

DX News

Serving MW DXers since 1933

Volume 92, No. 17 • July 8, 2025 • (ISSN 0737-1639)

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NRC Log #45 Sold Out! The 45th edition of the *AM Radio Log* is SOLD OUT! The deadline to produce the 46th edition will be August 1. Wayne Heinen is still looking for help with the new *Log*, and you can contact him via email at amlog@nationalradioclub.org or at NRC Log, P.O. Box 473251, Aurora, CO 80047-3251.

Last call for volunteers to help update the *Log* before the next publication date. Please do contact Wayne if you're able to contribute ... the more information we can gather from actual monitoring and checking the better and more accurate the *Log* can be.

From the Publisher: This is (finally) the last of our every 3-week issues ... we had some extra breaks in the schedule during the year the way the holiday calendars worked out, and so we've had a couple of thin issues lately, but we should be back on our usual calendar now with monthly issues over the summer.

This is the first issue we've run the Domestic DX Achievements column in almost two years (gulp! Sorry!) and I think I've included all the updates people have sent me since then, but I can't be 100% sure. If your totals are out of date, or if you've never contributed, please do send your totals to me at NRCDXNews@gmail.com and hopefully it won't be nearly as long before your updates make it into print.

We'll be back in four weeks with another issue of *DX News* and hopefully some information on pre-ordering the new edition of the *Log*.

From the Archives

90 Years Ago: From the July 1935 issue of *DX News*: As discussed at the club get-together in York, plans are underway for a contest to recruit new members for the NRC during the next DX season; the member who signs up the most new members will win a set of Raytheon tubes. The first shortwave DX program broadcast for the NRC was held on the evening of May 18, sponsored by the Reich-Rundfunk Gesellschaft. (Oh my.) The second annual NRC member get-together is scheduled for June 23.

75 Years Ago: From the July 15, 1950 issue of *DX News*: Many members reported the new all-night program of KDAL-610 Duluth, according to one member their verification card for the program was "a government post card which looks like it was typed on an electric typewriter."

50 Years Ago: From the July 14, 1975 issue of *DX News*: The FCC is set to liberalize the rules governing construction permits to new and existing stations, concluding that the rules adopted in 1964 and 1973 to limit growth of stations on the AM band were too restrictive.

25 Years Ago: From the July 17, 2000 issue of *DX News*: Jean Burnell in Renewals, Newfoundland logged five X-band stations from Argentina during the auroral conditions on June 10. Mark Connelly road-tested the Palstar R30 at his DXpedition site in Rockport, Mass.; seems the Drake R8A had overall better performance.

10 Years Ago: From the June 22, 2015 issue of *DX News*: New station CJLI-700 in Calgary has been testing on the air.

All *DX News* back issues through *Volume 91* are available online at <https://nationalradioclub.org/dx-news-archives/>.



Volume 92 DXN Schedule

No	D'dline	Print	19	Aug. 24	Sept. 2
18	July 27	Aug. 5	20	Sept. 14	Sept. 23

AM Switch

David Yocis, 9412 Ferry Landing Court, Alexandria VA 22309, NRCDXNews@gmail.com
NRC AM Log updates from Wayne Heinen, amlog@nationalradioclub.org
NRC AM Log data mining provided by Bill Hale; Canadian info compiled by Jon Pearkins

FCC and CRTC Decisions and Applications



CALL CHANGES

Changes reflected in FCC/Industry Canada databases:

1050 KFIO WA Dishman – Call change to KSPO (June 16).

Other FCC actions:

680 KBRD WA Lacey – Granted call change to KGTK (to be effective June 29) and to KUTI (to be effective July 1).

920 KGTK WA Olympia – Granted call change to KBRD (to be effective June 29).

All of these call changes were granted on June 30 ... the FCC system has had problems dealing with call changes that are granted after the requested effective date, sometimes taking months to update.

STATIONS GOING DARK

1640 WTNI MS Biloxi – License cancelled June 23, at licensee’s request; had been silent since June 25, 2024.

CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs fully licensed and on the air:

720 WJIB MA Cambridge – Granted license to cover CP with U2 5000/189 ex-740 kHz, new site (co-located with WEZE-590) at 42-24-24.4, 71-05-12.2.

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

1320 WDIZ FL Venice – Applies for license to cover CP with U4 5000/142, current site at 27-06-19.2, 82-23-58.3.

CPs granted:

700 WQVD MA Orange-Athol – Granted CP with D1 2300, CoL to Paxton MA, new site (co-located with WQVR-940) at 42-18-11.0, 71-53-50.0.

940 WQVR MA Webster – Granted CP with U1 570/4, CoL to Paxton MA, new site (co-located with WQVD-700) at 42-18-11, 71-53-50.0.

1040 WHBO FL Pinellas Park – Granted CP with U2 3600/430, current site at 27-50-52.4, 82-46-22.4.

1090 KAAZ AR Little Rock – Granted CP with U2 50000/3400, current site at 34-36-02.1, 92-13-24.2.

1190 KNUV AZ Tolleson – Granted CP with U1 640/22, new site (co-located with KXEG-1280) at 33-29-36.9, 112-08-21.2.

1430 WYGI TN Madison – Granted CP with U1 10000/25, new site (co-located with WYFN-980) at 36-12-27.0, 86-40-23.0; replaces prior CP for U1 1500/25 at same new site.

Applications for CPs received:

1090 WCRA IL Effingham – Previously applied for U1 640/25 upon KAAZ-1090’s reduction in night power, now amends application to U1 640/11.

1300 WKQK FL Cocoa Beach – Applies for CP with U1 2500/320, CoL to Melbourne Beach FL, Valcom antenna at new site at 28-03-27.5, 80-38-11.1.

1400 WBAT IN Marion – Applies for CP with U1 650/650, new site (co-located with WMRI-860) at 40-33-14.0, 85-38-43.0, replacing identical CP which has expired unbuilt.

1550 WRHC FL Coral Gables – Applies for CP with U4 1000/100, CoL to Doral FL, new site (co-located with WWFE-670 and current STA site) at 25-51-29.4, 80-28-53.2, replacing identical CP which has expired unbuilt.

CPs cancelled:

1510 WMEX MA Quincy – CP with U8 (DA during CH only) 10000/100, current site, cancelled.

SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

560	WRDT	MI	Monroe – Granted STA, U1 125/14 from licensed night site, lost one day tower to mowers cutting the guy lines.
580	KIDO	ID	Nampa – Granted STA, U2 5000/1250 from CP site (KBOI-670 towers), superseding previous STA for U1 5000/1250 from the old site.
800	KPDQ	OR	Portland – Granted STA, U1 500/500, transmitter repairs.
890	KDXU	UT	Saint George – Granted STA, U1 10000/2500 from licensed site, superseding STA for lower-power operation at CP site.
1110	WTOF	AL	Bay Minette – Granted STA, D1 250, 221' LW at 30-41-16.7, 87-47-54.0, silent station needs to broadcast (has used these facilities under STA before).
1190	WVUS	WV	Grafton – Granted STA, U1 250/22, transmitter problems.
1220	WREV	NC	Reidsville – Granted STA, D1 5 or higher, reduced tower height.
1320	WGOC	TN	Kingsport – Granted STA, U1 5000/125.
1340	KZNG	AR	Hot Springs – Granted STA, U1 200/200, lightning damage.
	WJPF	IL	Herrin – Granted STA, U1 200/200, transmitter problems.
1400	KSHP	NV	North Las Vegas – Granted STA, U1 500/500, tower at 36-12-52.3, 115-09-21.4.
1510	WMEX	MA	Quincy – Granted STA, U1 8200/100 (ch 2000), power amplifier failure.
1590	KLIV	CA	San Jose – Granted STA, U1 1550/1250 or U2 1550/2500, CP tower (diplexed with KVVN-1430) at 37-19-48.0, 121-52-01.0.
1640	KDZR	OR	Lake Oswego – Granted STA, U1 4000/1000, transmitter problems.

Applications for STA and other variance notifications received:

610	WRUS	KY	Russellville – Applies for STA, U1 59/59, antenna repairs.
790	KURM	AR	Rogers – Using U2 1000/500, transmitter problems.
1560	KGOW	TX	Bellaire – Applies for STA, U3 15000/15000, night site and pattern 24 hours; vandalism and theft of equipment from day site.
1600	WMQM	TN	Lakeland – Using U1 2000/35 to cut electricity costs; will apply for CP.

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

600	KGEZ	MT	Kalispell – Granted STA extension, U1 140/140, whip at 48-09-43.0, 114-08-02.0.
770	WTOR	NY	Youngstown – Granted STA extension, D3 7800 (up from previous D3 7500).
850	KFUO	MO	Clayton – Granted STA extension, L1 1900 from CP site.
	KEYH	TX	Houston – Granted STA extension, U1 500/3, tower at 29-49-32.8, 95-22-35.8.
930	KIUP	CO	Durango – Granted STA extension, U1 525/100.
	WPAT	NJ	Paterson – Granted STA extension, omit pattern monitoring requirements.
950	WORL	FL	Orlando – Granted STA extension, U2 12000/10000, Cuba QRM.
1000	WXTN	MS	Benton – Granted STA extension, D1 500.
1020	KMMQ	NE	Plattsmouth – Granted STA extension, U4 30000/1400 or U4 5000/1400 or U3 1400/1400, repairs to transmitter.
	KCKN	NM	Roswell – Granted STA extension, U4 30000/50000, night pattern 24 hours.
1030	WONQ	FL	Oviedo – Granted STA extension, U1 45000/425.
1090	KBOZ	MT	Bozeman – Granted STA extension, U1 1250/1250.
1190	KNUV	AZ	Tolleson – Granted STA extension, U1 1250/62.5.
	WPSP	FL	Royal Palm Beach – Granted STA extension, U4 2200/410, Cuba QRM.
1230	KOBB	MT	Bozeman – Granted STA extension, U1 47/47, 200' LW at 45-39-26/110-48-22.
1240	KDSK	NM	Los Ranchos de Albuquerque – Granted STA extension, 1000/1000, pole at 35-00-48.8, 106-39-50.0.
1270	WCMR	IN	Elkhart – Granted STA extension, U1 62/13.
1320	WDIZ	FL	Venice – Granted STA extension, U4 5000/142 (down from previous U4 5000/250), day pattern 24 hours.
1340	KBNW	OR	Bend – Granted STA extension, U1 1000/500, 100' LW at 44-03-32/121-17-57.
1360	WNAH	TN	Nashville – Granted STA extension, U1 250/27, whip at 36-13-36.3, 86-43-42.6.
1380	KXFN	MO	Saint Louis – Granted STA extension, D3 5000, no night operation during KFUA-850 diplexing.
1400	WBAT	IN	Marion – Granted STA extension, U1 500/500, 140' wire at 40-33-40.1, 85-41-29.9.
	WKPT	TN	Kingsport – Granted STA extension, U1 250/250, whip at 36-35-35.8, 82-31-26.7.
1420	KRIZ	WA	Renton – Granted STA extension, U1 250/125, KYIZ-1620 tower at 47-26-28/122-12-10.
1430	KVVN	CA	Santa Clara – Granted STA extension, U1 250/625.
1490	WSIR	FL	Winter Haven – Granted STA extension, U1 10/10, whip at 28-01-12.0, 81-46-17.0.

- WYYZ GA Jasper – Granted STA extension, U1 90/90, whip at licensed site at 34-28-32.3, 84-26-12.7.
- 1530 WZTE PA Union City – Granted STA extension, D1 2400 (ch 250).
- 1550 WSDK CT Bloomfield – Granted STA extension, U4 5000/750.
- WRHC FL Coral Gables – Granted STA extension, U1 1800/225 from WWFE-670 tower.
- 1560 WAHT SC Cowpens – Granted STA extension, D1 3000 (ch 870).
- KZIZ WA Pacific – Granted STA extension, U1 2000/4.9 (down from previous U1 2000/225), CP tower at 47-17-58.4, 122-11-18.2.

Applications to extend previously granted STAs received from KZZB-990 Beaumont TX, KSDO-1130 San Diego CA, WGDH-1200 Lares PR, KKDZ-1250 Seattle WA, WENA-1330 Yauco PR, WWRF-1380 Lake Worth FL, WLRM-1380 Millington TN, KMYC-1410 Marysville CA, KBPS-1450 Portland OR, KZNB-1490 Petaluma CA, WIKE-1490 Newport VT, and WGIT-1660 Canovanas PR.

Termination of STAs:

- 1360 KBUY NM Ruidoso – Back to licensed operations June 22; STA for low power moot.
- 1540 KXPA WA Bellevue – Back to licensed operations June 6; STA for ND operations moot.
- 1550 WAZX GA Smyrna – Application to extend STA for LW at alternate site dismissed; station is silent and looking for a new site.
- 1590 WABV SC Abbeville – Back to licensed operations June 12; STA for low power moot.

SILENT STATIONS

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

- 790 KURM AR Rogers – Silent since July 1 (2024); on the air with reduced power June 25.
- 1110 WTOF AL Bay Minette – Silent since July 2 (2024); on the air with STA June 30.
- 1220 WREV NC Reidsville – Silent since Feb. 17; on the air with STA June 18.
- 1260 KNBL ID Idaho Falls – Silent since June 30 (2024); back on the air June 17.
- 1490 WANG MS Biloxi – Silent since June 25 (2024); back on the air June 20.
- KFCR SD Custer – Silent since July 10 (2024); back on the air June 18.

Stations that have notified the FCC that they are silent:

- 700 WQVD MA Orange-Athol – Silent June 28; to facilitate relocation under CP.
- 730 WDOS NY Oneonta – Silent May 29; economic conditions.
- 770 KAAM TX Garland – Will go silent July 6; loss of licensed site.
- 960 WSVU FL North Palm Beach – Silent June 7; loss of licensed site.
- 1000 WJNZ AL Robertsdale – Silent June 27; lightning damage and possible relocation.
- 1340 WKCB KY Hindman – Silent June 17; lightning damage.
- 1390 KBBO WA Yakima – Silent June 10; vandalism damage.
- 1450 KCTI TX Gonzales – Silent June 1; transmitter problems.
- 1460 WQXM FL Bartow – Silent June 7; problems with signal quality.
- 1470 WGNR IN Anderson – Silent June 24; transmitter site upgrades.
- 1490 KFCR SD Custer – Silent (again) June 24; financial problems.

Three stations that have been silent since June 2024 have not yet notified the FCC that they resumed broadcasting: KEII-690 Blackfoot ID (June 30), WAEC-860 Atlanta GA (June 10), and WECR-1130 Newland NC (June 18). If their continued silence is verified by the FCC, these licenses will be cancelled. Silent stations with their one-year deadline coming up in July are WQRX-870 Valley Head AL (July 8) and WRON-1400 Ronceverte WV (July 17); don't be surprised to hear these stations on the air even briefly to maintain their licenses before the deadline.

COMMERCIAL/NONCOMMERCIAL STATUS

- 1320 WGET PA Gettysburg – Applies to change to noncommercial status.



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. Send either within your email (preferred), or as an attachment in plain text. All times are Eastern Local Time (ELT)!! In some instances, minor editing may occur. Reports older than 30 days may be excluded at the editor's discretion. New members are especially welcome to report!! Remember . . . if you want your email address published, include an "OK" with your report.

Thanks to all who take time to submit their latest loggings to the column. Much appreciated! Remember to give yourself credit (XX-XX) after each logging!

Here's wishing all Canadians a HAPPY JULY 1st and Americans a HAPPY JULY 4th.



Please observe the following . . .

. . . upcoming deadlines for DDXD-West: Issue 18: July 25; Issue 19: August 22. See you here! (???)

--- REPORTERS ---

- NB-WI Neil Bartlett Mt. Horeb, Wisconsin Quodosen DX-286
- EC-CA Eric Cooper Riverside, California Qodosen DX 286 using Tecsun AN200 Loop
- TK-FL Terry Krueger Niceville, Florida Receivers: IC-R75, NRD-535, ICF-7600GR, Tecsun PL-360; Antennae: active loop, random fence-stapled wire, miscellaneous junk
- JP-AB Jon Pearkins Edmonton, Alberta Qodosen SR-286 and Sangean PR-D15, both barefoot on batteries with internal ferrite bar antennas
- JJR-MI John J Rieger L'Anse, Michigan Grundig Satellit 750 -Terk AM1000 loop, Grundig S450-DLX stock, 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
- MR-UT Mike Riordan Salt Lake City, Utah Sony SRF-1 + Radio West Loop; Realistic DX-440 + Select-A-Tenna
- JW-CO John Wilkins Wheat Ridge, Colorado Receiver: Drake R-8; Antenna: 4-foot box loop

--- NOTES FROM CANADA ---

Jon Pearkins jon@pearkins.com



Corus has finally been given some good news by the CRTC: they will be eligible for the Local News Fund created by taxing those (e.g. - Google, Facebook) who provide access to Canadian News sources. Corus had previously been specifically excluded, along with integrated communications giants like Bell, Rogers and TELUS. The exclusion came from the Shaw family's ownership stake in Corus, before they sold Shaw Communications to Rogers and Freedom Mobil to Quebecor.

Ben Mulroney is the son of a former Canadian Prime Minister. His radio show is aired evenings on Corus AM talk stations. He has just expanded the show into the video world by simulcasting it on YouTube. The CRTC is trying to improve their public proceeding process. "A public proceeding is a formal process for gathering public input that helps us make decisions on matters related to broadcasting and telecommunications in Canada." The new public proceedings page can be found at: <https://applications.crtc.gc.ca/portail-portal/eng/listes-lists/public-proceedings/1>

On June 11, the CRTC did one-year Administrative License Renewals for 448 radio stations, including the AM stations listed below. A rare Dissenting Opinion was included from Commissioner Ellen C. Desmond, K.C., noting that 314 of these licenses were previously administratively renewed, forcing some of these stations to wait even longer to request license amendments, thanks to the CRTC's current moratorium on amendments except those where "exceptional circumstances exist."

740 CBX AB Edmonton – Noted off the air for a few seconds just before **2400** on June 14 while switching from their two-tower day pattern to their four-tower night pattern. A reminder of just how late June sunsets are in Edmonton, offering an opening for skywave while CBX is sending a lot more power South on day pattern. The station has fixed a recent timing issue where the AM transmitter was several seconds behind their repeater CBX-2-FM. There is now only a sub-second audio delay.

1230 CFFB NU Iqaluit – Effectively, the CBC wants to transfer CFFB’s license to their repeater, CFFB-FM-3 which is also in Iqaluit. The multi-step process would begin by issuing CFFB-FM-3 a broadcast license of its own; it is presently licensed as a rebroadcaster as part of CFFB’s license. The second step would be move all other CFFB rebroadcast transmitters to CFFB-FM-3 license. Third, CFFB-FM-3 would boost power from 179 to 640 Watts. Finally, CFFB’s license would be cancelled and the AM transmitter would go silent. There is no mention of a three month simulcast period for CFFB and CFFB-FM-3.

1470 CJVB BC Vancouver – A Facebook user is reporting that CJVB has submitted a CRTC application to merge programming with sister station CHKG-FM Vancouver, and shut down the CJVB-AM transmitter. Approval of any such application is considered doubtful, but the CRTC published the application to consolidate on FM. CJVB’s AM operation is believed to be profitable.

The following stations have had their licenses renewed until **August 31, 2027**:

560 CFOS	ON Owen Sound	– [The station has been approved to move to FM but has not yet done so.]	980 CFPL	ON London	
			1040 CKST	BC Vancouver	– [This probably indicates that Bell hopes to sell this silent station. The transmitter site is still fully operational. Co-owned and duplexed CFTE-1410 still has its license, last renewed January 18, 2021, which also expires August 31, 2027. CFTE is also silent and presumably still for sale.]
570 CKWL	BC Williams Lake				
570 CFCB	NL Corner Brook				
570 CKGL	ON Kitchener				
570 CKSW	SK Swift Current				
580 CKWW	ON Windsor				
590 CFAR	ON Flin Flon				
590 VOCM	NL St. John’s				
600 CFQR	QC Montreal				
610 CHNL	BC Kamloops		1140 CHRB	AB High River	
610 CHTM	MB Thompson		1150 CJSL	SK Estevan	
620 CKCM	NL Grand Falls		1190 CFSL	SK Weyburn	
650 CKGA	NL Gander		1210 CFYM	SK Kindersley	
650 CKOM	SK Saskatoon		1220 CJRB	MB Boissevain	
660 CFFR	AB Calgary		1240 CJAR	MB The Pas	
680 CJOB	MB Winnipeg		1240 CKIM	NL Baie Verte	
710 CKVO	NL Clarendville		1250 CHSM	MB Steinbach	
730 CKAC	QC Montreal		1270 CJCB	NS Sydney	
750 CKJH	SK Melfort		1290 CFRW	MB Winnipeg	– [This silent station has an application, currently before the CRTC, to be sold by Bell Media to Akash Broadcasting Inc., along with also-silent CKMX-1060 Calgary.]
770 CHQR	AB Calgary				
800 CJBQ	ON Belleville				
800 CKLW	ON Windsor				
800 CHAB	SK Moose Jaw				
840 CFCW	AB Camrose				
870 CFSX	NL Stephenville		1330 CJYM	SK Rosetown	
880 CHED	AB Edmonton		1340 CJEV	AB Elkford	
910 CKDQ	AB Drumheller	– [Undoubtedly, a clerical error since there is no mention of CKDQ-FM, which recently replaced CKDQ-AM.]	1350 CKAD	NS Middleton	
			1400 CHNL-1	BC Clearwater	
			1410 CJWI	QC Montreal	
			1450 CFAB	NS Windsor	
			1490 CJSN	SK Shaunavon	
920 CFRY	MB Portage La Prairie		1540 CHIN	ON Toronto	
930 CFBC	NB Saint John		1610 CHHA	ON Toronto	
930 CJYQ	NL St. John’s		1650 CKZW	QC Montreal	– The CRTC published an application to increase day power
940 CFNV	QC Montreal				
940 CJGX	SK Yorkton				
950 CFAM	MB Altona		1670 CJEU	ON Ottawa	
960 CFAC	AB Calgary		1690 CHTO	ON Toronto	
960 CKNT	ON Mississauga		1690 CJLO	QC Montreal	

--- UNIDS ---

1240 UNID – 6/23 0346 – Heard previous early mornings, but this is the latest observation with Bill Withers, The Beatles, 10CC, and Glenn Campbell. Not parallel various date checks on streamings WTWA, KANE, WZQK, WGCM. WPAX Thomasville, Georgia is possible, though I can’t even hear them daytime and their streaming is naturally dead. (TK-FL)

- 1370 UNID – 6/10 2113 – Poor, with end of St. Louis Cardinal's game, then four national ads, and Cardinal's post-game show. No affiliate I can find for the Cards on 1370. (JJR-WI)

--- DX LOGGINGS ---

- 640 KFI CA Los Angeles – 6/23 0457 – Tuned down from listening to WSM to shockingly find Radio Progreso (Guanacaboa site) off! Very rarely does this happen. And there was a mostly poor 'Coast to Coast,' into hard break bumper theme at 0458, then i-Heart Radio promos to top of hour clear ID by man, into seven minutes of national and local spots, parallel station stream. Back to C2C at 0507. (Apparently, they have no network news affiliation.) [That is fact – BH] KWPB, and slight WBIN and WVLG co-channel. This may be my first KFI logging from Florida in decades. KFI was my first California AMer from Florida (when living in Casselberry, FL), and only the second to date with 1070 KNX being a semi-regular here. (TK-FL)
- 640 KWPB OK Moore – 6/23 0439 – ESPN spew, commercial break with a "WWLS-FM 98.1" simulcast ID liner. Fair-to-good peaks with Radio Progreso silent. (TK-FL)
- 650 KGAB WY Orchard Valley – 6/20 0117 – Very unusual DX conditions, with KGAB all alone. With a Coast to Coast AM local break for ID spoken by male announcer to rhyme: "News-Talk, Around the Clock, KGAB." Heard a few times previously, but this is the first call letter ID ever heard here. Quite surprising given KGAB's 500 Watts, versus regulars: KMTI's 900 Watts, CISL's 4000 Watts and CKOM's 10,000 Watts. Maybe someday I'll hear WSM's 50 KW! (JP-AB)
- 740 WDBG WI Hudson – 6/22 0654 – Poor, with very short "Wee-Gee" between Neil Sedaka and Glen Campbell songs. (JJR-MI)
- 770 KAAM TX Garland – 6/27 0314 – Excellent, obviously cheating at 10 kW vs. 1 kW, with the 'David Spoon Experience' brokered Christian talk, parallel station stream. (TK-FL)
- 790 KGHL MT Billings – 6/19 0551 – Poor- "Eastern Montana and Northern Wyoming's Mighty 790 KGHL." Alone, steady. (JJR-MI)
- 910 WBZH WI Hayward – 6/22 0707 – "Weather on the Buzz of the North, 910AM WBZH" over a weak WFDF. Poor. (JJR-MI)
- 950 KTNE MN St. Louis Park – 6/22 0706 – "Nightingale Burgers in Minneapolis." Poor, but Alone, with WWJ gone. (JJR-MI)
- 1030 WBZ MA Boston – 6/20 0130-0133 – Very unusual DX conditions, with WBZ all alone and no sign of KTWO, until 0133 when the situation reversed, with KTWO in and no sign of WBZ. Local WBZ Newscast included an ABC News report, despite WBZ being a CBS affiliate. Not surprising, since I have heard KYW-1060 run different network newscasts at different times each hour. In Vancouver back in 1965, WBZ was my favorite station, as they played the Top 40 hits first. (JP-AB)
- 1050 WJOK WI Kaukauna – 6/22 0700 – Poor, with Legal ID, then "Relevant Radio and the Relevant Radio app." Then a repeat show later. (JJR-MI)
- 1070 KNX CA Los Angeles – 6/20 0541 – Very poor, though a clear "KNX News" noted. Not in much this year, but appreciated! (JJR-MI)
- 1090 KBOZ MT Bozeman – 6/18 0618 – Brief fade-in with Country music due South at same time as KOFI-1180 on 1 kW STA was strong. KBOZ's STA is 1250 Watts non-directional, compared to KOFI's night pattern sending about 2 kW North to me. (JP-AB)
- 1100 WISS WI Berlin – 6/10 2127 – Very poor, with baseball score: "3 to 1 Brewers." Equal with WTAM. (JJR-WI)
- 1210 WJNL MI Kingsley – 6/22 0622 – "Northern Michigan's ??? Country – Wine Country Radio." Poor. (JJR-MI)
- 1220 CFAJ ON St. Catharines – 6/20 0619 – Poor, with ". . . this is CFAJ, Classic 1220, St. Catharines, a division of Radio Dhun." (JJR-MI)
- 1230 WFER MI Iron River – 6/24 0707 – Very poor, with clear "WFER" and "97-9 WFER." Rare, bad ground conductivity around these parts: iron/copper deposits. (JJR-MI)
- 1240 WCNC NC Elizabeth City – 6/27 0230 – Man WITH ID, network spots, and back to 'Coast to Coast' at 0234. Fair-to-poor on peaks. **First time log.** (TK-FL)
- 1250 KCUE MN Red Wing – 6/22 0705 – "America's Best Country, Bluff Country." Poor, with some WSSP. (JJR-MI)
- 1270 WMKT MI Charlevoix – 6/11 0633 – "Sunny and 73 today . . . Triple Talk WMKT." Poor. (JJR-WI)



- 1280 KVXR MN Moorhead – 6/20 0702 – Very poor, with the ‘Sonrise Morning Show’ from EWTN. Lost quickly to WWTC. Only fit here. **Heard again on 6/24 @ 0638** – Poor, with EWTN’s Catholic chatter. No WWTC or WNAM. Now, That was unusual! (JJR-MI)
- 1310 WTLC IN Indianapolis – 6/11 0654 – Poor – Just caught “Indy’s Praise” into ad for ‘Optima Tax Relief.’ No WIBA. (JJR-WI)
- 1310 KOKX IA Keokuk – 6/11 0656 – ‘Wonderful One’ by Marvin Gaye, then calls into a devotional. Poor, replacing WTLC. (JJR-WI)
- 1310 WDTW MI Dearborn – 6/14 0648 – Shocked to hear “la Z” briefly, as WCCW is more common in WIBA’s absence. Poor. (JJR-WI)
- 1310 KNOX ND Grand Forks – 6/24 0716 – Poor, with “6:16 at KNOX. The Twins are slipping fast” No WIBA. (JJR-MI)
- 1340 WLEW MI Bad Axe – 6/19 0633 – Poor, with ‘Old Hippie’ by the Bellamy Brothers. “Good morning, from WLEW, weather . . . ,” Alone. (JJR-MI)
- 1340 WAGN MI Menominee – 6/22 0800 – Poor, with a Legal ID for the AM plus a “100.1 FM” mention followed by ABC News. (Best I could do.) (JJR-MI)
- 1350 WCMP MN Pine City – 6/19 0522 – “. . . stream Anthem Country at WCMPradio.com.” C&W music. Poor. (JJR-MI)
- 1360 WVRQ WI Viroqua – 6/11 0619 – Calls, ‘Mellow Yellow’ by Donovan (1966). Poor, with WTAQ in the back. (JJR-WI)
- 1370 WLTH IN Gary – 6/10 2142 – Poor, with calls, ‘Yes We Can, Can’ by the Pointer Sisters. Power cut at 2145 leaving KDTH and WSPD. (JJR-WI)
- 1370 KGNO KS Dodge City – 6/12 0725 – Ag news and prices from the Kansas Farm Bureau Radio Network. Fair signal, with no QRM – usual co-channel occupant KSOP is apparently silent. (JW-CO) [Yup, KSOP turned in their license. They gone! – BH]
- 1380 KOTA SD Rapid City – 6/10 0723 – Weather forecast, “News Radio 1380 KOTA” ID, then back to ‘America in the Morning.’ Generally fair signal. (JW-CO)
- 1400 KKTL WY Casper – 6/10 0712 – C&W hits, interspersed with “Real Country” and “The Cowboy” slogans. Fair. (JW-CO)
- 1430 KNSP MN Staples – 6/24 0656 – With Minnesota News Network, “AM 1430 – FM 98.5 the Fan” slogan. Poor, but no WRDN / others. (JJR-MI)
- 1430 WRDN WI Durand – 6/19 0711 – “1430-107-3 FM, Reel Country” between songs. CHKT in earlier. Poor. (JJR-MI)
- 1450 KTZR AZ Tucson – 6/15 0659 – Promo for ‘iHeart Radio’ leading up to legal ID which included “Tucson’s Sports Station” and “Fox Sports 1450” slogans; baseball scores from Fox Sports followed; soon lost to KGIW. (JW-CO)
- 1450 WRLL IL Cicero – 6/14 0643 – Poor, though alone, with SS chatter by man. Only fit here. Can go months without hearing, but summer doldrums. Yes. (JJR-WI)
- 1450 WHTC MI Holland – 6/9 0630 – Poor, with “Where Holland comes to talk: 99-7, 1450 WHTC, WHTC.com” into news. Alone. **Made another appearance on 6/20 @ 0648** – “WHTC” with sunrise, sunset times, highs, lows. Logged while chasing others. Very Poor. (JJR-MI)
- 1450 WMIQ MI Iron Mountain – 6/9 0615 – “Iron Mountain’s Classic Hits – 1450 WMIQ” over another OLDies station. Poor. (JJR-MI)
- 1450 WNBX MI Newberry – 6/19 0700 – “. . . the Coffee Crew on WNBX Newberry” into ABC news. Poor. (JJR-MI)
- 1450 KFIZ WI Fond du Lac – 6/9 0721 – “KFIZ news time is 6:20” into wx chatter. Poor, but Atop. (JJR-MI)
- 1450 WRCE WI Richland Center – 6/9 0706 – “. . . the Civic Media app” and ‘Brewers’ and ‘Wausau’ mentions in sports. Very Poor. (JJR-MI)
- 1470 WRYU WI West Bend – 6/10 0645 – ‘Another One Bites the Dust,’ then calls and mentions of ‘92.9’ and ‘101-3.’ Poor-to-Very Poor, with some WMBD. (JJR-MI)
- 1480 WDYS IL Somonauk – 6/16 0608 – C&W music vs. the usual WLMV. “Woody Country 101-5” between songs. Poor. (JJR-WI)
- 1490 WZOE IL Princeton – 6/16 0606 – Poor, but atop, with “regionalmedianews.com” and calls. It’s been a while. (JJR-WI)
- 1490 KRIB IA Mason City – 6/11 0650 – “AM 1490 and 96.7 FM KRIB” into ‘Something’ by the Beatles. Poor, though alone. (JJR-WI)

BROADCASTING
Since 1930



- 1490 WHOC MS Philadelphia – 6/24 0213-0234 – ‘I Was Raised On Country Sunshine’ (presumably by Dottie West of all those who’ve covered it), male ID. Mostly dominating when checking of allegedly reactivated WANG Biloxi. (TK-FL)
- 1510 KMSD SD Milbank – 6/19 0708 – Poor, though steady, with South Dakota news stories, mentioning ‘Pierre,’ ‘Rapid City,’ ‘Sturgis,’ etc. Alone. (JJR-MI)
- 1520 WKVI IN Knox – 6/11 0611 – Poor- “I’m Becca Shepherd from the WKVI . . .” while chasing others. Poor. Luck! (JJR-WI)
- 1520 WPAY OH Rossford – 6/22 0640 – With “. . . on the Morning Air Rewind after this” Poor, but alone and steady. (JJR-MI)
- 1530 WLCO WI Lapeer – 6/22 0613 – “Bridge 96.7” and usual instrumentals. Poor, with WCKY in the back. (JJR-MI)
- 1550 KXEX CA Fresno – 5/21 0750 – Ad for “isaiah62fast.com”; soon faded but resurfaced at 0759 for legal ID: “You are listening to Talk Radio 1550 AM and 102.3 FM KXEX Fresno.” Fair, mixing with KZDG. (JW-CO)
- 1550 KZDG CA San Francisco – 6/2 0731 – South Asian vocals, occasional female announcer with “Radio Zindagi” IDs. Fair at times, but usually under KXEX. (JW-CO)
- 1550 WJIL IL Jacksonville – 6/24 0059 – Fair, with ID and mention of ‘102.9.’ Listed @ a mighty 10 Watts! 318 miles. (NB-WI) [102.9 (W275BM) used to be their translator, but in 2013 that facility changed to WJVO 105.5. So . . . WJIL should update their announcements! WJIL’s current translator is W246DP 97.1 – BH]
- 1550 KESJ MO St. Joseph – 6/25 0935-0936 – Fair, with an ad for a local car dealership and a brief ID. (NB-WI)
- 1550 WQCD OH Delaware – 6/11 2134 – Poor, with lively SS music. “La Grande 92.9 FM” at 2138. Been a while. (JJR-WI)
- 1560 WRIN IN Rensselaer – 6/12 0104-0105 – Strong, with ID as “Bear Country.” Mentioned “106.5” and into local weather. Wiki says no nighttime power but maybe a change? (NB-WI) [They have a 500 Watt pre-sunrise authorization and a 500 Watt Critical Hours authorization, so obviously their computer went on the “fritz.” Possibly others should be looking for them!? – BH]
- 1560 WGLB WI Elm Grove – 6/9 0641 – Poor – “ParadiseMemorial.com” (website parked!) (There is one in Milwaukee.) Assumed. (JJR-MI)
- 1580 WMDX WI Columbus – 6/10 0657 – “Come work with us – CivicMedia.US.” In/out with WWSJ. Very Poor. (JJR-MI)
- 1600 WAAM MI Ann Arbor – 6/10 2106 – “Waam Radio, American made. Waam Radio” into ‘Joe Pags.’ Poor, but no KGYM. (JJR-WI)

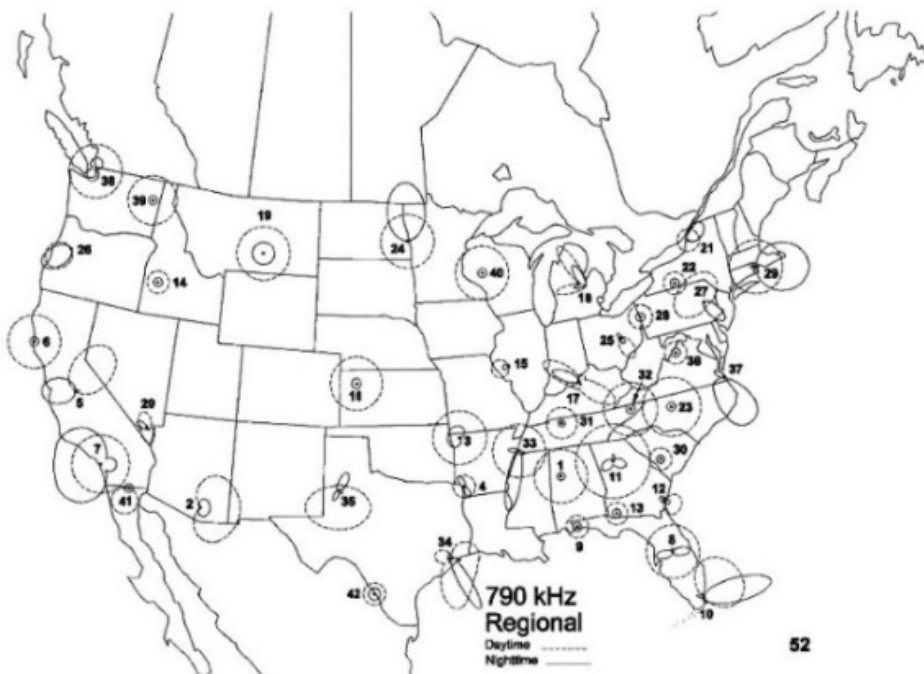


NRC Antenna Pattern Book 8th Edition

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\$45.10 and all other countries are US\$62.25, 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.



Domestic DX Digest – East

Mike Brooker, 99 Wychrest Avenue, Toronto ON M6G 3X8 (Canada), patria1818@yahoo.com
Loggings of U.S. and Canadian stations by DXers in the Eastern and Atlantic Time Zones
All times are Eastern Local Time (ELT)

REPORTERS

HJH-PA Harry Hayes, Wilkes-Barre – C Crane Skywave, Tecsun PL-390, Kiwa Pocket loop
JW-PA Jim Weber, Oyster Point – Grundig S350
WW-NC Webster Williams, Butner – Sony SRF-35
MKB-ON Mike Brooker, Toronto – Grundig YB-400PE, XHDATA D-808 and D-109, Sihudadon R-108, C Crane Skywave, Tecsun PL-330, Qodosen SR-286, Panasonic RF-2200
Follow me on X/Twitter! [@patria1818](https://twitter.com/patria1818) DX-related tweets will be hash-tagged #MWDX.
Friend me on Facebook! www.facebook.com/keval.mike On Instagram and Threads **brookermike**

STATION NEWS

1270 WUSW NY Niagara Falls – The WECK-1230 oldies simulcast didn’t last long. As of July 4 (date no doubt deliberately chosen), they will flip to conservative talk, “1270 the Patriot,” featuring Sean Hannity, Glenn Beck, as well as some local politicians. Per <https://radioinsight.com/headlines/302614/patriot-to-arrive-in-buffalo/> the station’s owner Buddy Shula tried to affiliate with Fox News Radio, but was denied. Instead WUSW will carry Salem Media Group’s Town Hall News and Bloomberg and CNBC business reports. **(MKB-ON)**



LOGGINGS

990 WNTP PA Philadelphia – 6/10 2205 – ID as “Philadelphia’s 990, The Answer” into Mark Levin show. Fair to strong over usual WDCX-Rochester. **(HJH-PA)**
1070 WKOK PA Sunbury – 6/20 0550 – Out of string of national ads with “America’s First News on News Radio 1070 WKOK” over usual CHOK. **(MKB-ON)**
1340 WMBO NY Auburn – 6/12 2121 – Ad for Antiques at 501 West which is toward Auburn from Syracuse. Brief readability in a fuzzy mix of several stations. **(JW-PA)**
1380 WSYB VT Philadelphia – 6/10 2237 – Weak to fair under WKDM-NY. Ad for Home Depot, ID and mention of FM 100. Format, 70’s and 80’s rock. **(HJH-PA)**
1390 WFBL NY Syracuse – 6/20 0310 – “The biggest hits are on the Dinosaur” slogan at this time then Bee Gees with “More Than a Woman.” **(JW-PA)**
WBHV PA State College – 6/8 2044 – “Pop Radio” slogan and mention of 93.3 FM. **(JW-PA)**
1400 WRAK PA Williamsport – 6/13 2129 – Clear ID at this time and another “slow count” ID the following morning at 0405. **(JW-PA)**
1450 WCTC NJ New Brunswick – 6/20 0400 - Sports talk, “Fox Sports Radio New Jersey,” mixing with WPGG. **(JW-PA)**
1690 WPTX MD Lexington Park – 6/20 2215 – “DOZ (?) Mothership” slogan then “Downtown” by Petula Clark followed by Bread with “I Want to Make It With You.” **(JW-PA)**

(WW-NC) checks in with a daytime bandscan from Butner (a little north of Raleigh-Durham).

540 WETC NC Wendell-Zebulon – 5/16 1329 – Talk show about home schooling.
620 WDNC NC Durham – 5/16 1334 – Usual sports talk show.
680 WPTF NC Raleigh – 5/16 1335 – Contest promo: grill giveaway, \$50 Wagyu beef gift cards.
850 WKIX NC Raleigh – 5/16 1336 – Ad for King’s Auto Service, oldies.
1030 WDRU NC Creedmoor – 5/16 1338 – Usual religious programming.
1150 WBAG NC Burlington-Graham – 5/16 1340 – Very weak with oldies.
1200 WSML NC Graham – 5/16 1345 – Weak with C&W music.
1310 WTIK NC Durham – 5/16 1347 – Spanish, “La Ke Buena.”
1340 WCBQ NC Oxford – 5/16 1350 – Weak with Gospel/Blues tunes.
1360 WCHL NC Chapel Hill – 5/16 1352 – Modern/New Age music.
1410 WRJD NC Durham – 5/16 1345 – Spanish, “Somos la Verdad” network, followed by list of cities carrying the program.
1490 WDUR NC Durham – 5/16 1356 – Ethnic programming, possibly in Farsi or an Indian language.
1530 WLLQ NC Chapel Hill – 5/16 1358 – Spanish with Mariachi music.
1570 WNCA NC Siler City – 5/16 1400 – Nostalgia tunes, really old flapper music from the 1920s.

International DX Digest

Bruce Conti, 46 Ridgely Drive, Nashua, NH 03062-1174, contiba@gmail.com

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

All times are Universal Coordinated Time (UTC)

TRANS-ATLANTIC DX

- 549 **ALGERIA** *Jil FM*, Sidi Hamadouche JUN 14 0259 – Fair; “Dik Echamaa” by Casbah Groove. [Conti-NH]
- 595 **MOROCCO** *SNRT Oujda* JUN 14 0400 – Solid s5 signal but no readable audio as usual; measured 594.999 kHz as listed. [Conti-NH]
- 747 **CANARY ISLANDS//SPAIN** *RNE5 Las Palmas//Cádiz* JUN 14 0359 – Fair; piano instrumental bumper music to pips and time checks, “Radio Nacional de España, servicios informativos,” the best of the RNE signals parallel 585, 603, 639, 684, and 774 kHz. No transatlantic signals observed in 0500 UTC bandscan. [Conti-NH]

PAN-AMERICAN DX

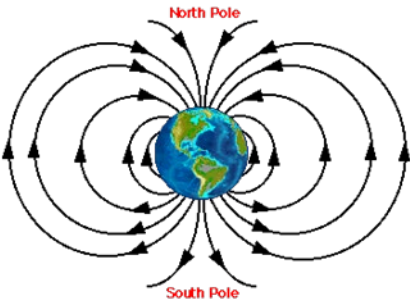
- 640 **COLOMBIA** *HJBJ, RCN*, Santa Marta, Magdalena JUN 23 0919 – Fading in and out, sometimes decent level, with man and woman patter, *RCN* slogan and *RCN* sounders. Logged thanks to *R.Progreso* Guanabacoa site off air which is extremely rare, though back up mid-morning local check. This *RCN* site is a bit northeast of coastal Barranquilla, so no wonder it is audible, Cuba allowing. Maybe my first Magdalena province log. [Krueger-FL]
- 650 **CUBA** *R.Progreso*, Ciego de Avila JUN 23 0830 – Worthy of noting that “The Wobbler” has taken on a new characteristic: between wobbling noise, it is/was dropping to a police car siren-like noise. Messing with WSM as always. [Krueger-FL]
- 750 **CUBA** *R.Progreso*, Palmira JUN 16 0359 – Fair; “Radio Progreso, cadena nacional, la onda de la alegría...” and marching band national anthem parallel 640 kHz. [Conti-NH]
- 760 **COLOMBIA** *HJAJ, RCN*, Barranquilla JUN 29 0400 – Under WJR; *RCN* sounders. Measured offset frequency 759.998 kHz as listed. [Conti-NH]
- 760 **MEXICO** *XEABC México, CMDX* JUN 29 0600 – Measured 760.011 kHz as listed. Also observed 759.990 kHz listed as XENY, but no sign of XEDGO offset. [Conti-NH]
- 760.13 **MEXICO** *XEDGO La Mejor*, Durango, Dgo. JUN 16 0625 – JBA het upon 760.00 WJR which just IDed; not noted before, but a good match at MWoffsets as 760.125 kHz. IRCA Mexican Log shows sked 1300-0500 with 500 watts night, and parallel 103.7 XHDGO, still active on AM SEP 24 (logged on local SDR), but operating sporadically, sometimes with distorted audio, reported off-frequency ~760.13 kHz JUL 22, and ID AUG 23 mentioned FM call followed by FM and AM frequencies. Although it was known for some time, I had not noticed it before. JUN 23 0227 – Het upon WJR again. [Hauser-OK]
- 1000 **COLOMBIA** *HJAJ, RCN*, Cartagena JUN 14 0400 – Fair; alternating man and woman accompanied by sounders, time marker. [Conti-NH]
- 1080 **CUBA** *R.Cadena Habana*, Villa María JUN 16 0400 – Fair; interval signal-like sounders, choral national anthem. [Conti-NH]
- 1130 **VENEZUELA** *YVRL R.Ideal*, Maiquetía JUN 15 0100 – Fair with WBBR cancelled; “Huele a Peligro” by Myriam Hernandez, then woman presenter. 0358 religious discussion, milagro, etc., then announcer into 0400 choral national anthem. JUN 16 0100 – Fair; “Me Cambiaste la Vida” by Rudy LaScala. [Conti-NH]
- 1180 **CUBA** *R.Rebelde*, multiple locations JUN 29 0359 – Fair with significant echo between Rebelde stations over het from 1179 Canary Islands; midnight lullaby and choral national anthem. [Conti-NH]
- 1309.68 **COLOMBIA** *HJAK Voz de la Patria*, Barranquilla JUN 9 0441 – New JBA carrier hetting 1310.00 stations. MWoffsets listed as 1309.676 kHz. [Hauser-OK]
- 1550 **CUBA** *R.Rebelde*, Cienfuegos JUN 29 0600 – Easily picked out from the cluster of offsets surrounding 1550.0 CBEF, measured at 1549.986 kHz as listed. Also observed unID 1549.965 and 1549.984 kHz offsets among others, but no sign of anything lower. [Conti-NH]
- 1549.82 unID JUN 9 0440 – That carrier hetting 1550.00 stations easily audible; if not XEREL, what? [Hauser-OK]
- 1550.58 unID JUN 21 0643 – JBA carrier hetting 1550s rather than the ‘usual’ 1549.82 presumed XEREL, could still be there, inaudible right now. Nothing so far away in MWoffsets. [Hauser-OK]
- 1560.11 unID JUN 21 0642 – JBA carrier hetting 1560s such as Vietnamese KGOW Texas. Nothing that far away in MWoffsets. [Hauser-OK]



CONTRIBUTORS

Bruce Conti WPC1CAT, Nashua NH; WiNRADiO Excalibur, Mini DXP-5 broadband phasing unit, SDR# Co-Channel Cancellor, SuperLoop antennas 60° northeast and 180° south, double Delta 60° northeast.
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, IC-R75 with ~100-ft east/west long wire.
Terry L. Krueger, Boggy FL; IC-R75, NRD-535, ICF-7600GR, ICR-7600D, Tescun PL-360, active loop, random fence-stapled wire, misc. junk.

73 and Good DX!



Geomagnetic Indices
Geomagnetic Summary June 2025

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
6/1	150	107	4.00	severe, G4, S2	16	148	10	2.00	moderate, R2
2	140	69	5.67	strong, G3, R1, S1	17	139	09	3.00	strong, R3
3	135	58	2.33	strong, G3	18	137	13	3.67	minor, R1
4	134	26	3.00	minor, G1, R1	19	136	12	3.00	strong, R3
5	128	12	2.33	no storms	20	130	09	1.00	minor, R1
6	128	08	2.00	no storms	21	120	12	3.00	no storms
7	121	30	4.33	minor, G1	22	125	09	2.00	no storms
8	115	15	4.33	no storms	23	122	08	1.33	no storms
9	120	15	3.00	no storms	24	120	07	1.67	no storms
10	129	09	3.00	no storms	25	117	15	4.33	no storms
11	141	18	5.00	minor, G1	26	117	26	5.00	minor, G1
12	142	33	5.33	minor, G1	27	118	21	2.67	minor, G1
13	143	66	5.67	moderate, G2	28	122	09	2.00	no storms
14	151	24	3.00	moderate, G2, R1	29	128	08	2.67	no storms
15	161	10	2.00	moderate, R2	6/30	128	11	2.67	no storms

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

GRAVEYARD DX UPDATE

Tim Hall, 1244 Crystal Springs Dr., Chula Vista CA 91915-2123
TimHall1@gmail.com

		Total Stations Heard						
<u>DXer</u>	<u>DX Location</u>	<u>1230</u>	<u>1240</u>	<u>1340</u>	<u>1400</u>	<u>1450</u>	<u>1490</u>	<u>Total</u>
Jim Weber	Oyster Point, PA	7	15	13	18	12	7	72

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At the NRC Publication Center you can order any or all of the following DX resources:

- The latest *NRC Log* and *Antenna Pattern Book*
- Antenna books: *Beverage and Longwire Antenna Design and Theory*, the *Antenna Reference Manual* (vols. 1, 2, and 3), and *Loop Antenna Design and Theory*.
- Sunrise and sunset maps, *The Challenging Crystal Set*, and the *Getting Started in MW DXing* book.
- Reprints of a wide variety of articles that have appeared in past issues of *DX News*.

For more information and to order, visit <https://nationalradioclub.org/publication-center/>



Musings of the Members

Linda Brodsky – zekesgm@gmail.com

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

Next deadline: July 25, 2025

Jon Pearkins, Edmonton AB jon@pearkins.com

New to me, despite 60 years' experience with Spurs, is my June 19 discovery that a local RFI source could also create Spurs: so-called Spurious signals where local stations appear on something other than their assigned frequencies. My 60 year twin hatreds of RFI and Spurs began in Vancouver when my well-meaning father built me a long-wire antenna in the attic, to inductively couple by wrapping the end of the wire around my DX radio, the family late-1950s Philips 8-transistor portable table radio. The excessive RFI likely came from the nearby electrical wiring runs installed in the attic back in 1951 when the house was built. Severe RF overload caused Spurs all over the band on the fairly sensitive Philips.

After that, I ran the Philips barefoot, with batteries and internal antenna, until I finally had the money to buy a Lafayette HA-230 communications receiver. Having learned my lesson, I talked my father into helping me build an unamplified box loop with the biggest variable capacitor that I could find in friends' used parts boxes, and grounded shielded coaxial lead-in. It worked well, though I would occasionally run into weak spurs, most notably one I recently found on an old tape, where CHQM-1320's News sounder can be heard under KGA-1510 Spokane WA, because of the Mixing Product $1320 + 1320 - 1130$ (CKWX) = 1510.

Since getting serious again about DX over the last 20 years, I have been on the lookout for Spurs when evaluating DX radios, especially when I lived only three miles from the transmitter of now silent CFRN-1260 Edmonton. I did all my evaluations running the radios barefoot, after testing a TERK Advantage and its Radio Shack predecessor, and getting CFRN continuously up to 200 kHz on either side of 1260. I could even hear CFRN behind nearby CKJR-1440 Wetaskiwin.

Until now, I had not heard any evidence of a local RFI source also creating Spurs: Mixing Products, to be more specific. On June 19th, at 1:40 AM (MDT), I was getting a mix of CHED-880 and CJCA-930 on both 530 and 630. I cannot remember ever getting a three-station mixing product before: 580 (CHAH) $\pm$ $(930-880) = 530$ and 630 . I never bothered to try and figure out what stations I was hearing in a mixing product on 690 but it was strong, too. The arithmetic would be: 740 (CBX) $- (930-880) = 690$.

Local RFI was especially strong, sounding on most AM frequencies like the flyback transformer of a 1950s TV set. I did not think of the most likely source until later in the day, so did not have a chance to verify my theory that the neighbors had turned on their decorative lights on the back fence.

I may not have proof but it seems unlikely that RFI this strong and the large number of Spurs on two "spur-proof" DX radios was just a coincidence. Even after more than 60 years of DX, there is frequently something new to learn or explore further.

Glenn Hauser, P.O. Box 1684, Enid OK 73702 wghauser@yahoo.com

Please see my full original, complete, unedited, uncondensed and undeleted MWDX reports for June 2-27, 2025:

https://groups.io/g/IRCA/topic/international_mwdx_to_enid/113864021: 760.13 XEDGO, [1098 non V7AB], 1309.68 HJAK, 1322.994 AM Italia, 1549.82 XEREL?, 1550.58 unID, 1560.11 unID.

https://groups.io/g/IRCA/topic/domestic_mw_lw_dx_to_enid_ok/113863807: 251/255/332/395/404, 293 FBY, 407 HRU, 346 YXL, 382 YPL, 670 KHGZ, 780 WBBM, 1130 KLEY, 1320 KLWN, 1370 KCRC, 1390 KCRC/1640 KZLS, 1460 KBRZ+, 1490 KDMO, 1549.82 unID, 1550.58 unID, 1560.11 unID, 1650 KBJD/KCNZ, 1670 VDJR, 1680 VDJR, 1860 WA0RCR.

They also are included in my all-band weekly roundups, primarily SW: <https://www.worldofradio.com/Hauserlogs.html>

Until the next, Best of DX and 73 de Glenn

Linda Brodsky, Malverne NY

On June 19 I ventured out of MW and tuned into the special anniversary broadcast of WA2XMN in Alpine, NJ broadcast on its original frequency of 42.8 MHz (yes, you read it correctly!) There were several hours of interesting discussions about the history of FM and the Armstrong facility. It's only 23 miles west of here but I sent in a reception report and a nice QSL was received via email.

Upcoming in a week is a 12 day trip to Iceland. I'm bringing the C.Crane SSB, a Sangean longwire I can clip to the external antenna and a Sony digital recording and I'm looking forward to some unusual MW receptions there. 73

GRAVEYARD DX ACHIEVEMENTS

Tim Hall, 1244 Crystal Springs Dr., Chula Vista CA 91915-2123
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Logged from January 1, 1960 to Present

1400 kHz

Updated as of June 28, 2025

Station	State	City	DXer	DX Location	Miles
WMSL	AL	Decatur	Joe Fela (SK)	Newark, NJ	819
WXAL	AL	Demopolis	Kraig Krist	Manassas, VA	722
WJLD	AL	Fairfield	Russ Johnson	Lexington, NC	411
WFPA	AL	Fort Payne	Russ Edmunds	Parsippany, NJ	759
WJHO	AL	Opelika	Charles Reh	Leamington, ON	667
WJHO	AL	Opelika	Gary Siegel	Toledo, OH	631
KSEW	AK	Sitka	Pete Taylor	San Francisco, CA	1459
KJKJ	AZ	Flagstaff	John Johnson	Sheridan, WY	709
KXIV	AZ	Phoenix	Ernie Wesolowski	Omaha, NE	1026
KRVZ	AZ	Springerville	Wayne Heinen	Aurora, CO	454
KTUC	AZ	Tucson	Steve Kamp	San Jose, CA	706
KCYK	AZ	Yuma	Wayne Heinen	Aurora, CO	732
KELD	AR	El Dorado	Charles Reh	Leamington, ON	932
KELD	AR	El Dorado	Wayne Heinen	Aurora, CO	804
KCLA	AR	Pine Bluff	Carl Dabelstein	Lincoln, NE	523
KWYN	AR	Wynne	Tim Tromp	Muskegon, MI	601
KVTO	CA	Berkeley	Richard E. Wood (SK)	Hilo, HI	2333
KVTO	CA	Berkeley	Tim Hall	Fitz Hugh Sound, BC	1001
KVTO	CA	Berkeley	Tim Hall	Chula Vista, CA	465
KIHH	CA	Eureka	Tim Hall	West Glacier, MT	727
KRCQ	CA	Indio	Steve Kamp	San Jose, CA	404
KQMS	CA	Redding	John Johnson	Sheridan, WY	833
KKJL	CA	San Luis Obispo	Richard E. Wood (SK)	Hilo, HI	2354
KSLY	CA	San Luis Obispo	Phil Bytheway	Seattle, WA	858
KKZL	CA	Santa Paula	Richard E. Wood (SK)	Hilo, HI	2421
KQIQ	CA	Santa Paula	Phil Bytheway	Seattle, WA	933
KTRT	CA	Truckee	Nancy Johnson	Aberdeen, WA	558
KUKI	CA	Ukiah	Tim Hall	West Glacier, MT	789
KONG	CA	Visalia	Phil Bytheway	Seattle, WA	793
KRLN	CO	Canon City	Tim Hall	Chula Vista, CA	779
KDTA	CO	Delta	Carl Dabelstein	Tucson, AZ	473
KFTM	CO	Ft. Morgan	Tim Hall	Tombstone, AZ	685
KBLJ	CO	La Junta	Tim Hall	US 6/50 at NV/UT Border, UT	570
KWUF	CO	Pagosa Springs	Carl Dabelstein	Tucson, AZ	407
WSTC	CT	Stamford	Jeff Falconer (SK)	Clinton, ON	447
WSTC	CT	Stamford	John J. Varljen, Jr.	Hollidaysburg, PA	258
WILI	CT	Willimantic	Gary Siegel	Toledo, OH	587
WILI	CT	Willimantic	Jeff Falconer (SK)	Clinton, ON	487
WFTL	FL	Fort Lauderdale	Marc DeLorenzo	Hyannis, MA	1209
WIRA	FL	Fort Pierce	Steve Francis (SK)	Alcoa, TN	614
WFDM	FL	Fort Walton Beach	Don Moore	Santa Barbara, HOND	1074
WNUE	FL	Fort Walton Beach	Steve Francis (SK)	Alcoa, TN	402
WZAZ	FL	Jacksonville	Mike Hardester	Jacksonville, NC	394
WSDO	FL	Sanford	Gary Siegel	Toledo, OH	899
WZHR	FL	Zephyrhills	Russ Johnson	Lexington, NC	534
WAJQ	GA	Alma	Don Trelford (SK)	Runaway Bay, Jamaica	962
WLTA	GA	Alpharetta	Tim Tromp	Muskegon, MI	638
WCLB	GA	Camilla	Karl Jeter	Stone Mountain, GA	182
WGHC	GA	Clayton	Steve Francis (SK)	Alcoa, TN	72
WWRK	GA	Elberton	Steve Francis (SK)	Alcoa, TN	129
WNEX	GA	Macon	Russ Edmunds	Blue Bell, PA	686
WHBS	GA	Moultrie	Kraig Krist	Manassas, VA	631

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WSGA	GA	Savannah	Marc DeLorenzo	Hyannis, MA	890
WSGA	GA	Savannah	Jeff Falconer (SK)	Clinton, ON	799
KART	ID	Jerome	Tim Hall	Revillagigedo Channel, AK	1122
KART	ID	Jerome	Tim Hall	Chatham Sound, BC	1099
KART	ID	Jerome	Tim Hall	Silver City, NM	769
KRPL	ID	Moscow	Tim Hall	Waterton Lakes, AB	214
KRPL	ID	Moscow	John Wilkins	Wheat Ridge, CO	769
KSTP	ID	Sandpoint	Ernie Wesolowski	Omaha, NE	1111
KSTP	ID	Sandpoint	Tim Hall	Jasper, AB	324
KIGO	ID	St. Anthony	Tim Hall	Whitehall, MT	134
WDWS	IL	Champaign	Joe Fela (SK)	Newark, NJ	741
WGIL	IL	Galesburg	Steve Francis (SK)	Alcoa, TN	496
WEOA	IN	Evansville	Jeff Falconer (SK)	Clinton, ON	502
WROZ	IN	Evansville	Carl Dabelstein	Lincoln, NE	526
WBAT	IN	Marion	Russ Edmunds	Parsippany, NJ	590
KCOG	IA	Centerville	Wayne Heinen	Aurora, CO	630
KADR	IA	Elkader	Tim Tromp	Muskegon, MI	267
KVFD	IA	Fort Dodge	Tim Hall	US 6/50 at NV/UT Border, UT	1061
KVOE	KS	Emporia	Niel Wolfish	Winnipeg, MB	782
KVOE	KS	Emporia	Tim Tromp	Muskegon, MI	620
KAYS	KS	Hays	Morris Sorensen (SK)	Winnipeg, MB	768
KAYS	KS	Hays	John Wilkins	West Des Moines, IA	351
WCYN	KY	Cynthiana	Carl Dabelstein	Lincoln, NE	650
WIEL	KY	Elizabethtown	Jeff Falconer (SK)	Clinton, ON	469
WIEL	KY	Elizabethtown	Tim Tromp	Muskegon, MI	377
WFTG	KY	London	Ernie Wesolowski	Omaha, NE	705
WFPR	LA	Hammond	Steve Francis (SK)	Alcoa, TN	525
WFPR	LA	Hammond	Don Moore	Francisco Uh May (Tulum), QROO	724
KAOK	LA	Lake Charles	Mike Jeziorski	Juriquilla, QRO	799
KAOK	LA	Lake Charles	Carl Dabelstein	Lincoln, NE	761
WMME	ME	Augusta	Carl Dabelstein	Omaha, NE	1333
WVAE	ME	Biddeford	Kraig Krist	Manassas, VA	489
WHZP	ME	Veazie	Rick Kenneally	Wilton, CT	347
WWIN	MD	Baltimore	Denis Picard	Trois-Rivières-Ouest, QC	528
WWIN	MD	Baltimore	Steve Francis (SK)	Alcoa, TN	472
WHTB	MA	Fall River	Joe Kureth (SK)	Uniontown, MD	345
WLLH	MA	Lowell	Joe Kureth (SK)	Uniontown, MD	367
WHMP	MA	Northampton	Jeff Falconer (SK)	Clinton, ON	459
WHMP	MA	Northampton	Jim Weber	Oyster Point, PA	250
WRCC	MI	Battle Creek	Russ Edmunds	Blue Bell, PA	537
WJLB	MI	Detroit	Carl Dabelstein	Lincoln, NE	708
WLJN	MI	Elmwood Township	Russ Edmunds	Blue Bell, PA	619
WCCY	MI	Houghton	Kraig Krist	Manassas, VA	812
WCCY	MI	Houghton	Tim Hall	Thunder Bay, ON	95
WGON	MI	Munising	Carl Dabelstein	Lincoln, NE	634
WQXO	MI	Munising	Jeff Falconer (SK)	Clinton, ON	315
WSAM	MI	Saginaw	Carl Dabelstein	Lincoln, NE	677
WKNW	MI	Sault Ste. Marie	Tim Hall	Sudbury, ON	159
WKNW	MI	Sault Ste. Marie	Tim Tromp	Muskegon, MI	245
WSJM	MI	St. Joseph	Gary Siegel	Toledo, OH	152
WTCM	MI	Traverse City	Gary Siegel	Toledo, OH	238
KEYL	MN	Long Prairie	Wayne Heinen	Aurora, CO	664
KMHL	MN	Marshall	Ron Schiller (SK)	Monmouth Beach, NJ	1145
KMHL	MN	Marshall	Jeff Falconer (SK)	Clinton, ON	709
WMIN	MN	St. Paul	Gary Siegel	Toledo, OH	536
WMIN	MN	St. Paul	Morris Sorensen (SK)	Winnipeg, MB	388
WHLB	MN	Virginia	Morris Sorensen (SK)	Amaranth, MB	352
WBIP	MS	Booneville	Ernie Wesolowski	Omaha, NE	614
WMBC	MS	Columbus	Steve Francis (SK)	Alcoa, TN	298
WFOR	MS	Hattiesburg	Steve Francis (SK)	Alcoa, TN	455
WJQS	MS	Jackson	Tim Tromp	Muskegon, MI	782
KFRU	MO	Columbia	Pete Taylor	San Francisco, CA	1632
KJCF	MO	Festus	Gary Siegel	Toledo, OH	433

KSIM	MO	Sikeston	Dave Whatmough	Hamilton, ON	679
KSIM	MO	Sikeston	Gary Siegel	Toledo, OH	464
KTTS	MO	Springfield	John Wilkins	Wheat Ridge, CO	661
KDRG	MT	Deer Lodge	Ernie Wesolowski	Omaha, NE	901
KXGN	MT	Glendive	Tim Hall	US 6/50 at NV/UT Border, UT	727
KXGN	MT	Glendive	Morris Sorensen (SK)	Leaf Rapids, MB	570
KARR	MT	Great Falls	Steve Kamp	San Jose, CA	887
KXGF	MT	Great Falls	Tim Hall	Jasper, AB	479
KBRB	NE	Ainsworth	Phil Bytheway	Seattle, WA	1149
KCOW	NE	Alliance	Tim Hall	US 6/50 at NV/UT Border, UT	622
KLIN	NE	Lincoln	Tim Hall	Winnipeg, MB	612
KLIN	NE	Lincoln	Neil Kazaross	Barrington, IL	451
KLIN	NE	Lincoln	John Wilkins	Wheat Ridge, CO	451
KBMI	NV	Henderson	Phil Bytheway	Seattle, WA	882
KSHP	NV	North Las Vegas	Tim Hall	Crescent City, CA	628
KNNR	NV	Sparks	Tim Hall	Chula Vista, CA	502
KWNA	NV	Winnemucca	Ernie Wesolowski	Omaha, NE	1123
WTSL	NH	Hanover	Russ Edmunds	Blue Bell, PA	288
WLTN	NH	Littleton	John J. Varljen, Jr.	Ashville, PA	430
WOND	NJ	Pleasantville	Tim Hall	Tampa, FL	913
WOND	NJ	Pleasantville	Niel Wolfish	Louisbourg, NS	863
KMIN	NM	Grants	Tim Hall	San Diego, CA	552
KTRC	NM	Santa Fe	Steve Kamp	San Jose, CA	889
KCHS	NM	Truth or Consequences	Tim Hall	US 6/50 at NV/UT Border, UT	558
KTNM	NM	Tucumcari	Steve Kamp	San Jose, CA	1025
WABY	NY	Albany	Gary Siegel	Toledo, OH	505
WAMC	NY	Albany	Niel Wolfish	Miscou Island, NB	580
WWWS	NY	Buffalo	Tim Tromp	Muskegon, MI	370
WWWS	NY	Buffalo	Tim Hall	Toronto, ON	59
WDNY	NY	Dansville	Neil Kazaross	Barrington, IL	534
WSLB	NY	Ogdensburg	Neil Kazaross	Barrington, IL	658
WSLB	NY	Ogdensburg	Charles Reh	Leamington, ON	401
WGBC	NC	Greensboro	John Wilkins	West Des Moines, IA	832
WAVQ	NC	Jacksonville	Don Moore	Zion, PA	426
WMFA	NC	Raeford	Russ Edmunds	Blue Bell, PA	418
WSIC	NC	Statesville	Neil Kazaross	Barrington, IL	587
WLSE	NC	Wallace	Joe Kureth (SK)	Southern Pines, NC	85
WHCC	NC	Waynesville	Steve Francis (SK)	Alcoa, TN	60
WCNF	NC	Weldon	Russ Edmunds	Kinnelon, NJ	363
KEYJ	ND	Jamestown	Charles Reh	Leamington, ON	860
KQDJ	ND	Jamestown	Tim Hall	US 6/50 at NV/UT Border, UT	943
WMAN	OH	Mansfield	Carl Dabelstein	Lincoln, NE	740
WPAY	OH	Portsmouth	Russ Edmunds	Kinnelon, NJ	483
KWON	OK	Bartlesville	Gary Siegel	Toledo, OH	745
KTMC	OK	McAlester	Tim Tromp	Muskegon, MI	767
KREF	OK	Norman	Tim Hall	US 6/50 at NV/UT Border, UT	951
KWIN	OR	Ashland	Pete Taylor	San Francisco, CA	307
KIVR	OR	Cave Junction	Nancy Johnson	Aberdeen, WA	333
KNND	OR	Cottage Grove	Tim Hall	Jasper, AB	670
KNND	OR	Cottage Grove	Tim Hall	US 6/50 at NV/UT Border, UT	569
KJDY	OR	John Day	John Johnson	Sheridan, WY	591
KBCH	OR	Lincoln City	Tim Hall	Chilkoot Inlet, AK	1091
KBCH	OR	Lincoln City	Phil Bytheway	Seattle, WA	197
WEST	PA	Easton	Charles Reh	Leamington, ON	392
WEST	PA	Easton	Rick Kenneally	Wilton, CT	98
WJET	PA	Erie	Eric McIntosh (SK)	Invercargill, New South Wales, NZ	9141
WJET	PA	Erie	Steve Francis (SK)	Alcoa, TN	486
WHGB	PA	Harrisburg	Rick Kenneally	Wilton, CT	190
WJAC	PA	Johnstown	Joe Fela (SK)	Newark, NJ	250
WAMQ	PA	Loretto	Steve Francis (SK)	Alcoa, TN	434
WICK	PA	Scranton	Frank Merrill	Milan, MI	408
WICK	PA	Scranton	Jeff Falconer (SK)	Clinton, ON	336
WKBI	PA	St. Marys	Carl Dabelstein	Omaha, NE	900

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WRAK	PA	Williamsport	Tim Tromp	Muskegon, MI	485
WCOS	SC	Columbia	Andy Rugg (SK)	Pointe Claire, QC	881
WCOS	SC	Columbia	Russ Edmunds	Parsippany, NJ	596
WWRK	SC	Darlington	Russ Edmunds	Blue Bell, PA	592
WGTN	SC	Georgetown	Niel Wolfish	Burnt River, ON	781
WGTN	SC	Georgetown	Gary Siegel	Toledo, OH	616
WMMZ	SC	Spartanburg	Rick Dau	Iowa City, IA	694
KBJM	SD	Lemmon	Tim Hall	US 6/50 at NV/UT Border, UT	766
WJZM	TN	Clarksville	Dave Schmidt (SK)	New Castle, DE	680
WJZM	TN	Clarksville	Jeff Falconer (SK)	Clinton, ON	579
WHUB	TN	Cookeville	Don Moore	Francisco Uh May (Tulum), QROO	1098
WHUB	TN	Cookeville	Jeff Falconer (SK)	Clinton, ON	556
WHUB	TN	Cookeville	Neil Kazaross	Barrington, IL	438
WLSB	TN	Copperhill	Russ Edmunds	Blue Bell, PA	612
WKPT	TN	Kingsport	Russ Edmunds	Parsippany, NJ	529
WGAP	TN	Maryville	Russ Edmunds	Parsippany, NJ	626
WZNG	TN	Shelbyville	Russ Edmunds	Blue Bell, PA	690
WNBG	TN	Waynesboro	Joe Kureth (SK)	Uniontown, MD	655
KRUN	TX	Ballinger	Mike Jeziorski	Juriquilla, QTR	762
KRUN	TX	Ballinger	Tim Hall	Ozona, TX	102
KBYG	TX	Big Spring	Wayne Heinen	Aurora, CO	545
KUNO	TX	Corpus Christi	Tim Hall	Junction, TX	237
KUNO	TX	Corpus Christi	Tim Hall	35 miles west of Acaponeta, Nay, MEX	639
KUNO	TX	Corpus Christi	Don Trelford (SK)	Runaway Bay, Jamaica	1434
KILE	TX	Galveston	Wayne Heinen	Colorado Springs, CO	873
KGVL	TX	Greenville	Gary Siegel	Toledo, OH	904
KHCB	TX	League City	Neil Kazaross	Barrington, IL	963
KHCB	TX	League City	Don Moore	Francisco Uh May (Tulum), QROO	784
KIUN	TX	Pecos	Tim Hall	Chula Vista, CA	800
KIUN	TX	Pecos	Mike Jeziorski	Juriquilla, QTR	764
KEYE	TX	Perryton	Tim Hall	US 6/50 at NV/UT Border, UT	744
KVOP	TX	Plainview	Phil Bytheway	Seattle, WA	1413
KVRP	TX	Stamford	Tim Hall	Tombstone, AZ	606
KTEM	TX	Temple	John Wilkins	Wheat Ridge, CO	741
KTEM	TX	Temple	Mike Jeziorski	Juriquilla, QTR	740
KTFS	TX	Texarkana	Stephen Ponder	Bossier City, LA	65
KVOU	TX	Uvalde	Tim Hall	US 6/50 at NV/UT Border, UT	1060
KGWU	TX	Uvalde	Mike Jeziorski	Juriquilla, QTR	586
KAZZ	UT	Parowan	Wayne Heinen	Aurora, CO	458
KIXX	UT	Provo	Phil Bytheway	Seattle, WA	732
WDOT	VT	Burlington	Russ Edmunds	Parsippany, NJ	256
WINA	VA	Charlottesville	John Wilkins	West Des Moines, IA	844
WXAM	VA	Charlottesville	Jeff Falconer (SK)	Clinton, ON	418
WHHV	VA	Hillsville	Neil Kazaross	Barrington, IL	546
WHIH	VA	Portsmouth	Andy Rugg (SK)	Montreal, QC	616
WWOC	VA	Portsmouth	Gary Siegel	Toledo, OH	511
WAJL	VA	South Boston	Russ Edmunds	Blue Bell, PA	301
WINC	VA	Winchester	John Wilkins	West Des Moines, IA	827
KLCK	WA	Goldendale	Tim Hall	Chula Vista, CA	934
KLCK	WA	Goldendale	Matt Todd	Banff, AB	444
KEDO	WA	Longview	Tim Hall	Frederick Sound-Farragut Bay, AK	769
KEDO	WA	Longview	Tim Hall	Chatham Sound, BC	683
KEDO	WA	Longview	Tim Hall	US 6/50 at NV/UT Border, UT	666
KRSC	WA	Othello	Pete Taylor	San Francisco, CA	650
KITZ	WA	Silverdale	Tim Hall	Kamloops, BC	231
KITZ	WA	Silverdale	Tim Hall	Mount Ranier NP, WA	66
WBOY	WV	Clarksburg	Gary Siegel	Toledo, OH	237
WBOY	WV	Clarksburg	Charles Reh	Leamington, ON	233
WRON	WV	Ronceverte	Tim Tromp	Muskegon, MI	480
WVRC	WV	Spencer	Tim Tromp	Muskegon, MI	393
WBBD	WV	Wheeling	Rick Kenneally	Wilton, CT	386
WBTH	WV	Williamson	Russ Edmunds	Blue Bell, PA	414
WATW	WI	Ashland	Neil Kazaross	Barrington, IL	332

WBIZ	WI	Eau Claire	Pete Taylor	San Francisco, CA	1671
WDUZ	WI	Green Bay	Morris Sorensen (SK)	God's Narrows, MB	1035
WDUZ	WI	Green Bay	Russ Edmunds	Blue Bell, PA	716
WRJN	WI	Racine	Gary Siegel	Toledo, WI	230
WRDB	WI	Reedsburg	Niel Wolfish	Winnipeg, MB	542
WRDB	WI	Reedsburg	Gary Siegel	Toledo, OH	355
WRIG	WI	Wausau	Frank Merrill	Toledo, OH	374
KATI	WY	Casper	Steve Kamp	San Jose, CA	906
KODI	WY	Cody	Carl Dabelstein	Tucson, AZ	824
CKSQ	AB	Stettler	Tim Hall	Jasper, AB	232
CKSQ	AB	Stettler	Ron Schiller (SK)	Couer d'Alene, ID	371
CFLD	BC	Burns Lake	Phil Bytheway	Seattle, WA	499
CHNL1	BC	Clearwater	Tim Hall	Glacier National Park, MT	373
CHNL1	BC	Clearwater	Tim Hall	Fitz Hugh Sound, BC	337
CKGR	BC	Golden	Phil Bytheway	Seattle, WA	356
CKGR	BC	Golden	Tim Hall	Kamloops, BC	158
CIOR	BC	Princeton	Tim Hall	Bandon, OR	475
CIOR	BC	Princeton	Tim Hall	Jasper, AB	260
CJEK	BC	Sparwood	Tim Hall	Johnston Canyon, AB	113
CJEK	BC	Sparwood	Tim Hall	Glacier NP, MT	113
CBWG	MB	Gillam	Morris Sorensen (SK)	God's Narrows, MB	200
CKCB	ON	Collingwood	Tim Hall	Don Valley, ON	73
CKCB	ON	Collingwood	Steve Francis (SK)	Alcoa, TN	633
CBOD	ON	Maynooth	Tim Hall	Madawaska, ON	30
CKOB	ON	Renfrew	Joe Kureth (SK)	Uniontown, MD	406
CBEE	ON	Sturgeon Falls	Morris Sorensen (SK)	Emsdale, ON	74
CKFL	QC	Lac Megantic	Charles Reh	Leamington, ON	632
CKFL	QC	Lac Megantic	Russ Edmunds	Parsippany, NJ	371
CJFP	QC	Rivière du Loup	Gary Siegel	Toledo, WI	805
CKSW	SA	Swift Current	Phil Bytheway	Seattle, WA	683
XEPF	MEX	Ensenada, BN	Richard E. Wood (SK)	Hilo, HI	2525
XEPF	MEX	Ensenada, BN	Tim Hall	Chula Vista, CA	52
XEI	MEX	Morelia, Mich	Tim Hall	50mi W Stgo Ixcuintla, NAY	335
XELH	MEX	Acaponeta, NAY	Tim Hall	20mi SE Cabo San Lucas, BCS	256
XESH	MEX	Sabinas Hidalgo, NL	Loyd Van Horn	Mandeville, LA	670
XESH	MEX	Sabinas Hidalgo, NL	Mike Jeziorski	Juriquilla, QTR	398
XEEX	MEX	Culiacan, Sin	Tim Hall	Rancho Bernardo, CA	813
XEAB	MEX	Santa Ana, Son	Tim Hall	Poway, CA	441
YSJI	SLV	Usulután	Don Moore	Francisco Uh May (Tulum), QROO	488
ZYJ462	B	Rio de Janeiro	NF DXPedition #4	Cappahayden, NF	4867
CX140	URG	Tacuarembó	NF DXPedition #4	Cappahayden, NF	5440
YVZJ	VEN	Barinas	Tim Hall	Crane Beach, Barbados	803
JOQL	J	Kushiro	Pete Taylor	San Francisco, CA	4652
BEV98	TWN	Kaohsiung	Pete Taylor	Hong Kong	391

NF DXPedition #4 = Jean Burnell, David Clark, Mark Connelly, Bruce Conti, Neil Kazaross, and Jim Renfrew

FCC Special Authorizations

Continued from last issue and updated through June 30, 2025.

1490	KZNB	CA	Petaluma – STA for U1 100/100, 16m LW at 38-19-57.2, 122-35-45.4 (expires 2025-07-01; applies to extend 2025-06-30).
	WGCH	CT	Greenwich – STA for U1 300/300, whip at 41-01-27.4, 73-37-51.5 (expires 2025-10-01).
	WSIR	FL	Winter Haven –STA for U1 10/10, whip at 28-01-12.0, 81-46-17.0 (expires 2025-12-10).
	WYYZ	GA	Jasper – STA for U1 90/90, whip at licensed site at 34-28-32.3, 84-26-12.7 (expires 2025-12-10).

	WRKY	PA	Lancaster – STA for U1 90/90, whip at 40-07-17.8, 76-14-59.7, has lost licensed site (expires 2025-11-17).
	WVGB	SC	Beaumont – STA for D1 125, tower at 32-33-23/80-42-26 (expired 2024-11-19).
	KZEZ	UT	Santa Clara – STA for reduced power (using about U1 100/100) (expires 2025-09-28).
	WFAD	VT	Middlebury – STA for U1 50/50, whip at 43-59-57.5, 73-09-34.3 (expires 2025-10-29).
	WIKE	VT	Newport – STA for U1 10/10, temporary transmitter (expires 2025-08-05; applies to extend 2025-06-30).
1500	KSJX	CA	San Jose – STA for U1 2500/1250 (expires 2025-12-06).
	WAKE	IN	Valparaiso – STA for U1 62.5/11, CP tower at 41-32-21.0, 87-17-59.0 (expires 2025-08-11).
	WQMS	MS	Quitman – STA for D1 450, 246' LW 32-02-18.9, 88-39-21.1 (expired 2025-02-03).
	KBRN	TX	Boerne – STA for D1 225, 150' LW at 29-50-26.8, 98-49-33.2 (expires 2025-11-25).
1510	KSPA	CA	Ontario – STA for U1 10/10, whip at 34-04-02.0, 117-36-42.0 (expires 2025-08-19).
	WMEX	MA	Quincy – STA for U1 8200/100 (ch 2000), power amplifier failure (expires 2025-12-08).
	KCTX	TX	Childress – STA for D1 100, 80'w LW at 34-26-20.2, 100-13-11.4 (expires 2025-07-30).
	WBSG	PR	Lajas – STA for parameters at variance (expires 2025-07-12).
1520	WNDO	FL	Apopka – STA for U1 1000/10, WRSO-810 tower 28-34-11/81-26-01 (expires 2025-07-27).
	WLUV	IL	Loves Park – STA for U1 9.7/9.7 (expires 2025-10-11).
	KOLM	MN	Rochester – STA for U3 800/800, night pattern 24 hours (expires 2025-05-19).
	WINW	OH	Canton – STA for D1 10, whip at 40-49-24.2, 81-25-43.5 (expires 2025-09-03).
	KYND	TX	Cypress – STA for D3 5400 (expires 2025-12-01).
	WRSJ	PR	San Juan – STA for U1 1000/1000 (expires 2025-08-23).
1530	WCKG	IL	Elmhurst – STA for D1 190, tower at 41-51-46/87-55-26 (expired 2024-08-21).
	WLLQ	NC	Chapel Hill – STA for D3 250 (expires 2025-10-26).
	WCKY	OH	Cincinnati – STA for U1 50000/12500 (expires 2025-09-11).
	WZTE	PA	Union City – STA for D1 2400 (ch 250), transmitter damage after replacement of utility pole (expires 2025-12-17).
	KZNX	TX	Creedmoor – STA for U7 10000/36 (ch 1000), night operation from day/CH site with CH pattern.
1540	WNWR	PA	Philadelphia – STA for U1 10000/7 (ch 1200), CP site (expires 2025-04-30).
	KAMM	TX	University Park – STA for U1 100/100, whip at 32-50-51.6, 96-48-41.3 (expires 2025-11-17).
1550	WLOR	AL	Huntsville – STA for D1 500, 160' LW at 34-47-53.3, 86-38-24.0 (expires 2025-10-14).
	KKCL	CO	Golden – STA for U1 200/87.5, 36.6m LW at 39-45-59/105-14-12 (expires 2025-08-20).
	WSDK	CT	Bloomfield – STA for U4 5000/750, failure of monitoring point (expires 2025-12-14).
	WRHC	FL	Coral Gables – STA for U1 1800/125 from WWFE-670 tower (expires 2025-12-10).
	KYAL	OK	Sapulpa – STA for U1 625/22 (expires 2025-11-16).
	KMRI	UT	West Valley City – STA for U1 5000/188 from CP site/tower (expires 2025-11-17).
	KRPI	WA	Ferndale – STA for U4 20000/870, day pattern 24 hours (expires 2025-11-11).
1560	WLZR	FL	Melbourne – STA for D1 1000, ½-wave dipole at 28-07-41.1, 80-42-28.2 (expires 2025-07-30).
	WFME	NY	New York – STA for U1 10000/10000 from WPAT-930/WNSW-1430 tower at 40-51-01.0, 74-11-01.0 (expires 2025-09-16).
	WAHT	SC	Cowpens – STA for D1 3000 (ch 870), transmitter problems (expires 2025-12-14).
	KGOW	TX	Bellaire – Applies for STA for U3 15000/15000, night site and pattern 24 hours (submitted 2025-06-30).
	KZIZ	WA	Pacific – STA for U1 2000/4.9, CP tower at 47-17-58.4, 122-11-18.2 (expires 2025-12-10).
1570	KCVR	CA	Lodi – STA for U1 10/10, temporary transmitter (expires 2025-09-23).

	KUAU	HI	Haiku – STA for U1 1000/1000, tower at 20-54-25.0, 156-17-05.0 (expires 2025-07-22).
	WDRE	NY	Riverhead – STA for D1 70, 23m LW at 40-51-57.7, 72-45-51.7 (expires 2025-08-14).
	WECU	NC	Winterville – STA for U1 1000/200, backup transmitter (expires 2025-11-16).
1580	WORV	MS	Hattiesburg – STA for U1 450/88 (expired 2025-02-04).
	WNYG	NY	Patchogue – STA for U1 10000/125 (expired 2024-06-17).
1590	KLIV	CA	San Jose – STA for U1 1550/1250 or U2 1550/2500, KVVN-1430 tower at 37-19-48.0, 121-52-01.0 (expires 2025-12-21).
	KVTA	CA	Ventura – STA for U1 1000/1000 (expires 2025-10-14).
	WFBR	MD	Glen Burnie – STA for parameters at variance (expires 2025-09-09).
	WPAW	PA	Chester – STA for U1 2500/250 (expires 2025-10-20).
	WGBW	WI	Denmark – STA for parameters at variance (expires 2025-08-12).
1600	KAHZ	CA	Pomona – STA for night parameters at variance (expires 2025-08-09).
	KTAP	CA	Santa Maria – STA for U1 100/26, whip at 34-57-15.0, 120-25-33.0 (expires 2025-11-17).
	WLAA	FL	Winter Garden – STA for D1 1000, tower at 28-34-08/81-31-09 (expired 2024-06-11).
	WLVY	NY	Elmira Heights-Horseheads – STA for U1 250/40 (expires 2025-08-03).
	WULM	OH	Springfield – STA for U1 10/10, backup transmitter (expires 2025-10-06).
	KOPB	OR	Eugene – STA for U2 1000/1000, copper thieves (expires 2025-09-06).
	KTUB	UT	Centerville – STA for U1 10/10, whip at 40-55-00.7, 111-53-39.3 (expires 2025-09-24).
1630	KKGM	TX	Fort Worth – STA for U1 6500/1000 (expires 2025-08-10).
1640	KDZR	OR	Lake Oswego – STA for U1 4000/1000 (expires 2025-12-08).
1650	KFSW	AR	Fort Smith – STA for U1 250/250, backup transmitter (expires 2025-11-16).
1660	WGIT	PR	Canovanas – STA for U1 300/300 (expires 2025-06-24; applies to extend 2025-06-17).
1690	WIGT	VI	Charlotte Amalie – STA for U1 400/400 (expires 2025-06-09).

Domestic DX Achievements

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This includes all updates (I think) received since the last time this column ran. Please include only domestic stations (United States and Canada).

For each category (heard, verified, and taped) we show total stations, states (the “+” refers to the District of Columbia), and provinces. Deceased members are noted with “SK” (“silent key,” a ham term we’ve appropriated).

If you haven’t updated your totals in a while – or if you have never contributed – we’d love to include your domestic totals for next time. Even if you have to estimate, whatever you can send is appreciated.

Sorted ths time by *total stations heard* (total states heard, and then total Canadian provinces heard, are the tiebreakers).

				Heard			Verified			Taped		
	Name and Location	Start	Update	Tot	Stat	Pr	Tot	Stat	Pr	Tot	Stat	Pr
SK	Geary, Kermit – e-PA	1926	Jul 06	5939	50+	10	5448	50+	10	2768	49+	10
SK	Cooper, Ernest – Cape Cod MA	1932	Oct 78	3601	48+	10	3601	48+	10	0	0	0
	Falconer, Jeff – Clinton, ON	1969	Jul 00	2799	49+	10	1070	49+	10	0	0	0
SK	Francis, Steve – nr Knoxville, TN	1970	Oct 12	2798	48+	9	37	36+	0	1108	45+	5
	Forth, Karl – vic Chicago, IL	1970	Dec 23	2612	49+	10	1278	49+	10	1527	49+	10
	Wesolowski, Ernie – Omaha, NE	1958	Jan 08	2474	49+	9	1966	49+	9	0	0	0
SK	Schiller, Ron – central NJ	1951	Feb 11	2258	49+	10	1861	49+	10	0	0	0
SK	Kureth, Joe – Uniontown, MD	1961	Jan 00	2162	46+	10	342	41+	7	0	0	0
SK	Fela, Joseph – cent NJ	1961	Feb 13	2105	49+	10	1072	48+	9	400	40+	7
	Whatmough, Dave – Hml'ton ON	1951	Jan 00	2061	49+	10	1030	49+	10	0	0	0
	Edmunds, R.J. – n NJ/e PA	1962	Dec 20	2016	47+	9	227	42	6	1090	43+	8
	Wilkins, John – Wheat Ridge, CO	1981	May 08	1958	41	6	1088	40	6	970	40	6
	Chatterton, Ken – n NY	1945	Nov 78	1845	50+	10	1101	50+	10	0	0	0
	Renfrew, Jim – Rochester, NY	1976	Oct 06	1709	47+	10	449	45+	10	68	35	8

SK	Malicky, John – Pittsburgh, PA	1970	Jan 08	1633	42+	6	902	40+	7	1335	40+	6
	Heinen, Wayne – CO	1975	Feb 09	1608	42	5	1176	42	5	699	37	6
SK	Rugg, Andy – Montreal QC	1960	Sep 99	1587	47+	10	1552	47+	10	168	28+	7
	Jeter, Karl – Atlanta, GA	1969	Mar 84	1574	44+	6	1193	44+	6	0	0	0
	Musco, Ron – nr Hartford, CT	1962	Jan 21	1414	47+	9	1282	47+	9	108	28	3
	Dau, Rick – Iowa City, IA	1988	Sep 13	1370	45+	6	52	31	4	79	19	0
	Hayes, Harry J. – ne PA	1970	Jul 98	1354	41+	9	185	30	3	641	39+	9
	Arruda, Ray – nr Boston, MA	1963	Jan 12	1327	47+	9	1150	47+	9	0	0	0
	Wilkins, John – W. Des Moines, IA	1962	Nov 06	1307	45+	7	489	44+	7	0	0	0
	Wolfish, Niel – Toronto, ON	1978	Feb 93	1285	43+	10	493	43+	10	402	39	6
SK	Schmidt, Dave – se PA/n DE	1965	Nov 79	1250	48	8	1006	48	8	400	40	4
	DeLorenzo, Marc – e MA	1962	Mar 07	1239	45+	10	1	0	0	1	0	0
	Jeziorski, Mike – Chicago area	1978	Dec 86	1164	44+	7	0	0	0	0	0	0
	Galerstein, Bob – nr NYC	1973	Dec 22	1116	43+	9	213	43+	9	0	0	0
	Dau, Rick – Oakland IA	1981	Nov 98	1049	42+	6	119	29	3	135	29	4
	Rigas, Christos – vic Chicago, IL	1981	Jan 12	1026	47+	9	433	44+	8	0	0	0
	Anderson, Roger – Arlington, MD	1938	Jan 06	1017	48+	9	1017	48+	9	0	0	0
	Osborn, Forest – Hooker, OK	1970	Jan 12	1004	37	5	27	18	2	0	0	0
	Dau, Rick – South Omaha, NE	2010	Sep 23	1032	40	6	7	7	0	1	1	0
	White, Thomas – Arlington, VA	1968	Jan 92	994	39+	7	243	38+	7	0	0	0
	Truax, Dick – vic. Louisville, KY	1972	Dec 78	935	46+	6	20	17	3	120	35+	5
	Sampson, John – Omaha, NE	1954	Dec 78	912	45+	6	912	45+	6	0	0	0
	Hardison, Greg – Atlanta, GA	1964	Nov 78	900	36	6	42	19	5	0	0	0
	Taylor, Pete – Durham, NC	1952	Mar 00	891	40+	6	208	38+	6	0	0	0
	Yocis, David – Harpers Ferry, WV	2004	Dec 11	880	35+	6	0	0	0	159	23+	2
SK	Kureth, Joe – Southern Pines, NC	1963	Jun 71	878	38+	7	92	26+	2	0	0	0
	Yocis, David – Mt. Vernon, VA	2016	Jun 25	823	34+	3	0	0	0	628	33+	3
	Smolarek, Bob – n NJ	1982	Jun 06	817	36+	5	7	7	0	78	16	5
	Wolfish, Niel – Winnipeg, MAN	1985	Feb 93	813	37	9	25	10	4	113	10	4
	Wallace, Jim – Columbus, OH	1969	Oct 78	795	41+	7	137	36+	3	0	0	0
SK	Swearingen, Paul – e KS	1975	Dec 07	788	44+	7	2	2	0	788	44+	7
	Bond, Jerry – Rochester, NY	1962	Oct 78	785	43+	8	0	0	0	50	10	2
SK	Crabill, Perry – VA	1990	Jan 06	779	35+	3	0	0	0	0	0	0
	Johnson, Nancy – coastal WA	1969	Dec 84	778	40	5	3	2	0	0	0	0
	Ponder, Stephen – Shreveport, LA	1975	Aug 89	769	39+	5	721	39+	5	10	4	4
	Reed, John – Ponca City, OK	1995	Jan 06	656	40	6	0	0	0	0	0	0
	Jeziorski, Mike – Detroit MI	1987	Dec 92	638	39+	7	0	0	0	0	0	0
	Dau, Rick – Spirit Lake IA	1995	Nov 17	619	42	6	9	8	0	14	4	0
	Dau, Rick – Davenport, IA	2014	Nov 24	603	37	6	1	1	0	48	18	0
	Gay, Chris – Lexington KY	1979	Jan 22	591	38+	3	0	0	0	226	29+	2
	Edmunds, R. J. – Syracuse, NY	1964	Sep 99	533	45+	9	75	31+	5	0	0	0
	Boersma, Philip – w MI	1973	Oct 78	520	41	6	50	24	3	0	0	0
	Mount, Paul – ne NJ	1973	Feb 86	489	36+	7	224	33+	6	199	26+	5
	Heinen, Wayne – NY	1964	Jan 06	480	44+	9	429	44+	9	30	14	0
	Taylor, Pete – Tacoma, WA	1981	Mar 00	468	33	3	70	14	7	399	33	0
SK	Jones, David B. – Springfield, TN	1996	Apr 06	464	34+	4	168	30	4	0	0	0
	Jeziorski, Mike – Crescent Bch FL	1993	Dec 95	458	32+	3	0	0	0	0	0	0
	Taylor, Pete – San Francisco, CA	1958	Mar 00	450	32	7	329	31	7	70	6	1
	Sampson, John – Win-Salem, NC	1968	Oct 78	450	30+	1	450	30	1	0	0	0
	Tudenham, John – Joplin, MO	1990	Oct 97	444	36	5	0	0	0	0	0	0
	Weber, Jim – Lancaster, PA	2000	Aug 24	416	32	3	0	0	0	0	0	0
	Foltz, Martin – Orange County CA	1984	Jun 24	413	21	2	287	21	2	0	0	0
	Mount, Paul – se OH	1978	Feb 86	390	36+	3	3	3	0	60	25	1
	Houdek, Gary – n KS	1975	Feb 06	374	37	4	54	26	1	0	0	0
	Alves, Paul H. – nr Boston MA	1948	Feb 99	352	32+	6	145	25+	5	0	0	0
	Sampson, John – Hutchinson, MN	1960	Oct 78	336	42	6	336	42	6	0	0	0
SK	Schiller, Ron – Coeur d’Alene ID	2006	Feb 13	331	14	4	0	0	0	0	0	0
	Sampson, John – Cupertino, CA	1966	Oct 78	258	17	3	258	17	3	0	0	0
SK	Karchevski, Bob – San Fran., CA	1969	Oct 78	249	36	5	198	36	5	197	35	5
	Foltz, Martin – Sarasota FL	2022	Jun 24	222	29+	1	48	23+	1	78	25+	1

	Taylor, Pete – Coral Gables, FL	1945	Mar 00	221	29+	3	132	30+	2	0	0	0
	Jeziorski, Mike – Juriquilla QRO	2020	Jun 22	217	30	4	0	0	0	0	0	0
	Ihnat, Joe – sw PA	2021	Sep 23	214	28+	3	0	0	0	67	21+	2
	Sampson, John – New York, NY	1965	Dec 78	181	33+	6	181	33+	6	0	0	0
	Edmunds, R. J. – ne ME	1994	Sep 99	172	20	6	0	0	0	0	0	0
	Dau, Rick – Lafayette, IN	1994	Aug 96	151	25	3	0	0	0	0	0	0
SK	DeLeurere, H. – Hendricks, WV	1955	Oct 78	59	48+	10	59	48+	10	0	0	0

Unreported Stations

No stations were reported to DDXD in this issue for the first time since at least Volume 67 (1999-2000). We still have 153 currently licensed, full-power AM stations in the United States and Canada which have not been reported to DDXD during this time. Here’s the latest list: can you report one of these next time?

Unreported Domestic Stations

The current list of stations not reported to DDXD since Volume 67 (153 stations, through 92-17):							
550	KNUI-HI		WOEG-MS		KLID-MO	1450	KNHD-AR
560	CBDN-YT	1230	WAYX-GA		WPOL-NC		WSTU-FL
570	CKWL-BC		KRYN-OR		KBNW-OR		WTAL-FL
590	CFTK-BC		WMLR-TN		KRBA-TX		KNOC-LA
680	KBRD-WA		WAKI-TN		KUOW-WA		WCJU-MS
740	KCIK-HI		KCOH-TX		WMON-WV		WLAR-TN
760	KEJY-CA		CHFC-MB	1350	WRKM-TN	1460	WELZ-MS
	KGU-HI		CFFB-NU	1360	KFFA-AR	1470	WNWF-AL
800	KAGH-AR	1240	WJLX-AL		WGJK-GA		WCHJ-MS
	KVOM-AR		WBGC-FL		WFFF-MS		KFMZ-MO
840	KPEN-AK		WWNS-GA	1370	KAWW-AR		KMAL-MO
850	WLRC-MS		KWOE-HI	1380	WGYV-AL	1480	WNKW-KY
860	KWRF-AR		WEBQ-IL		WVSA-AL		KYWL-MT
	KFST-TX		KASO-LA	1390	WWTM-AL		KNTB-WA
	CHAK-NT		WMIS-MS	1400	WRZX-GA	1490	WFZX-AL
870	CFBV-BC		WMSO-MS		WSEG-GA		KOTN-AR
880	WAPC-AL		KBEL-OK		WBIP-MS		KLZN-CA
900	KZPA-AK		KRDM-OR		WFOR-MS		WSIP-KY
930	KTKN-AK		CKMK-BC		WJQS-MS		KRUS-LA
950	KRRP-LA		CJOR-BC		KFJL-OR		WCLD-MS
	WHSY-MS		CFNI-BC		KBCH-OR		KHTC-MT
960	KABN-AK		CJAR-MB		WYUP-PA		WTQS-SC
	WBMC-TN	1250	WSRA-GA		WGAP-TN		KNEL-TX
970	WFQY-MS		WKDX-NC		KEBE-TX		KJNT-WY
990	CBDB-YT	1260	KCCB-AR	1410	WYIS-GA	1500	WQMS-MS
1050	WJCM-FL	1270	KIIK-MO		WVVB-TN		WSMX-NC
1070	KBCL-LA	1290	WJBI-MS		KHCH-TX	1520	WINW-OH
1110	WOMN-LA		WTYL-MS	1420	WMYN-NC	1550	WUCO-KY
	WYMW-WV	1310	KZYP-AR		KFYN-TX	1560	WBOL-TN
1120	WHOG-AL	1330	KGLD-TX		WXGM-VA	1570	WOKC-FL
1150	WXKO-GA		WHNK-VA		KRIZ-WA		WIZR-MS
	WONG-MS		KGRG-WA	1430	KVHZ-AK		WLEE-MS
	KBPO-TX	1340	WSBM-AL		KHBM-AR	1580	WNPZ-TN
1190	WPSP-FL		WMHZ-AL		WWSZ-GA	1590	WABV-SC
1210	KZOO-HI		KCAT-AR		KMRC-LA	1600	KTTN-MO
1220	WERM-AL		KQIS-AR		KKOZ-MO		WRSB-NY
	WSRQ-FL		WPBR-FL		KROL-MO		
	WZOT-GA		WGAU-GA	1440	WOCJ-MS		
	KQMG-IA		WAML-MS		WBLA-NC		

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