX Tests, please continue to be patient! The QSLs are being handled by our CPC ("Courtesy Program Committee") volunteers, who have lives and jobs and limited time to devote to the CPC, and they're working on a couple more tests before the season is over. So please be sure to check online for news of additional tests, and hang tight – QSLs will be forthcoming as the CPC can process them.

See you in 3 weeks! – David

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
 NRC AM Log data mining provided by Shawn Axelrod and Bill Hale

FCC and CRTC Decisions and Applications

CALL CHANGES

740 WVCH PA Chester – Call change to WJFP (Mar. 2).

NEW STATION WATCH

1100 KVVD NM Peralta – Granted license to cover CP for new station with D1 1000 at 35-00-40/106-39-51; there are now zero outstanding U.S. new station CPs.

CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs fully licensed and on the air:

540 WRGC NC Sylva – Granted license to cover CP with U1 5000/190, new site at 35-23-29/83-14-57.

1450 WVAM WV Parkersburg – Granted license to cover CP with new site at 39-18-57/81-31-38.

CPs built, awaiting final licensing (probably being used on the air):

570 WTBN FL Pinellas Park – Applies for license to cover CP with U4 250/730, new site 27-59-57/82-42-01 and applies for program test authority.

1290 WPVD RI Providence – Applies for license to cover CP with U1 400/16, adjust coordinates to 41-51-22/71-26-44 and granted program test authority.

1440 WNPV PA Lansdale – Applies for license to cover CP with U1 250/23, adjust coordinates to 40-14-18/75-18-57.



CPs granted:

560 WNSR TN Brentwood – Granted CP with U1 1000/75 at licensed night site.

690 KOLT NE Terrytown – Granted CP with U1 1100/74, new site at 41-51-50/103-42-22.

780 KAZM AZ Sedona – Granted CP with U1 5000/95, adjust coords. to 34-51-38/111-49-11.

930 KSDN SD Aberdeen – Granted CP with U1 1000/270, adjust coords. to 45-25-29/98-31-04.

1470 WPIF SC Georgetown – Granted CP with U1 420/90, new site (diplexed with WGTN-1400) at 33-24-15/79-19-36.

Modification to CP granted:

1330 WHGM MD Havre de Grace – Had been granted CP with U1 3900/18, existing site; granted modification of CP to U1 1000/18, still at existing site.

Some questions around the KMOG-1420 CP modification reported last issue: KMOG is licensed at U1 2500/500 and last summer applied for 3000 watts daytime. The FCC read this as an application for D1 3000 but it was corrected to U2 3000/500 and issued as corrected. Later, KMOG applied to modify the CP to D1 3000 and this was granted and reported last issue. Bill Hale has spoken to the station and was told they still want U2 3000/500, although the FCC still has them at U2 2500/500 (CP D1 3000).



Applications for CP received:

820 WWBA FL Largo – Applies for CP with U4 10000/630, two new towers at adjusted coordinates 27-54-29/82-46-55.

1150 WCRK TN Morristown – Applies for CP with U1 4500/13, new site (diplexed with WMTN-1300) at 36-12-25/83-19-59.

SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

650 KPRP HI Honolulu – Granted STA, U1 1000/1000.

830 WKTX OH Cortland – Granted STA, D1 10.

850 WPTB GA Statesboro – Granted STA, U1 1000/25, logging crew knocked out one tower.

910 WRKL NY New City – Granted STA, U1 200/200, adjust coordinates to 41-10-53/74-02-55.

- 1150 WCRK TN **Morristown** – Granted STA, U1 2000/15, 230' LW at 36-14-44/83-17-01.
 1270 WCGC NC **Belmont** – Granted STA, minor parameters at variance.
 1340 KDCO CO **Denver** – Granted STA, U1 750/750 from backup transmitter.
 1400 WRDB WI **Reedsburg** – Granted STA, U1 75/75, 173' LW at 43-32-30/90-02-05, tower collapsed in ice storm.
 1460 WKDV VA **Manassas** – Granted STA, U1 144/144, tower at 38-51-18/77-22-28 (supersedes U1 10/10 STA granted last month).

Applications for STAs received:

- 550 KOAC OR **Corvallis** – Applies for STA, U1 1300/1300, water ingress in underground transmission line.
 770 KAAM TX **Garland** – Applies for STA with U3 1000/1000, night pattern 24 hours.
 790 KFPT CA **Clovis** – Applies for STA, U4 3000/2500, transmitter issues.
 1410 KQV PA **Pittsburgh** – Applies for STA, reduced power (unspecified).

Extensions of prior STAs granted (usually for an additional 6 months):

- 790 WAXY FL **South Miami** – Granted STA extension, U4 25000/25000, Cuban QRM.
 880 WXBN FL **Sweetwater** – Granted STA extension, U1 1000/1000.
 990 WTLN FL **Orlando** – Granted STA extension, U1 12500/3500.
 1260 WRIE PA **Erie** – Granted STA extension, parameters at variance.
 1280 KFRN CA **Long Beach** – Granted STA extension, day parameters at variance.
 1310 WTCW MI **Traverse City** – Granted STA extension, U1 3250/1875, tower 44-46-02/85-41-26.
 1340 KROS IA **Clinton** – Granted STA extension, U1 300/300, whip at licensed site.
 1350 WWWL LA **New Orleans** – Granted STA extension, U1 5000/480 as in CP.
 1420 KULY KS **Ulysses** – Granted STA extension, U3 500/500, night pattern 24 hours.
 KUJ WA **Walla Walla** – Granted STA extension, U1 1000/900.
 1540 WYCL OH **Niles** – Granted STA extension, D1 125.

Applications to extend previously granted STAs received from WDAE-620 Saint Petersburg FL, WNTM-710 Mobile AL, KFIA-710 Carmichael CA, KYFR-920 Shenandoah IA, WINZ-940 Miami FL, WUFO-1080 Amherst NY, KLOA-1240 Ridgecrest CA, KKOL-1300 Seattle WA, KXYZ-1320 Houston TX, WZKO-1350 Fort Myers FL, WEGA-1350 Vega Baja PR, KWWJ-1360 Baytown TX, WPLM-1390 Plymouth MA, KDBS-1410 Alexandria LA, WZWB-1420 Kenova WV, WVGB-1490 Beaufort SC, KCTX-1510 Childress TX, and KYAL-1550 Sapulpa OK.

SILENT STATIONS

Stations notifying the FCC that they are silent:

- 1060 KXPL TX **El Paso** – Silent Feb. 28, transmitter outage.



Formerly silent stations notifying the FCC that they are on the air:

- 630 KICH GU **Agaña** – Silent since Dec. 1 (2021); on the air (notified Mar. 2).
 850 WKIX NC **Raleigh** – Silent since Dec. 9; on the air Feb. 23 with U1 7900/120 from CP site.
 1040 WSGH NC **Lewisville** – Silent since Mar. 1 (2021); on the air with STA (notified Mar. 2).
 1290 WOPP AL **Opp** – Silent since Mar. 22 (2021); on the air (notified Feb. 28).
 1490 WSIR FL **Winter Haven** – Silent Feb. 1, 2021 (2021); on the air Jan. 28 with STA.

COORDINATE CORRECTION

- 790 KBME TX **Houston** – Applies for CP to correct coordinates to 29-54-56/95-27-45.
 1260 KROX MN **Crookston** – Granted license to cover CP to correct coords. to 47-47-52/96-35-14.

NRC AM Log Updates

- 540 WETC NC **Wendell-Zebulon** – Networks to SRN/EWTN. (nrc-am)
 570 WTBN FL **Pinellas Park** – Slogan & Group to Grp= Faith Talk 570/760/910 (ex-Grp= Faith Talk 570/910). (DXMon)
 CFCB NL **Corner Brook** – // VOCCM-590 "Local News Now," drops local programing. (DS)
 610 WFNZ NC **Charlotte** – Adds // WQNC-92.7; delete // W273DA-102.5. (RI)
 620 CKCM NL **Grand Falls-Windsor** – // VOCCM-590 "Local News Now," drops local programing. (DS)
 690 KGGF KS **Coffeyville** – Adds // K224FQ-92.7. (FCC)
 710 CKVO NL **Clareville** – // VOCCM-590 "Local News Now," drops local programing. (DS)

	KIRO	WA	Seattle — Format to SPT (ex-SPT/TLK), Grp= ESPN Seattle. (RInk)
760	WLCC	FL	Brandon — Networks to SRN/FoF; slogan & Group to Grp= Faith Talk 570/760/910. (DXMon)
800	KDDD	TX	Dumas — Format to CLR (ex-OLD); slogan to “The Buzzard.” (FB)
870	WHCU	NY	Ithaca — Networks to C/CMP/SRN/P/WW1/RER. (DXN)(WH)
	CFSX	NL	Stephenville — // VOXM-590 “Local News Now,” drops local programing. (DS)
910	WTWD	FL	Plant City — Slogan & Group to Grp= Faith Talk 570/760/910 (ex-Grp= Faith Talk 570/910). (DXMon)
950	KJR	WA	Seattle — Adds // KUBE-93.3. (RI)
960	WFGL	MA	Fitchburg — Slogan to “Renew FM,” adds // W291DA-106.1; delete Grp= Renew FM. (FB)(WH)
980	KGLN	CO	Glenwood Springs — Networks to THN/SRN/P/WW1/CMP/RER. (WH)
1000	WCMX	MA	Leominster — Format to SS:REL (ex-REL), slogan to “Renueva,” delete Grp= Renew FM. (FB)
1040	KPPF	CO	Monument — Networks to THN/RA/P/SRN; slogan & Group to Grp= PowerTalk 1040 (ex-Grp= The Power of Information). (WH)
1070	WFLI	TN	Lookout Mountain — Slogan & Group to Grp= The Big One 96.1 100.3 1070 (ex-Grp= The Big Jet FLI). (FB)(WH)
1150	KRMS	MO	Osage Beach — Slogan & Group to Grp= Your News Talk KRMS (ex-Grp= KRMS News/Talk). (DXMid)
	WHBY	WI	Kimberly — Slogan & Group to Grp= Real. Local. Radio! (ex-Grp= Newstalk 1150). (DXMid)
1220	WBCH	MI	Hastings — Slogan to “NewsTalk 1220.” (irca)
1240	KCRT	CO	Trinidad — Format to AC (ex-C&W), delete // K257FE-99.3; slogan & Group to Grp= My 99.3. (DXMid)
1260	WPHB	PA	Philipsburg — Format to AC/OLD (ex-CLR), networks to A/WW1; slogan & Group to Grp= 107.1 & 104.3 Jack-FM. (RI)
1270	WLBR	PA	Lebanon — Format to TLK (ex-CLR), Networks to SRN/WW1/DR/JBo/RER, delete slogan. (RI)
1290	KMMM	KS	Pratt — Slogan & Group to Grp= The Mighty 1290 True Country. (WH)
1300	KBRL	NE	McCook — Networks to Fox/Ne/Bf/DR/FSR/P/C2C. (DXN)
1320	WATR	CT	Waterbury — Format to TLK/SPT/OLD (ex-TLK/OLD), slogan to “1320 AM 97.7 FM,” networks to Fox/WW1/FSR. (DXN)(WH)
1330	KNSS	KS	Wichita — Slogan to “News Talk.” (StIntel)
	KVOL	LA	Lafayette — Format to AC/OLD (ex-OLD), slogan to “Me TV FM.” (RI)
1340	KJOX	WA	Kennewick — Slogan to “ESPN Tri Cities,” networks to ESPN; delete Grp= ESPN Seattle. (WH)
1350	WEZY	WI	Portage — Adds // W245DQ-96.9; delete // W290AL-105.9. (FCC)(JJR)
1390	KBBO	WA	Yakima — Networks to FSR, adds // K269HF-101.7; delete Grp= ESPN Seattle. (WH)
1400	WYUP	PA	Loretto — Slogan & Group to Grp= 107.1 & 104.3 Jack-FM. (RI)
1430	KALV	OK	Alva — Format to C&W (ex-OLD), slogan to “Big Country.” (RI)
1450	WELY	MN	Ely — Format to AOR (ex-SPT/TLK); slogan to “End of the Road Radio,” drops networks; adds // WELY-FM-94.5. (DXMid)
	WLEC	OH	Sandusky — Format to NOS/OLD (ex-NOS). (DXN)
	WVAM	WV	Parkersburg — Slogan & Group to Grp= True Oldies 98.1FM 107.9FM 1450 AM (ex-Grp= True Oldies Channel). (StIntel)
1480	WDYS	IL	Geneva — Format to C&W (ex-NOS); networks to A. (irca)
1490	WFXY	KY	Middlesboro — Slogan to “98 Rock.” (StIntel)
1500	WPOT	TN	Trenton — Format to C&W (ex-REL); slogan to “Country 1500.” (StIntel)
1520	WNWS	TN	Brownsville — Format to TLK (ex-AC/EZL); adds // WTBG-95.3. (RI)

New Groups

Grp= 107.1 & 104.3 Jack-FM – WYUP-1400, W296ED-107.1, W282CV-104.3 (RI)

Grp= My 99.3 – KCRT-1240, K257EQ-99.3, K257FE-99.3 (DXMid)

Grp= The Mighty 1290 True Country – KMMM-1290, KSOB-96.7, KVWF-100.5 (WH)

Group Name Changes

Grp= Faith Talk 570/910 becomes Grp= Faith Talk 570/760/910 (DXMon)

Grp= KRMS News/Talk becomes Grp= Your News Talk KRMS (DXMid)

Grp= Newstalk 1150 becomes Grp= Real. Local. Radio! (DXMid)



Grp= The Big Jet FLI becomes Grp= The Big One 96.1 100.3 1070 (FB)(WH)
 Grp= The Power of Information becomes Grp= PowerTalk 1040 (WH)
 Grp= True Oldies Channel becomes Grp= True Oldies 98.1FM 107.9FM 1450 AM (StIntel)

Group Changes

Classic Favorites 96.9 & 100.7 drops WPHB-1260 & W281CB-104.1 Philipsburg (RI)
 Grp= Faith Talk 570/760/910 adds WLCC-760 Brandon and W282CI-104.3 Tampa (DXMon)
 Grp= The Big One 96.1 100.3 1070 adds W241AF-96.1 (FB)(WH)

Groups Deleted

Grp= ESPN Seattle (WH)
 Grp= Renew FM (FB)

Radio Ink: Cumulus Shutting Down Arkansas Radio Network

According to a report in Arkansas Business, after more than fifty years of broadcasting news, sports, and farm market reports, the Arkansas Radio Network will be signing off next month. Based at KARN in Little Rock, the network is owned by Cumulus.

PD Toby Howell sent an e-mail to 18 affiliates letting them know that the network will be ending its news and information programming on March 20.

The report says the Howell e-mail thanked the affiliates but gave no reason for ending the network. "We have appreciated the opportunity to serve your news and information needs, and we will continue to do so for the next 30 days so that you may transition to a new service."

The network launched back in 1967 as the Delta Farm Network. In the 1980's the network was heard on nearly 70 Arkansas radio stations. (*AM Radio Log Symbol "Ar"*)

Our Thanks to our Contributors and Various Media Sources: (DS) Dan Sys; (DXMid) DXMidAmerica; (DXMon) DX Monitor; (DXN) DX News; (FB) MWDX FaceBook; (FCC) FCC; (JJR) John J. Rieger; (irca) IRCA IO-list; (nrc-am) NRC Google Group; (RI) Radio Insight; (RInk) Radio Ink; (StIntel) StationIntel.com; (WH) Wayne Heinen

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 143.

100 Years of Radio in Manitoba

To celebrate 100 years of radio in the province of Manitoba several radio guys helped put together a display at the main library here in Winnipeg. They were interviewed on CBW 990 and the link below will let you hear the interview along with some great station IDs.

<https://www.cbc.ca/listen/live-radio/1-29/clip/15897662>



Bits and Bites from the NRC Listserv

From: Paul Walker
 Re: The Small World That Is the DXing Hobby

For those of you unaware, I live in McGrath, Alaska managing the day to day operations of an NPR Radio station, KSKO, serving about 500 miles of the alaskan interior.

I'm a member of another hobby site and Facebook page, HFUnderground. Geared towards, well ... HF/SW but we do talk AM radio there.

On Friday, someone I didn't recognize popped by the radio station but vaguely knew my name. We got talking and it turns out he's an HFU member. He was here in McGrath to fix some equipment for the FAA.

73 for this time Shawn **Remember On A Clear Day You Can Hear Forever**



MEMBERSHIP RENEWALS

Don't forget that your subscription expiration date is on the back cover. Renewals go to NRC Headquarters, P.O. Box 473251, Aurora CO 80047-3251. Rates are on the back page. Order publications at the same time – only one check is necessary.

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. In some instances, minor editing may occur. Reports older than 30 days may be excluded at the editor's discretion.

All times are Eastern Local Time (ELT)!! If you moved your clock/watch/whatever forward one hour this past Saturday night/Sunday morning (March 12/13), DO NOT CHANGE the way the time is reported. It's business as usual. But if you did not advance your clock, as Arizona and Hawaii, add one hour to catch up. Ketchup?



Please observe the following . . .

Upcoming deadlines for DDXD-West: Issue 14: April 1; Issue 15: April 22 (3-week breaks!)

--- REPORTERS ---

- RA-CA** René Auvray Pomona, California 2020 Toyota Corolla
- SMA-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
- SD-MN** Skip Dabelstein KØSBV Maple Grove, Minnesota Icom R75 and Drake SW8 Receivers, Ratzlaff Active Whip and Radio Plus Quantum Loop Antennas
- MJ-QRO** Mike Jeziorski Juriquilla, Queretaro, Mexico Receivers: Perseus and Kiwi SDRs; Antenna: W6LVP loop <mjeziorski@gmail.com>
- TJ-IL** Tom Jasinski Joliet, Illinois
- TK-FL** Terry Krueger Niceville, FL IC-R75, NRD-535, ICF-7600GR, active loop, random wire
- JP-AB** Jon Pearkins Edmonton, Alberta CCRadio-2E & Sangean PR-D15, both barefoot
- JR-OK** John Reed KA5QEP Shawnee, Oklahoma Receivers: Rohde & Schwarz ESH3, NRD-535D; Antennae: ferrite tuned loop (23" long bundle of 3 smaller stacked rods), Clifton Labs active whip, Quantum Phaser
- JJR-MI** John J. Rieger L'Anse, Michigan Grundig Satellit 750 -Terk AM1000 loop, Sangean ATS-909X stock
- 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

--- NOTES FROM CANADA ---

Jon Pearkins <jon@pearkins.com>

Radio's Very Low Frequency (VLF) band is defined by the International Telecommunication Union as 3-30 KHz. Its widespread use is having a positive impact on some areas of Space near Earth. From 1905-1925, VLF was used for transoceanic telegraph communications. Navigation beacons followed for ships and airplanes. Today, submarines can receive signals under water from 20 kW to 2 Megawatts VLF transmitters. VLF can travel into space where it interacts with charged particles, enhancing the magnetosphere that protects the Earth's atmosphere from the destructive effects of cosmic rays. The Van Allen Belts, where the magnetosphere stores cosmic rays, now begin farther from the Earth due to the wide-spread use of VLF.

A century ago, in March 1922, the City of Vancouver had three major daily newspapers. During that same month, Vancouver went from zero to three radio stations, as those three newspapers scrambled to be the first on the air with daily programming. SUN TO INSTAL WIRELESS SERVICE (spelling theirs) appeared across the bottom of the front page of The Vancouver Sun on March 7, 1922. The Vancouver Daily Province was actually the first on the air, on March 13, 1922, the signal making it over The Rockies to future CFCN owner W. W. Grantin High River, Alberta, despite broadcasting on 2000 meters (150 kHz). "For the first time in the history of the Canadian West, radio 'waves' carried the news of the day to scores of districts, many of them so much beyond the reach of the mailed evening newspaper that news with them by ordinary channels is often three or four days old." It was not until late June 1922 that they moved to 440 meters (about 680 kHz). The Vancouver Sun began broadcasting at 8:00 PM on March 15, 1922 using 200 meters (1500 kHz). And the Vancouver Daily World began regular programming at 2:00 PM on March 23, 1922 at 360 meters (about 830 KHz). That

newspaper was selling a crystal detector receiving set for \$25 that was guaranteed to receive the station at a distance of 50 miles.

- 690 CBOI ON Ear Falls – The CBC has again applied to move this 40 watt CBC Radio One Low Power Relay Transmitter to 95.5 MHz with 130 Watts non-directional at 41.3 feet Effective Height Above Average Terrain (EHAAT). The station simulcasts CBQT-FM in Thunder Bay, Ontario. A similar application, with different EHAAT and power, was approved in 2018, but expired on February 5, 2022, after being granted a one year extension when the original FM transmitter planned for Ear Falls was used for CBQP-FM Pickle Lake, Ontario, after CBQP's transmitter was destroyed by fire.
- 740 CHCM NL Marystown – This 10 kW AM transmitter is no longer on the air, as CHCM-FM's three-month license to simulcast on 740 kHz expired. An exact date is not known but it was definitely off the air before the end of February. CHCM-FM continues to simulcast VOXM-590 St. John's.

--- U.S. STATION NEWS ---

- 1480 WDYS IL Somonauk – 3/3 1400 – After weeks of testing finally using new call letters and location. C&W Music format, ABC News on the hour. Had been testing using audio feed from WSPY 107.1 FM, then on 3/2 and morning of 3/3 noted ID as 'WSPY 1480 Geneva.' In afternoon on 3/3 noted with new 'WDYS 1480' and 'Somonauk' IDs. Good signal from about 35 miles. After switching to low power at sunset they slowly disappear in Graveyard-sounding 1480. (TJ-IL)
- 1620 WTAW TX College Station – 2/28 0700 – FYI . . . they play the Star Spangled Banner daily at this time. (JJR-MI)

--- UNID ---

- 740 unID – 3/10 0511 – Male talk with news-like delivery making KCBS very likely, but Colorado also has two possibilities: KVOR and KVFC. Patterns and powers are viable for all three. Stronger signal than KNFL, and was able to completely null them with antenna to the South-Southwest. (JP-AB)
- 750 unID – 3/11 0108 – Male talk under KERR and CKJH, with antenna to the south. KOAL most likely as direction is wrong for WSB and it's not Sports Talk, which would rule out KXTG. (JP-AB)
- 1450 unID – 3/6 0600 – Nothing other than "AM 1450 W . . ." and OLDies. (JJR-WI)

--- YOUR DX LOGGINGS ---

- 580 WELO MS Tupelo – 3/8 0635 – 'Disco Lady' by Johnnie Taylor, "The Pulse" into next song. Poor, but alone and steady. (JJR-WI)
- 680 WDBC MI Escanaba – 2/27 1858 – Oldies music into Top-of-Hour ID repeated twice: "From the WDBC studios powered by the Nassau-Bergman attorneys-at-law, this is WDBC Escanaba-Marquette and W233CT Escanaba, a service of Aurora Media." (SD-MN)
- 690 WNZK MI Dearborn Heights – 3/1 0715 – Poor, with songs by Gladys Knight and Al Green. Calls, then lost to someone who never IDed with Fox Sports (KOLT? WJOX?) (JJR-MI)
- 730 KWOA MN Worthington – 2/28 0653 – Mentions of "RadioWorks" and "Minnesota Vikings" into "KWOA 730 and FM 100.3." Poor, replacing CKAC with CKDM today. (JJR-MI)
- 730 CKDM MB Dauphin – 3/11 0045 – C&W in best null of strong and mostly dominant CHMJ. Normally impossible with both CHMJ and CBX-740 on the air. (JP-AB)
- 740 KNFL ND Fargo – 3/11 0027-0034 – Initially all alone and strong, with lots of mentions of Fargo in ads coming up to the bottom of the hour, as well as "740" and "dot com" matching their '740thefan.com' web site. Then went to ESPN Sports network feed. (JP-AB)
- 740 WDGY WI Hudson – 2/27 0835 – Poor, with CFZM, etc. ". . . or the opinions of WDGY" (disclaimer). (JJR-MI)
- 740 CFZM ON Toronto – 3/11 0105:25 – Start of "Having a Party" by Sam Cooke with no Splitter from previous song after gradually fading up. No signs of them earlier, or the night before. Really pleased, as conditions were mediocre and Auroral conditions hit three hours later. (JP-AB)
- 750 KERR MT Polson – 3/11 0035-0046 – C&W with lots of splitters: "This is Real Country, Seven Fifty Cur" at 0035 and "We're Country, Seven Fifty Cur" at 0046. Initially nulling CKJH, which soon faded out. First time heard thanks to CBX-740 being off the air. (JP-AB)



- 750 KXTG OR Portland – 3/11 0156 – Tentative as strongest to the Southwest, running ads but too weak to understand. (JP-AB)
- 770 WVNN AL Athens – 3/6 0634 – Poor, with promo for ‘Dan Bongino’ “. . . on 770 AM and 92.5 FM, WVNN. Depend on it!” (JJR-WI)
- 780 WJAG NE Norfolk – 3/1 0744 – Dave Ramsey program notes; call letter IDs and mentions of “105.9 FM” and “wjag.com.” Fair with no QRM. (JW-CO)
- 810 KBHB SD Sturgis – 03/01 2330 – Poor-to-fair, but alone on the frequency with local sports for Redfield and local ads. **First time heard in Winnipeg. (SMA-MB)**
- 810 WJJQ WI Tomahawk – 02/28 1850 – Very weak at sunset, but several CBS Sports IDs. First Time heard in Winnipeg. (SMA-MB)
- 850 WTAR VA Norfolk – 3/4 0625 – ‘FOX Sports One’ spots/promos, into Fox Sports with no slogan, calls. No WKNR or KOA. Poor. Assumed. I hate reporting 50 kW stations, but this hasn’t been heard in a while. (JJR-WI) [Quite possibly they were still on their nighttime facilities, as the March Sunrise (night-to-day) change for them, per FCC, is 0615. And the nighttime pattern directs nothing your way – Ed.]
- 870 WWL LA New Orleans – 3/1 1107 – Live Mardi Gras Fat Tuesday parade coverage by man and woman. My annual mid-morning log of them (canceled last year due to COVID). Fair. (TK-FL)
- 890 KQLX ND Lisbon – 2/27 0830 – “Country Gold on KQLX.” Fair, with no sign of WLS. (JJR-MI)
- 930 WBEN NY Buffalo – 2/28 0617 – “WBEN in depth” after ad for ‘Front-Lawn.com.’ Poor, but alone. (JJR-MI)
- 990 WNAP IN Muncie – 3/2 0630 – As CBW music ended, “WNAP AM 990” and CBW news began. Logged as WERK decades ago. That one second!! Very poor. Rare. (JJR-MI)
- 990 KAYL IA Storm Lake – 3/11 0814 – SS with promo and “Juan” said twice during that time. Poor, but CBW was gone for a few minutes. (JJR-MI)
- 1010 WCSI IN Columbus – 3/2 1957 – Weather forecast into ID: “This has been the weather for Columbus and Bartholomew County on WCSI, News – Talk 1010 and 98.1 FM.” (SD-MN)
- 1030 KCTA TX Corpus Christi – 3/8 0657 – News of church meetings. Area codes 210 and 281 given. Poor, with others. (JJR-WI)
- 1040 CKST BC Vancouver – 2/28 0612 – Very poor, but clear, steady with woman comedian. Through WHO. (JJR-MI)
- 1060 WILB OH Canton – 3/12 0747 – Poor, with Rosary being said, though Legal ID included ‘Living Bread’ slogan. Translators noted at Top-of-Hour. (JJR-MI)
- 1070 WDIA TN Memphis – 2/24 0739 – Man announcer to caller: “WDIA. You’re on the birthday line . . .” under Urban music bed. (TK-FL)
- 1100 WWWE GA Hapeville – 2/24 0744 – Old School Soul, ID. (TK-FL)
- 1100 KWWN NV Las Vegas – 3/1 2035-2036 – A business mentioning area code 702; a sports betting app for the cell phone and ‘Las Vegas Raiders’ and ‘Modelo Beer’ heard. “ESPN 1100.” Some QRM; good. **First time in Pomona. (RA-CA)**
- 1110 KLIB CA Roseville – 3/1 2059 – Call ID: “KLIB Sacramento.” Lots of QRM. Co-channel QRM with talking and electronic dance music. **First time in Pomona. (RA-CA)**
- 1140 KXRB SD Sioux Falls – 3/12 0757 – Weather, then “The Sioux Empire’s home for Real Country Variety” and Legal ID for 100.1 FM and 1140. Poor. (JJR-MI)
- 1160 WPIE NY Trumansburg – 3/2 0749 – Very poor, with ESPN chatter in WYLL null. Legal ID at Top-of-Hour! (JJR-MI)
- 1230 KGHS MN International Falls – 2/27 0930 – Poor, with public service programming for the “Minnesota Military Radio on KGHS.” Heard OLDies throughout, but finally calls! Ads for ‘Wells Fargo’ and ‘Menards.’ (JJR-MI)
- 1230 KTRF MN Thief River Falls – 2/27 0846 – “. . . in Thief River Falls . . .” Very poor, with many others. (JJR-MI)
- 1230 KWNO MN Winona – 3/11 0840 – “. . . on the Winona Radio app” into national news from ABC. Poor, but atop. (JJR-MI)
- 1240 WHFA WI Poynette – 3/10 0755 – Very poor, in/out for 8-10 minutes, with ‘Relevant Radio’ content. Rare! (JJR-MI)
- 1270 WWCA IN Gary – 3/10 0158 – Religious Programming from Relevant Radio Network into Top-of-Hour ID: “Bringing life to the world through the media, WWCA Gary, W268BI Gary, Relevant Radio 1270 AM and 101.5 FM.” (SD-MN)
- 1270 WWWI MN Baxter – 3/1 0739 – “25 degrees in Brainerd-Baxter at 6:39 in the Cub Food Studios.” Poor. (JJR-MI)



- 1270 KBZZ NV Sparks – 3/8 2032-2036 – Playing Sammy Hagar’s ‘There’s Only One Way To Rock.’ An unID Spanish Station took over, but faded out and KBZZ came back. Call ID, mentioning the simulcast on 92.5 FM and their format. Into Deep Purple’s ‘Hush.’ QRM, with reception improving. **First time! (RA-CA)**
- 1270 WLIK TN Newport – 3/9 1950 – Oldies music into sports programming announcement ending with “Top Ten High School Baseball and Softball on WLIK.” **(SD-MN)**
- 1290 WHIO OH Dayton – 3/4 0641 – “WHIO Newstime” Nothing great, but local WZTI running Open Carrier! Poor. **(JJR-WI)**
- 1290 WKLJ WI Sparta – 3/11 0837 – Poor, but alone, with ESPN chatter -- no usual CFRW, etc. Assumed. **(JJR-MI)**
- 1290 CFRW MB Winnipeg – 3/4 0642 – Poor, with “. . . all new Funny 1290 AM, 24-7 comedy,” with WHIO now gone. WZTI (semi local) on Open Carrier. **(JJR-WI)**
- 1300 WRDZ IL La Grange – 3/6 1900 – Came across multi-station Top-of-Hour ID: “AM 1030, WNVR Vernon Hills – Chicago, AM 1300 WRDZ La Grange – Chicago, FM 107.1 W296DA Vernon Hills, and FM 104.7 W264DA Chicago, All Chicago Radio. AM 910, WRKL New City, New York.” **(SD-MN)**
- 1300 KMMO MO Marshall – 3/7 1858 – Country Music into Top-of-Hour ID: “This is KMMO Radio AM and FM, Marshall, 1300 AM and 102.9 FM” followed by CBS World News Roundup. **(SD-MN)**
- 1320 WJAS PA Pittsburgh – 3/4 0731 – Very poor, with ad for “IrelandContracting.com,” followed by weather and “Pittsburgh’s 1320 WJAS” into satellite-fed First Light. Very poor, but no sign of usual WILS. **(JJR-WI)**
- 1340 WSOY IL Decatur – 3/9 0100 – Top-of-Hour ID: “Byers and company tomorrow morning from 6 to 9 on WSOY 1340 AM and 103.3 FM and streaming live on nowdecatur.com,” then into Fox News. **(SD-MN)**
- 1340 KVBR MN Brainerd – 2/27 0856 – Poor, with “Brought to you by the South Dakota National Guard . . .,” suggesting KTOQ or KIJV, but then got the Legal ID for KVBR and 95.1 FM into USA News. **(JJR-MI)**
- 1340 KDLM MN Detroit Lakes – 2/27 0820 – “. . . issues at large on KDLM” (a Sunday morning public service program). Poor, but alone. **(JJR-MI)**
- 1350 KDIO MN Ortonville – 3/11 0833 – Ad for ??? “. . . on Main in Milbank (SD) . . . weather on KDIO” Poor, but alone. **(JJR-MI)**
- 1370 KWRT MO Booneville – 3/8 0659 – Country music into Top-of-Hour ID: “KWRT AM and FM Booneville.” **This is #1,000 in my Minnesota CCB DX log.** The first 740 were heard between June 1991 and January 1996, and the rest were added since moving back to Minnesota in September 2020. **(SD-MN)**
- 1380 WMJR KY Nicholasville – 3/8 0652 – With talk of St. Francis. “Relevant Radio” and Catholic chatter heard. Poor: no WKJG. **(JJR-WI)**
- 1410 KLFD MN Litchfield – 3/11 0830 -“Weather on KLFD . . . sunny and 17 today” There was no sign of usual WIZM. Poor. **(JJR-MI)**
- 1410 KOOQ NE North Platte – 3/1 0812 – “The best of the 70s, 80s and 90s . . . 98.1 and 1410AM” between songs. Poor . . . no WIZM. **(JJR-MI)**
- 1430 KRGI NE Grand Island – 2/28 0840 – Sports “. . . on 1430 KRGI.” Poor, with others on the channel. **(JJR-MI)**
- 1430 WRDN WI Durand – 2/27 0913 – “Real Country 1430 and 107.3 FM, WRDN” between songs. Poor, though alone. **(JJR-MI)**
- 1440 KCHE IA Cherokee – 2/27 0811 – Calls between songs by Brenda Lee and Paul Simon. Poor, with no KYCR or WNFL. **(JJR-MI)**
- 1440 WZYX TN Cowan – 3/8 0643 – Poor, several songs heard, then: “The Eagle . . . 94.5 . . .” into ‘Margaritaville’ by Jimmy Buffet. **(JJR-WI)**
- 1450 WHTC MI Holland – 3/10 0813 – Talk of construction in Holland on Water Street. “WHTC.com” and “99-7 and 1450” mentions in Red Wings Hockey promo. Poor. **(JJR-MI)**
- 1450 KBUN MN Bemidji – 3/1 0803 – Poor, though atop and steady, with ESPN chatter. Assumed. **(JJR-MI)**
- 1460 KDWA MN Hastings – 3/10 0806 – “Information Radio . . . 1460 – FM 97.7 KDWA.” Very poor among others, including a weak KXNO. **(JJR-MI)**
- 1460 CJOY ON Guelph – 3/10 0812 – ‘Time After Time’ by Cyndi Lauper, then a CJOY jingle. Poor, but atop for a few minutes. **(JJR-MI)**
- 1470 WIBD WI West Bend – 3/2 0700 – “FM 101-3 and AM 1470” into newscast. No WMBD, others. Poor, but the only fit. **(JJR-MI)**



- 1490 KLGR MN Redwood Falls – 2/28 0817 – Very poor, “. . . on KLGR . . . hiring in Redwood Falls . . .” In and out, with others. (JJR-MI)
- 1550 KESJ MO St. Joseph – 3/2 0840 – Poor, with “. . . the station that plays favorites all the time. Joe Town 107.5.” WHIT had faded. (JJR-MI)
- 1560 KBEW MN Blue Earth – 3/1 0733 – Poor- “AM 1560-FM 95.3” MN news updates, newscast. Poor, with KLNG weak in back. (JJR-MI)
- 1570 WSCO WI Appleton – 3/11 0726 – Poor, with ad for “??? Toyota on Oneida Street in Green Bay.” Lost to WLKD. (JJR-MI)
- 1580 KFCS CO Colorado Springs – 2/19 0751 – “Tigre FM” and Ranchera music; poor; Colorado #6. (MJ-QRO)
- 1580 KOKB OK Blackwell – 3/1 0800 – Legal ID for several stations, including this. “Triple Play Sports” – listening to CKDO with April Wine’s ‘You Could Have Been a Lady’ got me KOKB! Poor. (JJR-MI)
- 1590 WCGO IL Evanston – 2/28 0634 – “Chicago’s Smart Talk” promos for shows. “Classic Radio Theatre.” This is rarely heard here due to WAKR/KGFK. Poor. (JJR-MI)
- 1620 WTAW TX College Station – 2/28 0659 – Very poor, with Star Spangled Banner before Legal ID followed by Fox News. In tight, deep KOZN null. (JJR-MI)
- 1680 KRJO LA Monroe – 3/4 0632 – Poor, with Country music and “The Legends” liner. For over 30 minutes WPRR was using the ever-popular Open Carrier format. Yikes! (JJR-WI)

--- 1340 CHALLENGE ---

- 1340 KAND TX Corsicana – 2/28 2140 – C&W with call ID: “KGHM OK Midwest City.” Also logged on 3/1 at 1540. This station has a strong signal here and dominates the frequency during daytime with sports talk. (JR-OK)
- 1340 KJMU OK Sand Springs – 3/2 1530 – Weak, in phase null of KGHM, with UC-Gospel music. This station was difficult to ID since, according to the AM Log it should have been SS:MEX format. However, I found on the internet that it had switched back to UC:Gos sometime in 2021. (JR-OK)

--- 1400 CHALLENGE ---

- 1400 KSUN AZ Phoenix – 3/9 0932 – Ads, all in SS, with 602 Area Code; no IDs heard. Rough copy in the 1400 zoo. (JW-CO)
- 1400 KTUC AZ Tucson – 3/2 0915 – “It’s Now or Never” by Elvis and similar music with call letter IDs every few minutes. Fair, mixing with the group. (JW-CO)
- 1400 KRLN CO Canon City – 3/3 0837 – “Riddle of the Day” feature, sponsored by ‘River Street Restaurant.’ (JW-CO)
- 1400 KFTM CO Fort Morgan – 3/6 0952 – “The Big Morning Show” in progress, with Classic Rock music, local birthday greetings, ads, etc.; program note for ‘The Beatles Show’ on Sunday; Legal ID at 1000:50: “. . . KFTM Fort Morgan – Brush – Wiggins” and into Fox News. (JW-CO)
- 1400 KAYS KS Hays – 3/6 0858 – In briefly with program note: “. . . every morning on 94.3 and 1400 KAYS” and quickly faded. (JW-CO)
- 1400 KBRB NE Ainsworth – 2/21 0913 – Local ad; area weather, including southern South Dakota; call letter ID. Fair at best, in QRM. (JW-CO)
- 1400 KLIN NE Lincoln – 2/15 0928 – Southeast Nebraska weather; call letter ID; area college and high school scores. Fair peaks, with much fading. (JW-CO)
- 1400 KAZZ UT Parowan – 2/21 0824 – Man says: “Thanks for listening to Fox Sports Southern Utah,” followed by Fox Sports program notes; soon faded. (JW-CO)
- 1400 KKTL WY Casper – 3/3 0828 – “Casper’s Classic Country AM 1400 The Cowboy,” preceded by and followed by C&W tunes. Rough in QRM. (JW-CO)
- 1400 KODI WY Cody – 2/21 0927 – Ad for ‘Cody Jewelers’; area weather and other news; call letter IDs. Often heard, whereas several in-staters on 1400 (KJYE, KBLJ, KWUF) are seldom heard. (JW-CO)



--- 1490 CHALLENGE ---

- 1490 KMFS OK Guthrie – The only station that I could ID (on 1490) was KMFS, with Jimmy Swaggart music and preaching during daytime. I also have very strong 60 Hz interference on this frequency during the day. I could phase null this, but then KMFS was the only station heard. This frequency in the evening was a mish- mash of many stations, and fast fades made it difficult to catch any IDs. (JR-OK)

Thanks to John Reed for calling the next set of Challenges. Set your ‘dials’ on 1060 and 1570!!

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

- LB-NJ **Linda Brodsky, Demarest** – C Crane Skywave SSB, AN 200 loop.
 LB-NY **Linda Brodsky, Malverne** – C.Crane Skywave SSB, Sangean PR-D5 with Grundig AN-200
 BC-NH **Bruce Conti, Nashua** – Excalibur SDR, terminated SuperLoop antennas at 60° and 180°
 TF-NH **Tony Fitzherbert, Campton** – C Crane CCRadio 2E, Terk Advantage loop.
 KK-VA **Kraig Krist, Manassas** – Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop.
 GL-NH **Ginnie Lupi, Concord** – CCRadio2E + Select-A-Tenna
 JW-PA **Jim Weber, Oyster Point** – Grundig S350, Sony ICF-2010, Tecsun PL-380
 LW-NY **Leslie Wood, East Meadow** – CCRadio SW, Tecsun AN 200 Loop
 NjW-ON **Niel Wolfish, Toronto** – WinRadio Excalibur G31DDC with Wellbrook Loop, Honda Civic car radio
 MKB-ON **Mike Brooker, Toronto** – Grundig YB-400PE, XHDATA D-808, Sony SRF-39FP, C Crane Skywave, Tecsun PL-330, Panasonic RF-2200

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UNID

- 1110 unID -- - 2/21 0315 – Under WBT, with ad for Tax Shield followed by another ad mentioning “White Stop of Lorraine”. (LW-NY)

LOGGINGS

- 540 CBT NL **Grand Falls-Windsor** – 2/22 1955 – In mix with WBWD and others with end of classical concert, CBC News at ToH, weather for Newfoundland, temperatures for St. John, into a literary critique. This station is reported in DXN AM Switch to be moving to 93.3 FM. (TF-NH)
 580 WTAG MA **Worcester**- 2/25 1830 – In with Sean Hannity show and news about Russia Ukrainian War. “News Center 580” ID. (LW-NY)
 650 CKGA NL **Gander** – 2/25 2010 – Local Newfoundland news, soon lost to WSM Grand Ole Opry, no sign of WSRO. (TF-NH)
 670 WWFE FL **Miami** – 2/25 2025 – Spanish, two hosts on talk show, 1000 watt night signal from seven tower antenna system on the edge of the Everglades is way over that of 50,000 watt non directional WSCR. (TF-NH)
 WSCR IL **Chicago** – 2/22 2035 – Sports feed, ID for “AM 670 The Score”, 50,000 watt non directional signal mixed with WWFE's 1000 watt very directional night signal from Miami. (TF-NH)
 700 WDMV MD **Walkersville** – 3/12 1740 – Fair; “La Jefe 700 AM,” Mexican music. (BC-NH)
 WPVQ MA **Orange-Athol** – 3/12 1601 – Poor; “WPVQ Orange-Athol, WPVQ HD2 Greenfield, this is 92-3 The Outlaw,” classic country. (BC-NH)
 WLW OH **Cincinnati** – 3/10 2201 – Excellent; “News, traffic, and weather, News Radio 700 WLW Cincinnati,” and 10 O'clock Report local news. (BC-NH)
 710 WOR NY **New York** – 3/12 2300 – Excellent; WOR and WAXQ HD2 New York ID, “100 years as the voice of New York, this is 710 WOR, an iHeart radio station,” local news. (BC-NH)
 720 WGN IL **Chicago** – 3/12 0600 – Good; “The voice of the great Midwest now in our 100th year, this is WGN Chicago, 720 AM and on smart devices worldwide,” WGN Chicago jingle, “A Nexstar Media Group station,” and local news. (BC-NH)
 730 WJTO ME **Bath** – 3/10 1759 – Over/under CKAC; “It's 6 o'clock in the evening, there are 10 AM and FM Memories stations coming to you from Lewiston-Auburn, Maine, from Bath-Brunswick, Maine, from Gorham-Portland, Maine, and from Cambridge, Massachusetts, in the Boston area, and also Cape Cod, it's the best music on the planet...” and nostalgia. (BC-NH)



- WACE MA Chicopee** – 3/12 1600* – Under WJTO; promo for Fullness of Truth radio program “...on WACE AM 730,” then sign-off announcement, “WACE will be leaving the air...” **(BC-NH)**
- WDOS NY Oneonta** – 3/11 0032 – Fox news discussing Ukraine, inflation and gas price, “America's listening to Fox News” slogan, promo for “Snowmegang Festival, March 26 in downtown Oneonta after 2 year hiatus. Sponsored by Ommegang and Empire Toyota. Get your tickets at Snowmegang.com”, followed by promo for “Todd Kirkland with the Speakers Lobby.” Fading under CKAC. **(LB-NY)**
- 
- +++ - 3/11 0200 – Fair; Red Eye Radio, “This is the news and talk leader, WDOS Oneonta, WCHN Norwich, WDLA Walton, a service of Townsquare Media,” and Fox news. **(BC-NH)**
- WPITPA Pittsburgh** – 3/12 1759 – Under CKAC; “WPIT 96.5 FM and 730 AM,” contemporary Christian music. **(BC-NH)**
- CKAC QC Montreal** – 3/22 0025 – “Radio Circulation au Québec”. Traffic reports in French. Dominated frequency most of the night well past sunrise. Recorded. New. **(LB-NY)**
- +++ - 3/12 0000 – Excellent; “Radio Circulation 730, et Québec 511, la circulation en tout temps.” **(BC-NH)**
- 740 WJIB MA Cambridge** – 3/12 1559 – Fair; “It's 4 o'clock in the afternoon, celebrating 25 years of great music on WJTO in Maine, on March 12, 1997, Bob Bittner purchased WJTO and has been playing great music for the folks of Maine ever since,” and ID, “These are the Memories stations, WJTO 730 Bath-Brunswick-Portland, WJIB 740 Cambridge-Boston, WBAS 1240 West Yarmouth-Hyannis,” nostalgia. **(BC-NH)**
- CFZM ON Toronto** – 3/12 0001 – Excellent; Stardust program, “This is Zoomer Radio Toronto, CFZM FM and CFZM AM owned and operated by MZ Media Incorporated.” **(BC-NH)**
- 750 WSB GA Atlanta** – 3/13 0000 – Fair, over CBGY; promo for 100 year anniversary, “News, weather, traffic, 95.5 WSB Atlanta's news and talk,” and CBS news. **(BC-NH)**
- CBGY NL Bonavista Bay** – 3/11 1859 – Over WSB; “This is CBC Radio One, 1400 AM in Gander.” At 1959, “This is CBC Radio One, 540 AM in Grand Falls-Windsor.” **(BC-NH)**
- 760 WVNE MA Leicester** – 3/12 *0559 – Good; “Good morning, WVNE Leicester and WILD Boston now begin another day of broadcasting. WVNE and WILD are owned and operated by Blount Masscom Incorporated with studios and offices located at 8 Lawrence Road in Derry, New Hampshire. Stay tuned for a day filled with quality Bible teaching, informative discussion, and the latest news and information on 760 AM WVNE and 1090 AM WILD. 101.5 FM and 760 AM WVNE Leicester-Worcester, and new at 1090 AM WILD Boston,” SRN news. The Derry address is also the 1320 WDER transmitter site. **(BC-NH)**
- WJR MI Detroit** – 3/10 2100 – Excellent; “This is the great voice of the Great Lakes, 760 WJR Detroit, a Cumulus Media station,” and Fox news. **(BC-NH)**
- WCHP NY Champlain** – 3/11 1900* – Over/under WJR; end of Grace to You program with Laval, Quebec mailing address, then sign off, “WCHP Champlain now concludes this broadcasting day. WCHP radio is owned and operated by Champlain Radio Incorporated with studios, transmitter, and offices located in Champlain, New York. WCHP operates on an assigned frequency of 760 kilohertz by authority of the Federal Communications Commission in Washington DC.” **(BC-NH)**
- 770 WABC NY New York** – 3/10 2201 – Excellent; “WABC radio is proud to celebrate 100 years from October 1st, 1921, to Musicradio, to talk radio's crown jewels, worldwide and beyond,” WABC New York jingle, “And WLIR-FM Hampton Bays,” WABC Evening Newsbreak. **(BC-NH)**
- 780 WBBM IL Chicago** – 3/10 2158 – Good; “WBBM and HD Chicago, WCFS-FM and HD1 Elmwood Park-Chicago, an Audacy station,” traffic and weather on the 8's. **(BC-NH)**
- WEZR ME Rumford** – 3/10 1800 – Fair; “From the Maine Staffing Group studios, this is WPNO South Paris, WEZR Rumford, 96-9 and 98-3 The Patriot,” and Fox news. 3/13 0100 – Subaudible het rumbling over/under WBBM; classic hits, “This is WIGY Lewiston, serving LA, Oxford Hills, and you, 105-5 and 95-7 WIGY.” Measured 779.947 kHz. Apparently a split format, *The Patriot* conservative talk daytime and WIGY overnight. **(BC-NH)**



- WAVA VA **Arlington** – 3/13 0759 – Fighting WBBM with promo for gospel program from Manassas, VA “on WAVA AM 780”. **(MKB-ON)**
 +++ - 3/12 1800* – Good; “WAVA now ends its normal broadcast day in compliance with Federal Communications Commission requirements. Stay with Life Changing Talk Radio online all the time at WAVA AM dot com, or change your dial right now to our sister station 105.1 FM WAVA. Tomorrow when the sun comes up we’ll be back to begin another broadcast day. WAVA is a proud broadcast service of the Salem Media Group. Good evening from AM 780 WAVA Arlington-Washington. WAVA AM 780 Arlington, Virginia, W244EB 96.7 FM Burke, Virginia, WAVA-FM 105.1 HD2, live on Radio dot com,” and off. **(BC-NH)**
- 790 WAXY FL **South Miami** – 2/19 2037 – In with sports headlines, “on The Ticket 790.” Good signal. First heard years ago, as WMRG. **(LW-NY)**
- 800 WSVS VA **Crewe** – 3/5 0000 – ToH ID and Virginia Network News over top of CJBQ-Belleville. **(NjW-ON)**
- 850 WKNR OH **Cleveland** – 3/8 0546 – Partial call sign ID at this time. Less elusive slogan IDs “850 Sports Radio Cleveland” up until 0548. Poor reception during this session. **(JW-PA)**
- 910 WFDF MI **Farmington Hills** – 3/1 1900 – “WFDF...the Superstation” ToH ID and string of Ad Council PSAs (e.g. for firearm safety at home) in mix with someone’s Fox News. **(MKB-ON)**
- 920 WDMC FL **Melbourne** – 3/5 2259 – TOH ID “WDMC, Melbourne” into priests talking about Ukraine, then lost in noise. **(LB-NY)**
- WNJE NJ **Trenton** – 3/6 1612 – ESPN Sports, slogan “New Jersey’s ESPN 920”. **(LB-NY)**
 +++ - 3/5 0000 – Poor; “The new 920 ESPN, a Townsquare Media station.” **(BC-NH)**
- WYBY NY **Cortland** – 3/4 1800 – Under WHJJ; WYBY ID and SRN news. **(BC-NH)**
- WGHQ NY **Kingston** – 3/1 1858 – Fair; “920 WGHQ AM Kingston, and 92.5 W223CR FM Kingston, New York... Magic 92.5 WGHQ with another hour of great songs and magic memories starting right now,” and “Only the Beginning” by Chicago. **(BC-NH)**
- WHJJ RI **Providence** – 3/3 0600 – ToH ID: “Newsradio 920 and one oh four seven WHJJ, an iHeart Radio Station” into news including mentions of RI. Over/under WURA. Originally logged as WJAR in 1970’s. **(LB-NJ)**
 +++ - 3/1 1859 – Fading over WGHQ; “WSNE HD2 Taunton-Providence, W284BA Warwick,” bumper music, “Rhode Island’s news, traffic, and weather station, News Radio 920 and 104-7 FM WHJJ Providence, an iHeart radio station,” top local stories in brief, “Get news 24/7 on demand at News Radio RI dot com,” and Fox news. 3/5 0159 – Fair; Bloomberg Money Minute. **(BC-NH)**
- WURA VA **Quantico** – 3/22 0500 – Man talking excitedly in Spanish, ToH ID in EE and SS: “This is WURA 920 AM Quantico-Washington and W251 98.1 FM Manassas Virginia”. Tejano music until fading at 0600. **(LB NJ)**
 +++ - 3/3 1958 – Fair; promo in Spanish for 920 AM and 98.1 FM. **(BC-NH)**
- WOKY WI **Milwaukee** – 3/3 1857 – Popped up briefly over WHJJ and WGHQ; endorsement by WISN personality for Lake Country Health Center. **(BC-NH)**
- CKNX ON **Wingham** – 3/5 0532 – C&W songs and station promo: “CKNX with the country artists you love... Keith Urban, Merle Haggard, CKNX, real country music”. **(LB-NY)**
 +++ - 3/4 0600 – Good; “Midwestern Ontario’s most trusted source for news, this is CKNX,” and update from cknxnewstoday.ca. 3/4 2158 – Good; PJHL Mitchell Hawks vs Hanover Bears wrap up, “This is OHA hockey on CKNX and CKNX dot ca,” and ID, “CKNX AM 920 Wingham, Ontario, a division of Blackburn Media Inc.” **(BC-NH)**
- 940 WMAC GA **Macon** – 3/2 1805 – Over CFNV, WIDG, etc. with local news on “News Talk 940” and weather from “the WMAC Weather Center”. **(MKB-ON)**
- WFAW WI **Fort Atkinson** – 3/3 2358 – Under XEQ with “Don’t Walk Away Renee” by the Left Banke and ToH ID as “Oldies 940 WFAW Fort Atkinson”. **(NjW-ON)**
- 990 WNTY CT **Southington** – 3/9 0557 – Presumed with a quick mention of 990 AM and 96.1 FM. **(JW-PA)**
- WDEO MI **Ypsilanti** – 3/9 0500 – Clear WDEO call sign ID, mention of “Catholic Connection” program then right into man and woman prayer program, then gone in less than a minute. Coming in more clearly for a bit around 0505 with another ID. **(JW-PA)**



- WDCX NY **Rochester** – 3/9 0456 – WDCX call sign ID then into praise music, “Come, Now Is the Time to Worship”. Mention of 107.1 and maybe some sports talk at 0526. (JW-PA)
- CBY NL **Corner Brook** – 3/9 0458 – Tentative reception. CBC radio mention at 0458. Unclear if subcontinental Indian music immediately following was this station. (JW-PA)
- 1000 WCMX MA **Leominster** – 3/12 0601 – Religious-sounding Spanish vocal music and female announcer mixing with WMVP and then over/under WLNL after it came on at 0615. Didn’t hear an ID but confirmed via a conversation in the [MWDX Facebook group](#). Thanks, Bruce Conti! (GL-NH)
- WLNL NY **Horseheads** – 3/12 *0615 – “The Bell begins our broadcast day” by man into American National Anthem, then “your favorites on The Bell” followed by a phone number with 607 area code. Briefly strong, then faded into QRM. First time heard at this location. (GL-NH)
- 1080 WNWI IL **Oak Lawn** – 3/5 1858 – Polish pop music and ID in EE: “Chicago’s super ethnic station, WNWI Oak Lawn-Chicago”. Gave 708-201-9600 phone number for those wishing to buy air time. Powered down mid-song, leaving behind WTIC-Hartford. (NjW-ON)
- 1150 WNLR VA **Churchville** – 3/13 0630 – Nice ID during period when station was coming in well. Spoken religious content for a few minutes while other stations began drifting in and over. (JW-PA)
- 1190 WVUS WV **Grafton** – 3/12 0600 – ToH ID mentioning Light of Life Radio underneath WOWO-Fort Wayne. (NjW-ON)
- 1200 WXKS MA **Newton** – 2/25 1732 – In WKST/WRKK/WOAI mix with “Fox 12 hundred” slogan. “Boston’s conservative talk, Talk 1200” slogan at 1804. (KK-VA)
- WRKK PA **Hughesville** – 2/25 1740 – Mixing with WKST, WXKS and WOAI, “Take us where you go. Rock 94 9 iHeart Radio” station promo. (KK-VA)
- WKST PA **New Castle** – 2/25 1725 – Mixing with WXKS, WRKK and WOAI, ID as “News radio 1200 WKST.” (KK-VA)
- 1210 WANB PA **Waynesburg** – 2/25 1738 – In multi-station mix (WPHT, WSBI, UNID talk and other singing) with male “Cool country WANB” ID. (KK-VA)
- WSBI TN **Static** – 2/25 1728 – In multi-station mix with Spanish talk, “Radio Vida” slogan. Seems like a difficult city for DXing. (KK-VA)
- 1220 WGNV NY **Newburgh** – 2/25 1731 – In multi-station mix (WFAX, WHKW, WLSD, CFAJ) with “Oldies 98 9 105 3 WGNV” ID. (KK-VA)
- WLSD VA **Big Stone Gap** – 2/25 1800 – In multi-station mix with male “92 5 'The Vault' WLSD AM 12-20 and 92.5 W223AA... Virginia” ToH ID. New station for me and based on the call sign “Far out, man!” (KK-VA) “All acid all the time!” Mike.
- CFAJ ON **St. Catharines** – 2/25 1900 – In multi-station mix with oldies, “Classic 12-20” slogan and announcement: “This is a test broadcast of 12-20 CFAJ Saint Catharines. We welcome your questions or concerns. Email us at CFAJ1220AM@gmail.com or call us at 416 289 2323.” New station for me. I emailed them asking if they accept and confirm reception reports from distant listeners (as I’m 312.3 miles/ 502.9 km away). Only reply I received is “Thank you for listening.” (KK-VA)
- 1230 WJOB IN **Hammond** – 3/5 0000 – Faded in over WKTG-Grand Rapids with ID by woman and man. (NjW-ON)
- WNNC NC **Newton** – 2/25 1948 – In multi-station mix (WXCF, WCRO, ESPN talk and UNID religious talk) with station promo by female: “Sunday mornings are something special right here on 'Oldies 101.3 FM' WNNC... 'The Talk of Hickory'... every Sunday morning.” New station for me. (KK-VA)
- WCRO PA **Johnstown** – 2/25 1800 – In multi-station mix with male “... 102.9 FM Johnstown and 12-30 AM WCRO Johnstown” ToH ID. (KK-VA)
- WXCF VA **Clifton Forge** – 2/25 1732 – In multi-station mix with male “12-30 WXCF Clifton Forge” ID. (KK-VA)
- 1240 KBIZ IA **Ottumwa** – 3/12 0600 – ID by man: “1240 AM and 102.7 FM, KBIZ” into Fox news. (NjW-ON)
- WATN NY **Watertown** – 2/24 2126 – Ad for WalMart, ID for “1240 WATN”, into Sean Hannity, signal soon absorbed into the mush. (TF-NH)
- WWWC NC **Wilkesboro** – 2/25 1951 – In multi-station mix (WJNC, WRTA, UNID talk, Oldies, bluegrass or C&W and Spanish singing) with “Hometown Christian radio 3WC” ID. (KK-VA)

- WHIZ OH Zanesville** – 3/11 0058 – End of “Close To You” by the Carpenters. ID at ToH: “AM 1240 WHIZ Zanesville” into CBS news. Fighting WJIM Lansing. (NjW-ON)
- WRTA PA Altoona** – 2/25 1758 – In multi-station mix with “This is where to go when you got something to say, WRTA” ID. (KK-VA)
- 1250 WPGP PA Pittsburgh** – 3/4 1829 – In multi-station mix (WGHB, WTMA and UNID Gospel singing) with slogan “AM 12-50 'The Answer'.” (KK-VA)
- WTMA SC Charleston** – 3/44 1659 – In multi-station mix with ID: “Broadcasting to the world on the WMTA mobile app...” (KK-VA)
- 1260 WKXR NC Asheboro** – 3/4 2000 – In multi-station mix (WQOF, WSUA, WRIE, WNOO, WCHV and UNID music) with male “Classic Country 94.9 FM WKXR Asheboro” ID. (KK-VA)
- WNOO TN Chattanooga** – 3/4 1848 – In multi-station mix with female: “I am the pastor... United Methodist Church and we want you to joins us every Thursday morning at 10 AM WNOO 12-60 AM as well as 107.3 FM...”. New station for me. (KK-VA)
- WCHV VA Charlottesville** – 3/4 1901 – In multi-station mix with station promo for “Washington Wizards basketball... on C-Ville 107.5 and 1260 WCHV Charlottesville.” (KK-VA)
- 1270 WDLA NY Walton** – 3/4 1824 – In multi-station mix with news and local weather, “I'm meteorologist... for AM 7-30, 9-70 and 12-70.” (KK-VA)
- WMPM NC Smithfield** – 3/4 1711 – In multi-station mix (WPMH, WCBC, WLIK, WDLA) with male “WMPM the Big 12-70, 5000 watts of power” ID. Also noted at 1900 with ToH ID: “this is the all new WMPM AM 12-70 94.3 FM” and at 1800: “We are 94.3 FM WMPM 12-70... real rock.” (KK-VA)
- WPMH VA Newport News** – 3/4 1700 – In multi-station mix with male “You're listening to 'The Lighthouse' W... Suffolk and WPMH...” ToH ID. New station for me. (KK-VA)
- 1280 WHTK NY Rochester** – 3/4 1853 – In multi-station mix (WHVR, WJAY, WYVE, UNID talk and Spanish) with male “... on Fox Sports 12-80 WHTK.” (KK-VA)
- WONW OH Defiance** – 3/5 1900 – ToH ID surfaced in mess with WHTK-Rochester, CJRU-Toronto and WYVE-Wytheville. (NjW-ON)
- WJAY SC Mullins** – 3/4 1721 – In multi-station mix with station promo: “Tune into the 'Big Red Radio' show. This Saturday 7 o'clock PM on WJAY radio 98.3 FM, 1280 AM.” (KK-VA)
- WYVE VA Wytheville** – 3/4 1942 – In multi-station mix with female “... the great music on WYVE.” (KK-VA)
- 1290 WHKY NC Hickory** – 3/4 1859 – In WDZY and WJCV mix with male “Talk radio WHKY 12-90 AM 102.3 FM” ID. ToH ID at 1859: “Proud to be part of your life. We are WHKY, Talk Radio 12-90 AM and 102.3 FM, WHKY.” (KK-VA)
- WJCV NC Jacksonville** – 3/4 1719 – Mixing with WHKY and WDZY, ID as “Glorifying God in song, Southern Gospel 98.3 FM and 12-90 AM WJCV.” (KK-VA)
- WDZY VA Colonial Heights** – 3/4 1700 – Mixing with WHKY and WJCV, ToH ID: “WDZY 12-90 AM Colonial Heights, Richmond and translator W277CT Petersburg at 103.3 FM, a Wilkins Communications station.” (KK-VA)
- 1370 WLID NY Patchogue** – 2/23 2118 – Woman preaching (one can tell by the voice tone and expression) in Spanish, 102 watt night signal mixed with WFEA, WDEA and others. (TF-NH)
- 1390 WRIV NY Riverhead** – 2/20 2124 – At least 60 year oldies stuff, clustered, with deep fades, music by Judy Garland, Nelson Riddle, and others introduced, and an ID for “1390 WRIV”. 64 watt night signal pretty much alone on the frequency. (TF-NH)
- 1410 WHLN KY Harlan** – 3/1 0555 – Call sign ID at this time followed by Mumford and Sons song “I Will Wait”. News on the hour followed, then some info from the Kentucky News Network. Jingle call sign ID in the clear at 0604. (JW-PA)
- 1450 WILM DE Wilmington** – 2/28 2140 – Man and woman talking about Biden in Delaware (old Joe's home state), other Delaware references and “Newsradio” slogan, soon as expected returning to the mush. (TF-NH)
- 1470 WSAN PA Allentown** – 2/28 0615 – Oldies music, on “Real Oldies 1470”. Flip from all-podcast format. (LW-NY)



- 1480 WLEA NY **Hornell** – 3/8 1805 – Running roughshod over others, including a Chinese talker (presumably WZRC New York), with “AM 1480 FM 106.9 WLEA” ID into Dave Ramsey show. (MKB-ON)
- 1490 WINQ VT **Brattleboro** – 2/28 2128 – Country music, ID for “98.7 and 106.9, WINQ Country”, into more C&W. WINQ is my most usually heard station on 1490 at night. Nearby semi local WEMJ is seldom heard after dark. (TF-NH)
- 1550 WITK PA **Pittston** – 2/12 1730 – Religious programming, slogan “the Voice of Truth.” Good signal, on top of frequency. (LW-NY)
- 1590 WCSL NC **Cherryville** – 2/20 2102 – Country music, non ID by male announcer for “92.3 FM and 1590 AM” under usual WARV and others. Non-directional 30 watt night signal straining mightily to reach New Hampshire. New for me. (TF-NH)
- 1650 CINA ON **Mississauga** – 2/24 2144 – Indian music, station formats a South Asian format, alone on frequency with 680 non-directional watts. (TF-NH)
- CKZW QC **Montreal** – 2/9 1830 – “Through the Bible” program on “CKZW 1650”. Nice signal. (LW-NY)

GRAVEYARD DX UPDATE

Tim Hall, 1244 Crystal Springs Dr., Chula Vista CA 91915-2123

TimHall1@gmail.com

1230 kHz

Station	State	City	DXer	DX Location	Miles
KWG	CA	Stockton	Wayne Heinen	Aurora, CO	894
KOTS	NM	Deming	Tim Hall	US 6/50 at NV/UT Border, UT	587
KTNC	NE	Falls City	Wayne Heinen	Aurora, CO	486
KWTX	TX	Waco	Tim Hall	Pearsall, TX	216

1240 kHz

Station	State	City	DXer	DX Location	Miles
KSUE	CA	Susanville	Wayne Heinen	Aurora, CO	840

1400 kHz

Station	State	City	DXer	DX Location	Miles
KCYK	AZ	Yuma	Wayne Heinen	Aurora, CO	732
KCOG	IA	Centerville	Wayne Heinen	Aurora, CO	630
KBYG	TX	Big Spring	Wayne Heinen	Aurora, CO	545
KAZZ	UT	Parowan	Wayne Heinen	Aurora, CO	458

1490 kHz

Station	State	City	DXer	DX Location	Miles
KOKC	OK	Guthrie	Wayne Heinen	Aurora, CO	497

Total Stations Heard

DXer	DX Location	1230	1240	1340	1400	1450	1490	Total
Wayne Heinen - Aurora, CO		30	29	21	38	35	39	192
Wayne Heinen - Colorado Springs, CO		8	6	21	19	4	9	67

I was recently provided with a fresh membership list, which allowed me to audit the record files for the first time in a while. Some of the above records are the result of records being vacated because the previous record-holder left the club. For the few years that I have been editing the column, whenever a record was beaten, I kept track of the previous record(s). So when an existing record-holder leaves the club, I can sometimes automatically revert to the previous record-holder as long as they are still in the club. Note that the latest listing of records for 1240 kHz was submitted prior to this audit, so a few records had not yet been updated with "(SK)" to indicate that the record-holder was deceased.

I'm sure someone can beat the KWTX logging above, which was the best one I had on file. Here are the remaining US records that were vacated, where I didn't have a previous record on file to revert to: 1230 - WCKJ-GA, WMLR-TN; 1240 - WATT-MI; 1400 - KEYL-MN, WMMZ-SC. 73 Tim



International DX Digest

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

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

All times are Universal Coordinated Time (UTC)

TRANS-ATLANTIC DX

- 171 **MOROCCO** *R.Mediterranee Internationale*, Nador FEB 26 0248-0304 – Talk between man and woman, the woman sounds like French-accented Arabic, man in Arabic with no accent, mentioned Shariah; Arabic music. Fair. [Frodge-MI]
- 198 **UNITED KINGDOM** *BBC Radio 4*, Droitwich et al. FEB 26 0235 – Man and woman in English regarding Ukraine; best in USB mixing with strong DIW; 0304 English on Ukraine parallel 6195 BBC. [Frodge-MI]
- 252 **ALGERIA** *R.Algerienne*, Tipaza FEB 26 0245 – Man and woman talk in French; mixing with splash from 250 UGS; best in LSB. [Frodge-MI]
- 549 **ALGERIA** *Jil FM*, Sidi Hamadouche MAR 13 0558 – Fair; choral marching band national anthem. [Conti-NH]
- 693 **UNITED KINGDOM** *BBC Radio 5*, Droitwich et al. MAR 13 0100 – Fair; "This is BBC Radio Five Live," and "BBC news at 1 o'clock." [Conti-NH]
- 711 **WESTERN SAHARA** *SNRT* Laaâyouné MAR 13 0100 – Het against 710 WOR; not readable but presumed with signals also observed at Morocco frequencies 596 and 936 kHz. Measured 710.996 kHz as listed. [Conti-NH]
- 774 **SPAIN** *RNE1* synchros MAR 13 0100 – Fair; marker and Spain/Canaries time checks into servicios informativos, parallel 639 and 747 kHz. [Conti-NH]
- 855 **SPAIN** *RNE1* Murcia et al. MAR 13 0600 – Fair; servicios informativos. [Conti-NH]
- 1089 **UNITED KINGDOM** *TalkSport* synchros MAR 10 2359 – Fair with synchro echo; ad string including clear McDonald's whistling sounder, "On DAB digital radio, and 1089 and 1053 AM... TalkSport." [Conti-NH]
- 1098 **SPAIN** *RNE5* synchros MAR 3 0559 – Music, time pips, stinger, into news, parallel 1107 et. al. [Brandi-NJ]
- 1143 **SPAIN** *COPE* Jaén//Ourense MAR 3 0559 – Stinger, time pips, into news, parallel 1296; offset 1143.0038 suggests Jaén. [Brandi-NJ]
- 1296 **SPAIN** *COPE* Valencia MAR 3 0559 – Time pips, ID, into news. [Brandi-NJ]
- 1305 **SPAIN** *RNE5* synchros MAR 3 0559 – Music, time pips, stinger, ID, into news, parallel 1314, 1503 kHz. [Brandi-NJ]
- 1314 **SPAIN** *RNE5* synchros MAR 3 0559 – Music, time pips, stinger, ID, the usual. [Brandi-NJ]
- 1413 **MOLDOVA** *Vesti FM*, Grigoriopol MAR 13 0358 – Fair; deep voiced man in Russian, touchtone sounder, another touchtone sounder after top of the hour. [Conti-NH]
- 1413 **SPAIN** *RNE5* synchros MAR 3 0359 – Time pips, stinger, ID; weak [Brandi-NJ]
- 1422 **ALGERIA** *R.Algérienne*, Algiers MAR 3 0401 – Algerian national anthem. [Brandi-NJ]
- 1503 **SPAIN** *RNE5* La Línea de Concepción//Piñeira MAR 3 0559 – Music, time pips, stinger, time check and ID, into news; offset of 1502.9933 suggests Cadiz (La Línea). [Brandi-NJ]

PAN-AMERICAN DX

- 690 **MEXICO** *XEN* México, DF FEB 18 0900 – Time pips over music, ID. [Brandi-NJ]
- 710 **CUBA** *R.Rebelde*, multiple sites MAR 13 0059 – Under WOR and 711 Western Sahara het; "Rebelde la Habana, emisora de la revolución" with dramatic organ music. [Conti-NH]
- 1140 **MEXICO** *XETEC* *R.Tecpatán*, Tecpatán, Chis. FEB 19 1129 – Full ID and address; fair with XEMR likely off; Chis. #2. XEMR, normally 24h, blasted in with the anthem at 1200, so perhaps they are taking some nights off. [Jeziorski-QRO]
- 1210 **MEXICO** *XECOPA* *La Voz de los Vientos*, Copainalá, Chis. FEB 20 1220 – Sign-on at 1200, folk music, and ID as "XE-copa" with slogan; poor but alone; Chis. #3. [Jeziorski-QRO]

CONTRIBUTORS

Ralph Brandi, Middletown NJ; Perseus SDR/Jaguar Pro, 140-ft DKaz at 42°, SuperLoop at 180°.
 Bruce Conti WPC1CAT, Nashua NH; WiNRADiO Excalibur, terminated SuperLoop antennas 15 x 23-m at 60° and 180°, terminated double Delta at 60°.
 Harold Frodge, M.A.R.E. DX'pedition, Brighton MI; Drake R8B, Icom R-75, 500-ft dogleg east-west/north-south unterminated Beverage.
 Mike Jeziorski, Juriquilla, Querétaro, México; Perseus, Kiwi SDR's, and W6LVP Loop.

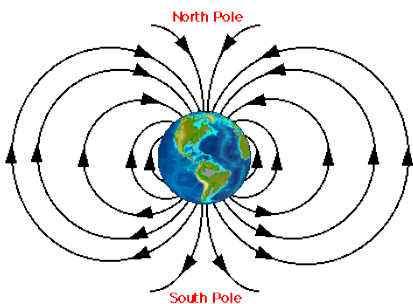
INTERNATIONAL NEWS

UKRAINE: *Focus on Ukraine* at <https://cidxclub.ca/ukraine/> is a compilation of news reports, feature articles, references, web links, monitoring information, radio frequencies, independent monitoring reports and more, focusing on the media, communications, radio broadcasting, etc. related to the Russian invasion of Ukraine, by the Canadian International DX Club. [Sheldon Harvey, *RealDX*] 549 is off the air, the tower has been captured. [Laszlo Tringer, March 8, *DXing.info*]

73 and Good DX!

Unreported Domestic Stations

One station reported to DDXD for the first time this issue since at least Volume 67 (1999-2000): WNAP-990. We still have 239 rare target stations left on our list of full-service U.S. and Canadian stations (100 Watts or more) that have not been reported during this time. The most recent update of the list was in issue 88-18, but an updated copy is available on request from NRCDXNews@gmail.com.



Geomagnetic Indices

Geomagnetic Summary February 2022

Via Phil Bytheway – Tabulated from Geomagnetic Forecast
E-mail status daily (K index at 0000 UTC)

Date	Flux	A	K	Space Weather	Date	Flux	A	K	Space Weather
2/ 1	129	7	4	no storms	15	114	5	1	no storms
2	128	12	1	no storms	16	103	9	3	no storms
3	127	27	3	minor, G1	17	97	5	1	no storms
4	130	32	4	minor, G1	18	93	6	2	no storms
5	126	12	2	no storms	19	96	9	2	no storms
6	124	15	3	no storms	20	93	13	2	minor, G1
7	127	7	2	no storms	21	98	12	3	no storms
8	123	5	1	no storms	22	95	16	2	minor, G1
9	126	3	2	no storms	23	96	6	2	no storms
10	118	21	4	minor, G1	24	92	7	2	no storms
11	113	20	4	minor, G1	25	96	8	1	no storms
12	111	13	3	minor, R1	26	97	2	1	no storms
13	105	15	3	no storms	27	97	13	2	no storms
14	107	8	1	no storms	2/28	99	8	2	no storms

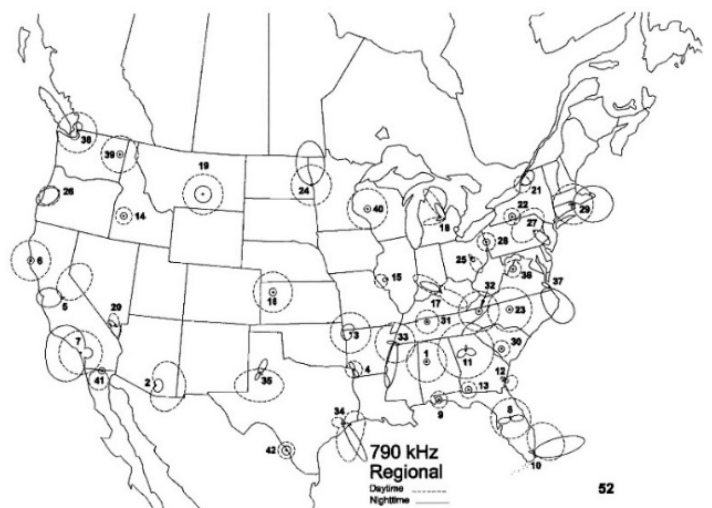
Sx – Solar Radiation Storm Level / Gx – Geomagnetic Storm Level / Rx – Radio Blackouts Level.

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\$43.80 and all other countries are US\$54.90, both shipped Global Priority Mail.

The Pattern book may also be ordered using Pay Pal from our website <http://www.nationalradioclub.org/> at slightly higher prices.



Musings of the Members

Linda Brodsky zekesgm@gmail.com

Non-electronic submissions: Send to Publisher (see AM Switch for address)

Next deadline: **April 1, 2022**

René Auvray, Gardena CA

As I told Bill Hale of Domestic DX Digest-West, the report I made to him and this musing, is a little hard for me to make. I never thought I would experience a radio channel (1110 AM) go dark in Los Angeles. The stations I remember very well were KRLA, KSPN, KDIS and KRDC. It is KRLA I always remember and I will reflect on. Radio history has that KRLA went on the air in September, 1959 as a Top 40 station. During its run, KRLA was number one from 1964 to 1969; it would be much listened to. Notable DJ's who went through KRLA were Bob Eubanks (who later became big with the game shows on T.V.) and Kasey Kasem, who would start American Top 40 in July, 1970. Two jingles I remember very well; "KRLA Hit Radio 11", "Oldies But Goodies." One teacher I had in high school said she liked KRLA because of the oldies but goodies format; we students liked the music from Top 40 to album oriented radio. For me, it was the heavy metal revival. In 1984, on the 15th anniversary, KRLA re-aired, "The Pop Chronicles." (It was first aired on the 10th anniversary in 1969). As AM Top 40 stations were going to the wayside during the 1980's to the 1990's, KRLA hung on until November, 1998.

When that day happened, the light on the AM dial finally went out; ending 40 years of Top 40 radio in Los Angeles. Ironically, it was KFWB 980 that started Top 40 radio in 1958. Because KRLA has a wealth of radio history, I will share more of it in future musings. As I get ready to dive into KRLA radio history and other radio stations in Los Angeles, 73, Rene.



Wayne Heinen, Aurora CO amlog@nationalradioclub.org

Hi all, finally done with the October recordings... Finally broke 500 logging mark for the season standing at 508 as I write this. Highlights are 5 new ones since my last Muse. Best was finally getting some audio out of Algeria on 531 for a new African station. Others included my 2nd California graveyarder KWG-1230 Stockton, KZXR-1310 Prosser WA, WCPT-820 Crystal Lake IL and KGVY-1080 Green Valley AZ. In other news the 42nd Edition of the *AM Radio Log* is sold out and I'm starting to gather information for the 43rd. Please check your *Log* and update any of your local stations' listings for us. It is, by the way, the National Radio Club's *AM Radio Log*! I hope to hear from many members soon. Till next time 73 and Good DX to all!

Denny Lee Adkins KE8KLH Huntington, W.Va

Just the facts. This DX season has been a dud. The highlight was the last few days when some of the old spark seemed to return. 770 WABC New York City was in strong here last night with Cousin Brucie's Saturday night Oldie Show. Cousin Brucie has been around Top 40 since time immemorial. I heard "What Kind of Love Is This" by Joey Dee and the Starlighters. I haven't heard that record in a coon's age. Also, 740 CFZM Toronto "Zoomer" had the usual great selection of tunes. "Zoomer", as it is known because of its reach down south. New MW DXers should not despair. The really big fish show up when the sunspot cycle is hot. In the mid 1950s I used to watch American Bandstand on WFIL-TV after school. You might liken our hobby to sitting in the cheap seats at the baseball game. You can still hear California if you try.

Linda Brodsky, Malverne, NY

Unattended IQ recording, a feature of SDR programs, or just recording one frequency over a period of hours, has a lot of positive aspects. It can be a great convenience when I can't be at the receiver during prime DX times. like sunrise and sunset or overnight. And nothing beats the ability to schedule top of the hour or half hour recordings for several hours across the entire BCB. The ability to go back and listen to a recording over and over often yields IDs that were missed the first or even second time around. Finally, having a recording is a good way of validating and recalling receptions, though admittedly not as much fun as getting a QSL. However, there's a few downsides to all this convenience. One drawback is the inability to switch antennas or make other adjustments when you aren't sitting at the receiver. Instead of spending an hour or two at the receiver, I find I'm spending several hours playing back recordings and sometimes several days worth pile up. I sometimes resolve not to make too many lengthy recordings, but I've developed a severe case of FOMO (fear of missing out) and I haven't reached the point of stopping yet.

For those of you who use unattended recording, either IQ recordings or just one frequency at a time, how has that affected your participation in the hobby?

Noise Ingress Testing and Reduction

Rick Kunath K9AO

I've put together some thoughts and techniques that I and others have developed and used over the years to determine where the receiving system needs improvement. I hope that some of these ideas might be helpful as you battle your own noise problems.

Sometimes it is hard to know where to start. I've heard this test suggested many times but it's a good first step. Using a battery-operated radio that can hear the noise you're trying to eliminate or your SDR on a laptop, listen to the noise and then shut off all of the electrical circuit breakers to your residence. If the noise disappears or is reduced, you know you can make an improvement by locating and eliminating the sources that are local to you and that you have control over. Turn on the circuit breakers one at a time to see which circuits power the offending devices. Then, one circuit powered on at a time take your radio and begin to unplug or disconnect devices until you find the noise source. Once you know what the problem is you can research how to clean it up. If the noise does not appreciably change, then you know the main noise source is outside your residence and it's something that you don't have direct control over.

If you don't control the noise source the next easy step to take is to use that battery operated radio and on the medium wave band and walk around. Check the immediate area of your residence to see where the noise is loudest. Rotate the radio to put the end of the ferrite bar antenna towards suspected noise sources and see if the noise level decreases. This isn't going to help you much if the noise frequencies are higher than mediumwave, shortwave for example. If you have a radio that will take an external shortwave antenna, a simple one turn two to three foot diameter loop out of hook-up wire and a 365 pf series tuning capacitor can be coupled to the radio via a much smaller secondary loop and then into coaxial cable to the radio. This loop is tuned to resonate on one of the noise frequencies and you null through the center. The power company will use something similar to this to look for leaking insulators and other faults on the power grid. Remember, should you think it is a power pole issue, tilt the loop to put the null overhead and towards the suspected offending equipment. And of course, it goes without saying, be careful. If you can identify a power grid issue, reporting interference by the power grid to broadcast program reception to the appropriate power company department will get this resolved. If it is something else, then it's down to detective work and social engineering. A neighbor may not know that they have a device failing and have a potential fire hazard unless you mention it to them. In my experience they're grateful to have you help them determine what is possibly failing. But your mileage may vary, and the problem is not always a failing device.

Now, assuming we have done all we can with the noise sources we control, let's talk about testing and tightening up noise ingress on our receiving system.

The first thing you will want to do is to find out where the noise is getting in. Of course, if that's the antenna then we can skip all of the next few suggestions, but if you don't try them, you'll never know if it actually *is* coming in via the antenna. You might want to post to this group's email list and tell us about the antenna you're using and ask for suggestions before doing any of the steps below.

One of the simplest things you can do is to install a common-mode choke effective at the frequencies of interest at the antenna end of the coax to see if that affects anything (more on what constitutes a good choke below). It's possible that the noise will disappear. But, to dig deeper and see just how well your shielding is handling noise ingress, see the steps below.

Here is what I do when I want to test for noise ingress:

First, get yourself a shielded terminating cap. It doesn't have to be 50 ohms. A 75-ohm CATV terminator cap works too, but it should be 100% metal and shielded. You can use a low wattage all-metal dummy load, and these are available for about 20 USD. A larger dummy load you might have or borrow will work too, but it must be 100% shielded. So, the usual open-holed case type dummy load won't work. If you're just doing this for the SDR or a receiver, get a CATV 75-ohm terminating cap and adapters to fit the connectors on your SDR or receiver and the connectors on the ends of your coax. I have some SMA 50 ohm terminating caps I bought cheap on Amazon, and I keep any unused SMA ports on the SDR covered with these caps. Do not make up jumpers for this, you want full metal adapters. I.e., everything fully enclosed 100% in metal.

Next, disconnect all of the antennas from the SDR or receiver. Place the terminating caps on the antenna inputs, and a short jumper from both antenna connections to the ground connection on the green 3-terminal Hi-Z input if you have that too.

Then start the SDR app or tune the receiver and see what the noise floor looks like. It should not have any evidence of the noise interference you were seeing. The spectrum should be nice and flat

and at a very low level. If it isn't there is something wrong with the shielding on the SDR or the receiver or you have something going on with the PC. Your USB cable from the PC to the SDR should have ferrites on each end. And it should be a shielded USB cable. As others on the list will tell you too, ferrites aren't the be-all end-all for common-mode rejection since the core type and turns through them greatly affect this. So, the solution needs to be engineered, and no one design will do it all. But it is a good starting point. I find the USB cables with a ferrite on each end work fine for me here. If this is a laptop, pull the AC adapter and see if the noise goes away. If it does, you have a noisy switching power supply in the power adapter and that noise is leaking through the USB power connections into the SDR. You can't redesign the laptop so your fix there would be to find a clean AC adapter to use (if you need AC power while receiving). If this is a PC then a better power supply may be the next step, or a shielded case if you have the cute windows in the case for gamers that destroy the case shielding. Turn off everything but the PC itself and use headphones to listen to see if this is the PC itself while the SDR app is running. If the noise is still there it's the PC. Now you have to determine if it is the case or the power supply. Some aluminum foil wrapped tight around the PC case (temporarily or you'll overheat it) and cables is a simple test to see if better shielding affects the noise. The foil test works on an SDR too. If the PC case is all metal and has no windows you're probably just fine on the case, but it's a simple step to get the case out of your head as a possible problem. In some of the smaller and "cute" little PC cases you really won't have much choice in alternate power supplies. I have a full size fully shielded PC case and after I tested a few power supplies I wound up with a Corsair AX1500i (the current model is an AX1600i, I think). It's well made, and though I don't need the 1500 watts for my PC, if I'm under 500 watts load it's dead quiet because the fan doesn't need to run. Additionally, it has many separate power rails. I have a 4-port USB PCIe card by StarTech that uses 4 separate Renasys USB chipsets that I connect my SDRs to (it's been absolutely flawless under Windows and Linux). The card has a separate power connector for the USB port power; its a 4-pin CDROM drive type connector, and that I have connected to a separate power rail on the Corsair power supply. So, no power for the SDRs comes from the motherboard card slot and I'm isolated from everything else in the PC. It's quiet and clean noise-wise. Hopefully you will see a clean spectrum when you test the PC and won't need to look further into the PC case or power supply. That's usually the case. Monitors are another thing entirely. Some are dead quiet, and some are terrible. If a monitor has a noisy external power supply, you might be able to replace that. I've been known to haunt my local PC parts store with a portable radio testing to see which monitors are quiet and which aren't. Asking for recommendations from others is a good way to avoid some PC or monitor you have to try to fix.

Now with the above done and testing OK, on and out from the SDR or receiver.

Connect the coax to the antenna to the SDR or receiver antenna port. Then at the antenna end of the coax cable disconnect the antenna and connect the terminating cap to the coax. Look at the spectrum on the SDR app or the receiver again. It should still be nice and flat. If it isn't then you either have something wrong with the coax, bad or cheap coax, or improperly installed connectors, or possibly some combination of the three. Get that fixed before you do anything else. Test any coaxes to antennas one at a time.

Once the coax is ingress tight and anything has been fixed that needed to be, then connect the antenna. See what the spectrum looks like. If it's bad again then we need to determine one other thing. Depending on the antenna in use, the antenna itself may be allowing noise picked up on the coax run and not really there at the antenna to get onto the coax inner shield surface and then into the SDR or the receiver. A common-mode choke at the antenna end will stop this if that's the case. A well-designed commercial antenna should have this handled as a part of the design. A doublet or dipole type antenna directly connected to coax will not stop this common-mode noise ingress. Most baluns won't either because they are built in plastic boxes and nothing but wires inside. A balun in a metal box would generally work well. And a common mode choke designed for the frequency range you are looking at on that antenna installed at the antenna end of the coax will. But not all common-mode chokes are created equal.

So, let's talk about how coax works. There are three surfaces on a coaxial cable as far as RF (radio frequency) is concerned. The outer surface of the center conductor, the inner surface of the shield, and the outer surface of the shield. This is because of the skin-effect. RF does not flow on the entire cross section of a conductor like DC or low frequency AC does, but just on the surface of a conductor. The shield on a coaxial cable actually has two separate surfaces as far as RF is concerned. The energy from the antenna appears as an electric field between the outer surface of the center conductor and the inner surface of the shield. If the coax is well made and the connectors are installed properly, noise on the outer surface of the shield can't make the transition to the inner surface of the shield and get into the SDR or the receiver. The above-described tests check that the inner surface and the outer surface of the coaxial cable shield are isolated from each other.

Now a bit about common-mode chokes and that point at the end of the coaxial cable that connects to the antenna. If you are using a beverage, a flag, a Kaz or Dkaz, or an antenna something like these, then you may possibly have a ground rod at the antenna feedpoint that connects to the coaxial cable's shield. This may give you the isolation that you need. It will also allow for possible ground currents to flow along the coax cable's shield towards or away from the shack end of the cable. The discussion of a ground system is something that can be researched, and I won't dwell on this in any detail here but suffice it to say that you don't want induced currents from lightning or other things flowing on that coax cable's shield. A balun or unun or other type of coax cable isolator might be helpful here to prevent these currents either at the antenna end of the cable or the shack end or both. Usually this is something you will need to test and try as you add or remove things to get where you need to be on ingress isolation and maximum front-to-back ratio on the directional antenna. A common-mode choke would also be a good idea at one end of the cable, and likely best at the antenna end to handle any ingress from direct antenna connections or baluns or other matching devices that do not maintain coaxial cable shield surface integrity, or on both ends of a long cable run. A properly designed common-mode choke must maintain shielding integrity on its output to not allow noise ingress from its input onto the inner surface of the shield of the coaxial cable its output is connected to. It must present a high impedance to currents flowing on the outside of the coax cable shield at the frequencies of interest. For receiving use, I like the common-mode chokes that are built on a piece of low-loss coaxial cable and consist of a series of stacked toroid cores of a sufficient length and core type that are either slid tight right over the cable outer jacket or wrapped securely through the cores several times to provide a large enough impedance to block any appreciable currents from passing them in either direction on the shield of the coax. This type of common-mode choke design presents a mostly resistive impedance to the currents on the outside of the coaxial cable shield.

The above testing is a bit of work, but once you have the necessary stuff at hand it really doesn't take too long to run through. I have used these techniques many times to get things tight and clean.

Once you have the coax cable feedlines ingress tight, another thing you can do is to see if you can find an antenna placement that reduces or largely eliminates the noise. Try a few alternate antenna locations and setups and see if you can improve things. If you can't, you could try a magnetic loop and see if the noise source is at an angle that responds to you nulling it out with the loop. The test loop antenna I described above is something you could try before you spend anything on an expensive preamplified broadband magnetic loop antenna. Lots of people swear by these commercial broadband receiving loop antennas for noise reduction via nulling.

And lastly, these days using an outboard phaser or the diversity capability of an SDR like the SDRplay SDR Duo you can phase two antennas together to either create useful patterns for DXing or to reduce noise. If all you're trying to do is reduce noise, a second antenna that gets mostly noise can be used phased against another antenna that gets mostly the desired signal. I have been using these techniques very successfully with the SDRplay SDR Duo for the past several years, not only for noise reduction but also on mediumwave to DX on a crowded channel. I can adjust the antenna pattern by phasing two different loop antennas together to separate stations on the channel. So, even if you can't get the local noise level down to a level that would satisfy you, you might still be able to reduce it to a level that still lets you enjoy DXing by phasing.

My hope is that someone else might find some use for any of the above ideas.

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