

# DX News

Serving Medium Wave DXers since 1933

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**DX Tests:** WNJC-1360 Washington Township NJ has been running weekly DX tests 0000-0200 ELT Sunday mornings (Saturday evenings), and CE Duke Hamann plans to keep them going through October. Last week there was a traditional DX test at 0000 (heard well here in northern Virginia) and at 0100 WNJC used a ham-radio digital modulation system called FT8, which can be decoded by computer and was received on the West Coast! Duke has set up a Facebook group <https://www.facebook.com/groups/wnjc1360dx> with test details. Or subscribe to the NRC e-mail list (see Musings for details on how to sign up).

**From the Publisher:** CKSP-600 Vancouver was to begin broadcasting this morning (Sept. 28) at 7 a.m. Pacific time with Punjab programming.

We're mostly caught up with unpublished material – see you in 2 weeks with more!

## Membership Report

"This will be my 28th year in the club, and I have enjoyed every one of them and every copy of *DX News*." – Bill Dvorak

"I'm renewing for another year in the NRC. What a job by all in the face of a difficult year on so many levels. This will be my 50th year in



various radio clubs. NRC: Keep up the good work!" – Gary Siegel

**New Members:** Welcome to Jim Dapkus Westfield, WI; Ken Dupere, Pointblank, TX; Jeffrey Kitt, Converse, TX; Roger Laskowski, Ira, MI; and David Reitz, Las Vegas, NV.

**Returning Members:** Welcome back to Linda Brodsky, Malverne, NY; Martin Lange, Troy, OH; and Stephen Lindsay, Glenville, PA.

**Renewing Members:** Thanks for the ongoing support of Donald A. Boyer; John Callarman; Arthur Delibert; Michael DeWan; Bill Dvorak; Karl V. Jeter; Gary Siegel; and Jussi Suokas.

## Volume 88 DXN Schedule

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

## NRC AM Radio Log – 41st Edition Now Shipping

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

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

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# AM Switch

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 Canadian info – Compiled by Shawn Axelrod, Dan Sys, and Jon Pearkins  
 NRC AM Log updates from Wayne Heinen, [amlog@nationalradioclub.org](mailto:amlog@nationalradioclub.org)

## *FCC and CRTC Decisions and Applications*

### CALL LETTER CHANGES

1370 KUPA HI Pearl City – Call change to KHXM (Sept. 24).  
 1600 WAYC PA Bedford – Call change to WRAX (Sept. 15).



### STATIONS GOING DARK

License cancelled, calls deleted:

1490 KQTY TX Borger – License cancelled per Sept. 14 request by licensee; has been silent since Aug. 16, 2019 (although never on the FCC silent list).  
 1540 WWRO TN Benton – License cancelled per Sept. 8 request by licensee; has been silent (as WBIN) since Sept. 19, 2019; WWRO never used on the air.

### CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs fully licensed and on the air:

1270 WJJC GA Commerce – Granted license to cover CP with U1 1000/173, existing site.  
 1580 WPJK SC Orangeburg – Granted license to cover CP for U1 3300/22, new site 33-29-55/80-50-33.

CPs granted:

1230 KPRL CA Paso Robles – Granted CP to move tower to 35-39-22/120-41-05, remaining U1 1000/1000.  
 1590 KLIV CA San Jose – Granted CP for U2 6200/5000, new site (diplexed with KVVN-1430) at 37-19-47/121-51-58.

Amendment to previously issued CP granted:

730 KDAZ NM Albuquerque – Has CP for U1 500/65 on 700 kHz, granted CP amendment to U1 450/65, still on 700 kHz, still from current site.

Applications for CPs received:

710 KSPN CA Los Angeles – Applies for CP with U4 34000/2500, new site (diplexed with KRDC-1110) at 34-06-50/117-59-51.  
 950 KPRC TX Houston – Applies for CP with U2 7000/4300, new site (diplexed with KBME-790) at 29-54-55/95-27-48 day, 29-54-56/95-27-46 night.  
 1260 WFTW FL Fort Walton Beach – Applies for CP for new (Valcom) tower, stays U1 2500/131.  
 1400 WZAZ FL Jacksonville – Applies for CP, new site 30-19-05/81-32-24.

### SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

560 WEBC MN Duluth – Granted STA, U3 5000/5000, night pattern 24 hours.  
 590 KSUB UT Cedar City – Applies for STA, U2 1000/1000, antenna tuning unit problems.  
 850 WKGE PA Johnstown – Granted STA, U1 2500/2500.  
 880 KLRG AR Sheridan – Granted STA, U2 31000/220, transmitter can't go to full power.  
 1240 WHVN NC Charlotte – Granted STA, U1 600/600, unipole at 35-15-50/80-46-13, lost site.  
 1300 KKOL WA Seattle – Granted STA, U4 3200/3200, silent station needs to broadcast.  
 1320 WDER NH Derry – Granted STA, U4 10000/400, lost one tower of night array.

Application for STA received:

970 KBUL MT Billings – Applies for STA, night parameters at variance (using U2 5000/2500).  
 1430 KVVN CA Santa Clara – Applies for STA, U1 250/625, turning off ATU due to fire risk.  
 1530 WVBF MA Middleborough Center – Applies for STA, U4 2500/4, lightning damage.

Extensions granted to existing STAs:

580 KUBC CO Montrose – Granted STA extension, night parameters at variance.

920	WURA	VA	Quantico	–	Granted STA extension, U1 1750/243.
950	KJTV	TX	Lubbock	–	Granted STA extension, U4 2500/500.
1150	KAGO	OR	Klamath Falls	–	Granted STA extension, U1 5000/250.
1230	WTCJ	IN	Tell City	–	Granted STA extension, reduced power (using U1 20/20).
	WJOI	VA	Norfolk	–	Granted STA extension, U1 157/157, whip at licensed site.
1250	WSPL	IL	Streator	–	Granted STA extension, U1 110/35.
1330	WINT	OH	Willoughby	–	Granted STA extension, U1 125/11 or experimental antenna.
1360	KUIK	OR	Hillsboro	–	Granted STA extension, U2 1500/1500.
1370	WCOA	FL	Pensacola	–	Granted STA extension, U3 2000/2000, night pattern 24 hours.
1440	WWCL	FL	Lehigh Acres	–	Granted STA extension, U4 4700/4700, Cuba QRM/xmtr issue.
1480	WPWC	VA	Dumfries-Triangle	–	Granted STA extension, U1 1250/125.
	WTOX	VA	Glen Allen	–	Granted STA extension, U1 1570/375.
1520	KOLM	MN	Rochester	–	Granted STA extension, U3 800/800, night pattern 24 hours.
1590	WKTP	TN	Jonesborough	–	Granted STA extension, U1 1800/23 as in CP.

Applications to extend existing STAs received:

550	KTRS	MO	St. Louis	–	Applies to extend STA, U1 5000/400.
850	WEEL	MA	Boston	–	Applies to extend STA, parameters at variance, nearby tower tuning.
970	WFUN	OH	Ashtabula	–	Applies to extend STA, parameters at variance.
980	KTCR	WA	Selah	–	Applies to extend STA, U1 1000/250 from KRSE-105.7 tower.
990	KZZB	TX	Beaumont	–	Applies to extend STA, U1 250/250.
1010	KIHU	UT	Tooele	–	Applies to extend STA, U1 50000/48.5 (ch 10500).
1110	WPMZ	RI	East Providence	–	Applies to extend STA, D3 1000.
1390	KBBO	WA	Yakima	–	Applies to extend STA, parameters at variance.
1500	KBRN	TX	Boerne	–	Applies to extend STA, D1 225, 150' LW at 29-50-26/98-49-32.
1590	WFTH	VA	Richmond	–	Applies to extend STA, lower part of damaged tower only.

#### SILENT STATIONS

Stations informing the FCC that they are silent:

1120	WBBF	NY	Buffalo	–	Silent Sept. 11; grounding issue with the tower.
1230	KSJK	OR	Talent	–	Silent Sept. 8; station destroyed in wildfire.
1400	KBYG	TX	Big Spring	–	Silent Sept. 8; transmitter damage from lightning.

### *NRC AM Log Updates*

580	CHAH	AB	Edmonton	–	Slogan to "Radio Sursangam," "My Radio 580."
640	WMFN	IL	Peotone	–	Slogan to "La Poderosa," delete // WCPY-92.7. (TV)
730	WTNT	VA	Alexandria	–	Group to Grp= La Mega Capital 97.5 FM 92.9 FM; (ex-Grp= La Capital).
760	WVNE	MA	Leicester	–	Group to Grp= Life Changing Radio.
790	KXXX	KS	Colby	–	Slogan to "Farm-n-Country 790."
	KGMI	WA	Bellingham	–	Networks to C/Ru/DR/CMP/WW1/C2C. (TV)
820	WJFN	VA	Chester	–	Networks to SRN/WW1/RER; slogan & Group to Grp= NewsTalk WJFN.
850	WKGE	PA	Johnstown	–	Slogan to "Classic Hits." (SK)
870	KFJZ	TX	Fort Worth	–	Slogan to "Radio Vida 870 AM." (JW)
890	WLS	IL	Chicago	–	Networks to A/CMP/Ru/WW1/JBo/RER. (WH)
900	KFLP	TX	Floydada	–	Networks to SRN/AGt.
930	WKBM	IL	Sandwich	–	Slogan to "Relevant Radio," delete Grp= Relevant Radio –Chicago; adds // WNTD-950. (TV)
	WSFZ	MS	Jackson	–	Format to TLK (ex-Rock); networks to WW1/P/SRN; slogan & Group to Grp= 103.9 Stimulating Talk.
950	WNTD	IL	Chicago	–	Slogan to "Relevant Radio," delete Grp= Relevant Radio –Chicago; adds // WKBM-930. (TV)
990	WGSO	LA	New Orleans	–	Slogan to "Speakin' Easy," networks to USA/WW1. (TV)
1010	KTNZ	TX	Amarillo	–	Format to REL (ex-SS:REL); networks to EWTN; slogan & Group to Grp= Catholic Radio on the High Plains. (JW)
1080	WHOO	FL	Winter Park	–	Format to SS:REL (ex-REL); Slogan to "Relevant Radio En Espanol®." (TV)
1090	WILD	MA	Boston	–	Format to REL (ex-Silent); networks to SRN, slogan & Group to Grp= Life Changing Radio. (MD)



- 1100 KWWN NV Las Vegas – Slogan to “ESPN Las Vegas,” adds // K265EZ-100.9; delete Grp= ESPN Las Vegas.
- 1160 KSL UT Salt Lake City – Networks to A/BNN/JBo. (TV)
- 1230 WRBS MD Baltimore – Delete slogan.  
 KLAV NV Las Vegas – Slogan to “1230 AM The Game,” delete Grp= ESPN Las Vegas, nets.  
 WTSV NH Claremont – Slogan & Group to Grp= WEEI-FM.  
 WJOY VT Burlington – Networks to A.
- 1240 WATT MI Cadillac – Networks to C/Ru/P/Fox/C2C.
- 1260 WPNW MI Zeeland – Format to CCR (ex-REL/TLK); Group to Grp= Joy Worship 96.5/98.9 (ex-Grp= The Pledge).  
 KPOW WY Powell – Networks to USA/Wy/JBo/CMP/P/RER. (WH)
- 1310 WOKA GA Douglas – Format to CCR (ex-GOS); slogan to “106.3 The Tree,” network to SRN.
- 1330 WESR VA Onley-Onancock – Network to Vn. (SK)
- 1350 KSRO CA Santa Rosa – Networks to A/BTR/WW1/C2C. (TV)
- 1360 KDJW TX Amarillo – Slogan & Group to Grp= Catholic Radio on the High Plains (ex-Grp= St. Valentine Radio). (JW)
- 1370 KXTL MT Butte – Networks to Fox/P/Ru/DR/JBo/SBN/C2C. (WH)
- 1380 WWMI FL Saint Petersburg – Format to SS:REL (ex-REL); slogan to “Relevant Radio En Espanol®.” (TV)  
 WMTA KY Central City – Format to AC (ex-TLK); slogan to “Star 103.7.”  
 KXFN MO Saint Louis – Slogan to “Relevant Radio En Espanol®.” (TV)
- 1430 WL TG FL Panama City – Format UC:CHR (ex-NWS/TLK); slogan “Hot 101.7,” drop nets.
- 1440 WVEI MA Worcester – Slogan & Group to Grp= WEEI-FM; networks to ESPN; delete // WVEI-FM-103.7.
- 1440 KODL OR The Dalles – Format to C&W (ex-NOS); slogan & Group to Grp= Country’s Greatest Hits AM 1440. (PM)
- 1450 KWBW KS Hutchinson – Networks to C/Bf/KAg/Ru/P/DR/SRN/CS/Jr. (TV)  
 WCJU MS Columbia – Format to CLR (ex-TLKd/CLRn); slogan to “The Pearl,” networks to A/Ms; adds // W274CB-102.7, delete // WCJU-FM-104.9. (DXMid)
- 1460 KDMA MN Montevideo – Networks to A/Mn/WW1/AGt/Li/NOR. (TV)  
 WKDV VA Manassas – Group to Grp= 97.7 FM - 106.3 FM 1460 AM La Ley (ex-Grp= La Ley).
- 1500 KCLF LA New Roads – Networks to USA.
- 1520 WLUV IL Loves Park – Format to OLD (ex-C&W).
- 1600 WZNZ FL Atlantic Beach – Format to SS:REL (ex-REL); slogan to “Relevant Radio En Espanol®.” (TV)

### New Groups

Grp= 103.9 Stimulating Talk, WYAB-103.9, WSFZ-930, W296DD-107.1

Grp= Catholic Radio on the High Plains – KDJW-1360, KTNZ-1010, KHFN-LP-105.5, K228FO-93.5

Grp= Country’s Greatest Hits AM 1440 – KODL-1440, K256AC-99.1, K263BT-100.5 (PM)

Grp=Life Changing Radio – WVNE-760, WILD-1090, W268CQ-101.5 (MD)

Grp= NewsTalk WJFN – WJFN-820, WJFN-FM-100.5, W224EB-92.7

Grp= WEEI-FM – WEEI-FM-93.7, WTSV-1230, W233CC-94.5, W232DN-94.3, WVEI-1440, WVEI-FM-103.7

### Group Name Changes

Grp= La Capital becomes La Mega Capital 97.5 FM 92.9 FM

Grp = La Ley becomes 97.7 FM - 106.3 FM 1460 AM La Ley

Grp= The Pledge becomes “Joy Worship 96.5/98.9”

### Group Changes

Grp= 101 the Met adds W239BK-95.7 Bath

Grp= KRMS News/Talk drops K285ER-104.9 Osage Beach

### Delete Groups

Grp= ESPN Las Vegas

Grp= Relevant Radio -Chicago

Grp= St. Valentine Radio



Thanks to Thanks to Shawn Axelrod, Bill Hale, FCC Database (FCC), Marc DeLorenzo (MD), Steve Kennedy (SK), Tore Vik (TV), DXMidAmerica (DXMid), John Wilkins (JW), KFJZ, and Patrick Martin (PM).

# Domestic DX Digest – West

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

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

Upcoming deadlines for DDXD-West: **Issue 2 October 9; Issue 3 October 23, 2020.**

## --- REPORTERS ---

- SB-CA** **Stephanie Battaglini Palm Desert, California** Perseus w/Jaguar Pro, Wellbrook ALA 1530 LNP (mounted on a rotor on my outside patio ~22 feet. above ground level) RPA-2 Preamp, ANC-4 Noise Canceller
- SB-WA** **Stephanie Battaglini Palm Desert, California** **DXing virtually from the Grayland, Washington** KiwiSDR with a 160-foot DKAZ antenna pointed at 295 degrees [Stephanie adds: "It was a real joy DXing virtually from the Grayland, WA site with the KiwiSDR and the 160-foot DKAZ antenna Bill Whitacre erected on the site - pointed at 295 degrees. Thanks so much for doing that Bill - it is beyond much appreciated. Unlike my more seasoned fellow DXers who have been all over the TP channels, my interest was primarily in seeing what Alaska and Hawaii stations I could copy as well as stations from other western states and Canadian provinces. In short, logging what I otherwise wouldn't have much of a realistic shot at from my southern California desert home with my trusty Wellbrook ALA 1530 LNP. I was more than pleasantly surprised at the outstanding performance of the DKAZ - what a DXing tool!"]
- SB-UT** **Sean Breazeal Stansbury Park, Utah** Afedri SDR-Net with Wellbrook ALA 1530 LNP active loop on 15' pole. Audio at [medievalcoinage.com/dx](http://medievalcoinage.com/dx)
- KMD-MN** **Kurt Decker Browerville, Minnesota** Receivers: Icom R75, DX-390, Bose Home Stereo w/ 6inch loop antenna Antennas: 100 foot longwire up 50 feet, homebrew 3 foot box loop, homebrew 1 foot box loop
- RD-NE** **Rick Dau South Omaha, Nebraska** Kenwood R-5000 + Quantum QX Pro loop // 977 domestics, 1028 overall heard here since since 9/13/2010
- TK-FL** **Terry Krueger Niceville, FL** IC-R75, NRD-535, ICF-7600GR, active loop, random wire
- MN-KY** **Mike Newland Morgantown, Kentucky** Realistic DX-400; Icom IC-7300 & 750 foot longwire
- HO-ID** **Hugh O'Riordan Boise, Idaho** Sangean ATS 909 X
- JP-AB** **Jon Pearkins Edmonton, Alberta** Sangean PR-D15 & HDR-18 barefoot
- DLR-NV** **David Reitz Las Vegas, Nevada** Receiver: Tecsun PL880 + Tecsun loop
- JJR-MI** **John J Rieger L'Anse, Michigan** Grundig Satellit 750 -Terk AM1000 loop, Sangean ATS-909X stock (The Terk loop can/does phase the Grundig antenna)
- JJR-WI** **John J Rieger South Milwaukee, Wisconsin** Icom IC-R75 MFJ-959B tuner, preamp, Kiwa loop, Sangean ATS-909X stock
- JNS-MN** **John Sampson Grand Rapids, Minnesota** Drake R8B w/250 foot N/S longwire
- JW-CO** **John Wilkins Wheat Ridge, Colorado** Drake R-8, 4-foot box loop

## --- DX TESTS ---

- 1360 WNJC NJ Washington Township – 9/12 0433** – Fading up with tone, followed by CW ID cycle then sweep tones. WHNR Classic Rock and an unidentified ESPN mostly dominating. Station web dead, but TuneIn audio found, providing local quality listening. (TK-FL)
- 1360 WNJC NJ Washington Township – 09/13 0123 and on** – DX Test in very faintly, with sweeps, code, etc. In and out, with horrible QRM, mainly from WKMI. Thought I had no chance of hearing this but, thanks to the tones, was able to. Very nice E-mail QSL from Duke Hamann. Last time I heard this station (actually, its ancestor) was from Freehold, NJ in 1962 when it was WWBZ, Vineland. (JNS-MN)

--- UNID ---

1680 UNID ?? – 9/22 0500-0630 – WPRR was really under-modulated this morning, leaving SS . . . but who? (JJR-MI)

--- UPDATES ---

1230 KLAV NV Las Vegas – 9/21 2259:30 – Faded up with mention of “On the All-New 12-30 The Game . . .” followed by call letters. **Format change.** (I assume the new format is “Sports”. ?? Verified the new format/slogan on the ‘Lotus Las Vegas’ website. (MF-CA)

--- DX LOGGINGS ---

- 540 WXYG MN Sauk Rapids – 9/14 0645 – Poor -- Tom Petty song, “AM 540 WXYG The Goat”. Equal to CBK. (JJR-MI)
- 540 WXYG MN Sauk Rapids – 9/17 2016 – Good, with CCR’s ‘Down on the Corner’, ID “540 WXYG”. (KMD-MN)
- 550 KTZN AK Anchorage – 9/17 0230-0240 – Fair-to-poor, under/mixing with KARI and KOAC ,with sports talk of NBA playoffs and L.A. Lakers. // stream. 5 kW at 1,424 miles. (SB-WA)
- 560 KLZ CO Denver – 9/14 0728 – Poor, replacing KMON with talk and ads for ‘USMed’ and ‘The Tax Doctor’, then five seconds of silence (where calls should have been placed) and into USA News. Alone. They are the only USA affiliate on 560, so . . . (JJR-MI)
- 560 KMON MT Great Falls – 9/17 0245-0252 – Fair, underneath KPQ, with country music – ‘3rd-Rate Romance’ and an Alan Jackson tune into “You’re in Big Sky Country, 5-60 KMON” by male. 5 kW at 603 miles. (SB-WA)
- 560 KPQ WA Wenatchee – 9/24 0432 – National news, ID: “News Talk 560 KPQ”, local ads for ‘All Seasons RV’ and ‘Coastal Farm and Ranch’. Weather forecast into ‘Coast to Coast’. Good, clear signal. (DLR-NV)
- 570 KUAH HI Eleele – 9/17 0255-0305 – Very poor, way under KVI’s ‘Red Eye Radio’ with country music tunes and mention of “FM 104.5” between songs. 1 kW at 2,607 miles. (SB-WA)
- 570 KVI WA Seattle – 9/24 1904 – Local ads for ‘Valentine Roofing’ and ‘K2 Vision’ with a 425# given. Ad for ‘U.S Tax Shield’, then ID: “You’re listening to the Lars Larsen show on KVI” into the show. Good, over regular KNRS. (DLR-NV)
- 580 KUBC CO Montrose – 9/17 0647 – Very poor, with “Colorado” and “Colorado’s Number One . . .” followed by Billy Joel song. Assumed. (JJR-MI)
- 580 KIDO ID Nampa – 9/23 0741 – Very poor, with ‘Dave Ramsey’ promo, “KIDO Talkradio”. Weak, with UNID SS in too. (JJR-MI)
- 580 KTMT OR Ashland – 9/17 0327-0331 – Poor. Bubbled up out of the mix with CBS Sports talk with Amy Lawrence. // stream. 1 kW at 329 miles. (SB-WA)
- 590 KHAR AK Anchorage – 9/17 0341-0355 – Fair-to-good, mixing occasionally with KSSK. CBS Sports talk with Amy Lawrence discussion of Dodgers, Padres and neutral site playoffs. 5 kW at 1,424 miles. (SB-WA)
- 590 KSSK HI Honolulu – 9/17 0345-0355 – Poor, under KHAR, with Belinda Carlisle and Avril Lavigne tunes. // stream. 7.5 kW at 2,580 miles. (SB-WA)
- 610 KILT TX Houston – 9/7 0552 – Goodwill PSA, “Sports Radio 610” promo and back to CBS Sports programming. (TK-FL)
- 620 CKRM SK Regina – 9/24 0724 – Country music, ads for ‘?? Livestock Auction’, ‘Milligan Bio’, ‘Recycle Your Canola Oil’. ID: “620 CKRM” into more country music. Good, over pest KTAR. (DLR-NV)
- 630 CHED AB Edmonton – 9/15 0112 – Global News with talk of “. . . food pantry need in Canada”, and “Covid-19”. Local ad for ‘Spence Diamonds’ in Edmonton. “The Shift, Canada’s All-Night Conversation” // webstream. No ID. (DLR-NV)
- 630 CHED AB Edmonton – 9/18 0420-0425 – Fair, mixing with KCIS, with Global News and The Shift program discussing Saskatoon’s drug problems. 50 kW at 659 miles. (SB-WA)
- 640 KYUK AK Bethel – 9/18 0410-0419 – Good, with NPR’s ‘Undercurrents’ program with Craig McVicar. Willie Nile, Ry Cooder and Beatles tunes noted. // stream and website schedule. 10 kW at 1,782 miles. (SB-WA)
- 640 KFI CA Los Angeles – 9/24 0736 – Fair! ‘Coast to Coast’, ‘HealthyLooking.com’ wiping out WOI! Loud! (JJR-MI)
- 660 WBHR MN Sauk Rapids – 9/17 2022 – Good, with ESPN broadcast of Miami vs. Boston basketball game. (KMD-MN)





- 660 CFFR AB Calgary – 9/22 0415 – 0420 – Good, with KTNN off, with sports report at tune-in. Mention of Blue Jays beating the Yankees and “TSNsports.ca” into Canadian news with several Ottawa mentions and Sportsnet Stanley Cup contest spot. 50 kW at 1,180 miles. Canada #3 from the SoCal desert. Many thanks to the IRCA list for the tip on KTNN! (SB-CA)
- 660 CFFR AB Calgary – 9/24 0020 – With news about how Covid 19 is effecting the construction business in Alberta. Local ad for ‘Nissan’, ID: “All News Calgary”, traffic and weather reports. ID, then more news about Covid 19. Heard before, but much easier with KTNN off the air for now. (DLR-NV)
- 670 KDLG AK Dillingham – 9/18 0351-0401 – Good, with Dylan’s ‘Maggie’s Farm’ into ‘The Sky is Crying’. TOH ID: “Your radio is tuned to 6-70 KDG, Dillingham” by male into NPR’s ‘Undercurrents’ program with Greg McVicar. // stream. 10 kW at 1,636 miles. (SB-WA)
- 680 KBRW AK Barrow – 9/18 0338-0350 – Good, under KNBR, with ‘Semi-Charmed Life’ by Third Eye Blind into Tom Jones’ ‘Kung Fu Fighting’ and Bonnie Raitt’s ‘Just Love Sneaking Up On You’. // stream. 10 kW at 1,992 miles. (SB-WA)
- 680 KKYX TX San Antonio – 9/19 0730 – Classic Country, “Country Legends” dropped between songs. (TK-FL)
- 690 KTSM TX El Paso – 9/15 0704 – “NBC NewsRadio”, ‘I Heart’ stuff, ad for ‘Isan(?) Jewelers, 5859 North Mesa’, and liner: “El Paso’s NewsRadio 690 KTSM”. Fair! Alone, solid! (JJR-MI)
- 700 KBYR AK Anchorage – 9/18 0335-0338 – Good, with ‘Dave Ramsey Show’. // stream. 10 kW at 1,428 miles. (SB-WA)
- 710 KNUS CO Denver – 9/21 0746 – Poor, with ‘Genesis Roofing and Siding’. “If you mention 710 KNUS” . . .” Others in. (JJR-MI)
- 710 KIRO WA Seattle – 9/18 2225 – Seattle Mariners baseball “. . . on the Mariners Network”, then ID. No sign of normal KSPN. Also had slop from local 720 KDWN. New. (DLR-NV)
- 720 KOTZ AK Kotzebue – 9/18 0327-0332 – Fair-to-good, with local bulletin board with male host into country tune by Jessica Andrews followed by weather report for the Baldwin Peninsula and Cape Espenberg (fog, rain, 40’s) by same host. // stream. 10 kW at 1,950 miles. (SB-WA)
- 730 KLOE KS Goodland – 9/17 0733 – Poor, with calls and time check after stock report from Fox. Lost to WJMT’s power-up. (JJR-MI)
- 740 KCBS CA San Francisco – 9/17 0732 – Poor, with “KCBS Newstime – 4:32” while looking for CBX! No CFZM. Rare. (JJR-MI)
- 740 CBX AB Edmonton – 9/21 0743 – “Health Canada” in chatter. “CBC Radio 1” heard @ 0746. Poor, but alone. (JJR-MI)
- 740 CFZM ON Toronto – 09/19 – Good signal, oldies music playing Supremes’ ‘Someday’ followed by ID at 2256. Beatle’s ‘Hard Day’s Night’ at 2303. Strong signal through 2330 including several IDs as “Zoomer Radio, The Original Greatest Hits”. (MN-KY)
- 750 KFQD AK Anchorage – 9/18 0308-0315 – Fair, dueling with KXTG, with ‘Ground Zero’ program. // stream. 50 kW at 1,436 miles. (SB-WA)
- 760 CFLD BC Burns Lake – 9/18 0259-0302 – Good, with Colin James’ “Five Long Years” tune followed by “The Moose” non-ID at TOH, into Doobie Brothers’ “Listen to the Music” which abruptly switched into “Moose News” with a female anchor into REO Speedwagon tune. // stream. 1 kW at 518 miles. (SB-WA)
- 770 KCHU AK Valdez – 9/18 0246-0255 – Good, with NPR’s Café Jazz program. Instrumental jazz and female jazz vocal tune noted. // stream. 9.7 kW at 1,324 miles. (SB-WA)
- 770 KATL MT Miles City – 9/17 0700 – Poor – “Serving Montana 24 hours-a-day. . . KATL Miles City”. ‘Royals’ by Lorde. (JJR-MI)
- 770 KTTH WA Seattle – 9/18 0040 – ‘Mark Levin Show’, local ads for ‘K2 Vision’ and ‘575 Advisors’, PSA for ‘Voice Your Vote’, more Mark Levin. ID : “94.5 FM / 770 AM Newstalk 770 KTTH. Fair, mixing with KKOJ. (DLR-NV)
- 780 KNOM AK Nome – 9/18 0235-0242 – Poor, over KKOJ’s REL program. ‘Call-a-Friend’ PSA followed by music with indigenous chanting, followed by PSAs about ‘Too Much Caffeine’ (never!) and ‘Courage’. Online program schedule notes “Music Mix” for this time period. 14 kW at 1,961 miles. (SB-WA)
- 780 WJAG NE Norfolk – 9/21 0735 – “Sioux Land Weather from Fox 44”, ‘Limbaugh Minute’, calls. Poor, with WBBM nulled. (JJR-MI)



- 790 KCAM AL **Glenallen** – 9/18 0225-0230 – Fair-to-good, with KGMI's C2C underneath, with religious talk with female host who began singing hymns live in the studio along with Bible readings. // stream. 5 kW at 1,350 miles. **(SB-WA)**
- 790 KGHL MT **Billings** – 9/8 0628 – “Southeast Montana Weather”, local ads and ID: “AM 790 KGHL” into Country music. With local KBET off. **(DLR-NV)**
- 790 KGHL MT **Billings** – 9/20 0740 – Ad for “??? Meat Supplies, 1 day shipping from Billings” and “Second Shift (bar?), I-90, exit 452”. Poor, but atop. **(JJR-MI)**
- 800 KINY AK **Juneau** – 9/18 0211-0215 – Fair, with CKOR underneath, with ‘Levon’ by Elton John into Dire Straits’ ‘You’re So Far Away From Me’. “KINY” mention between songs. // stream. 7.6 kW at 903 miles. **(SB-WA)**
- 800 KBRV ID **Soda Springs** – 9/23 0825 – C&W music, with a mention of ‘106.3 FM’; area news at 0829, with mentions of website ‘mylocalradio.com’; back to music at 0835 after an “AM 800 The Bear” slogan. Fair. **(JW-CO)**
- 800 KQCV OK **Oklahoma City** – 9/24 0700 – Poor, with several REL promos, events, PSAs. ‘Bott Radio Network’ jingle. Assumed. **(JJR-MI)**
- 800 WPCA WI **Waupaca** – 9/21 0807 – Very poor . . . way, way under WVAL, with “100.7 The Foundry”. As WDUX, was more common. **(JJR-MI)**
- 810 KSWV NM **Santa Fe** – 9/14 0236-0300 – Fair-to-good, under KGO, with C2C. Beach Boys and Elvis with a quick “KSWV” mention between tunes. TOH ID “KSWV, 8-10 AM, 99.9 FM and translator K260CT” into Jefferson Airplane’s ‘White Rabbit’. Listed at 10 Watts nights, but it may have been more like 5 kW day power at 604 miles. **(SB-CA)**
- 820 KCBF AK **Fairbanks** – 9/18 0157-0201 – Fair, mixing with, then under KGNW, with ESPN’s ‘SportsCenter All Night’ and ads for ‘Harry’s Shaving’ and ‘Eye Clinic of Fairbanks’. “ESPN weather forecast” by female into TOH ID: “K300DL 107.9 and 8-20 KCBF, Fairbanks” by female. // stream. 10 kW at 1,528 miles. **(SB-WA)**
- 830 KSDP AK **Sand Point** – 9/18 0140-0148 – Good, over KHVH, with NPR’s World Café program. Female host discussing Beatles’ Eleanor Rigby and the cover of it by the Black Pumas. // stream. 1 kW at 1,663 miles. **(SB-WA)**
- 830 KNCO CA **Grass Valley** – 09/13 0012 – ‘Bill Cunningham Show’, local ads for ‘Mike Bratton State Farm Insurance’ and ‘High Sierra Electric Generators’, KNCO ID. No sign of KLAA. **(DLR-NV)**
- 830 KHVH HI **Honolulu** – 9/18 0140-0148 – Poor, under KSDP, with ‘Buck Sexto’ show. “8-30, KHVH” mention by male at show break. // stream. 10 kW at 2,581 miles. . **(SB-WA)**
- 860 KTRB CA **San Francisco** – 9/20 0712 – Poor, with Sebastian Gorka: US/Israel, ads for ‘My Pillow’ with code: ‘Salem’, ‘Trinity’ (a debt service), ??? movie at Salemnow.com, use code “Bay Area” and at 0721: “860 AM, the Answer”. At 0738, this station was almost loud!!! CJBC, in earlier, was gone. Rare. **(JJR-MI)**
- 870 KPRM MN **Park Rapids** – 9/15 0645 – “Contact” program, REL(?). Southern GOS into network LID for KPRM/others. Poor. **(JJR-MI)**
- 870 KFJZ TX **Fort Worth** – 9/23 0804 – Promo or program note mentioning “Radio Viva [or Vida] 870 AM; legal ID at 0804:30: “This is 870 AM KFJZ Fort Worth and 102.5 FM K273CS Fort Worth, Texas”. Fair signal. **(JW-CO)**
- 910 KPOF CO **Denver** – 9/22 0200 – Very poor, way under KECR and KGME, with their call letters “KPOF” by male noted at TOH. Was looking for KMPS, but not readable. 1 kW nights at 753 miles. **(SB-CA)**
- 910 KCJB ND **Minot** – 9/22 0740 – Tuned in to ‘Word of the Day’ is YAR, “National Farm Report”, ad for ‘Sandy Goldberg Silver Lining Foundation’ event 612 area code, more Farm Report, ads for a local dentist giving 701 area code, ‘Shocke Lock Service’, ‘I Heart Radio’, ID: “91 KCJB”, sports update, ID and PSA for ‘IRS.gov’. Then KCJB Weather with Lisa Robinson into Country Music. NEW logging. Heard again 9/24. **(DLR-NV)** [That ‘YAR’ must be Minotian for ‘your’. ?? – Ed.]
- 910 CKDQ AB **Drumheller** – 9/22 0748 – Poor – “This is CKDQ – Real Country 910 AM” between songs. Sounded different from KCJB. Glad I stayed around. **(JJR-MI)**
- 920 KWAD MN **Wadena** – 9/17 1115 – Fair, with local sports announcements, PSA for ‘flu shot clinic for 65+ at Wadena Clinic’, ads for ‘Hugo’s Grocery’, ‘West Central Telephone internet’, ID: “Classic Country KWAD”, then “Hank Williams Triple Play on KWAD”. **(KMD-MN)**
- 930 KKIN MN **Aitkin** – 9/20 0823 – Poor, with “Homegrown Radio’s Biggest Hits -- KKIN”, then ‘Return to Sender’ by Elvis. **(JJR-MI)**



- 940 KPSZ IA Des Moines – 9/24 2000 – Poor -- “Iowa’s ??? Radio Station” – LID into REL show. Not common. (JJR-WI)
- 940 KVSH NE Valentine – 9/25 0727 – Poor -- Forecast for “??? Nebraska”. “Yesterday’s High in Valentine: 91. (JJR-WI)
- 960 KLTF MN Little Falls – 9/17 1120 – Fair with much fading. “Partyline” with Garden Advice host call-in program, ID: “This is Partyline on KLTF”. Ad for ‘Horizon Health Services’. (KMD-MN)
- 970 KFBX AK Fairbanks – 9/17 0210-0220 – Fair, mixing with conservative talker (presumed KUFO) with C2C. George’s guest was David Politis. // stream. 10 kW at 1,528 miles. (SB-WA)
- 970 KUFO OR Portland – 9/13 0156 – Tuned in to ‘Dave Ramsey’. “Freedom 9-70” slogan, Fox News at ToH and then back to Dave. (MF-CA)
- 980 KKMS MN Richfield – 9/21 0655 – “Alexa, play the Mission, Minneapolis” and “980 The Mission”. Poor, with others. (JJR-MI)
- 980 KSVC UT Richfield – 9/21 2120 – Faded in with ‘Dave Ramsey’, weather at BoH, Fox News, back to Dave Ramsey. Gone at 2145, verie already received. New under local KFWB. (MF-CA)
- 980 CJME SK Regina – 9/21 0728 – Ad for ‘Meridian Products’, then “980 CJME News, Talk, Sports”. Poor, over others. (JJR-MI)
- 990 KIKI HI Honolulu – 9/17 0148-0201 – Fair, in the mix, with ‘Colin Cowherd Show’ spot into ‘Ben Maller Show’ with L.A. Clippers mentions from NBA playoffs. More Cowherd spots near TOH with “KIKI” by male noted at 0200. 5 kW at 2,580 miles. (SB-WA)
- 1000 KOMO WA Seattle – 9/20 0730 – Poor, with ads for ‘??? Washington’s preferred contractor’, ‘US Tax Shield’ and ‘Columbia(?) Properties’. Then ‘Meteorologist ??? from The Weather Center, “Komo News” at 0735. WMVP nulled. (JJR-MI)
- 1010 KSIR CO Brush – 9/24 0731 – Poor, with ‘Ag News for the West’. Ad for ‘Savannah Irrigation’. Alone. (JJR-MI)
- 1010 CBR AB Calgary – 9/22 0710 – Poor, but alone, with “I’m Mika . . . CBC News” and ‘CBC Radio One International Finance’. (JJR-MI)
- 1040 WHO IA Des Moines – 9/14 0225-0232 – Good UFO discussion (what else?) on C2C with guest host Jimmy Church. Kinks outro into BOH news with Sam Burrow and “Newsradio10-40, WHO” ID, local ads and iHeart radio mention. 1,365 miles. (SB-CA)
- 1050 KCAA CA Loma Linda – 9/14 0330-0332 – Surprisingly fair for being so close to me, with TOH ID: “KCAA, Loma Linda” by male into ad sales promo into country music. 35 Watts nights with main lobe pointed due west away from me at 50 miles. (SB-CA)
- 1050 CJNB SK North Battleford – 9/17 0717 – Saskatchewan’s Country CJNB. Poor, with others. (JJR-MI)
- 1060 CKMX AB Calgary – 9/14 0342-0356 – Fair, under KDUS, with various comedy sketches by male and female comedians with audience laughter noted. “Calgary’s Funny 10-60 AM” by female noted at 0356. 50 kW at 1,193 miles. Canada #1 from the SoCal desert! (SB-CA)
- 1070 KNX CA Los Angeles – 9/22 0740 – Ads for ‘Nursing Home Solutions 800-773-64XX’ and ‘Rush Tax Solutions’. Finally, at 0742: “Brian King, KNX 1070 News Radio. It’s 4:42” in report. Fair! Loud! Seems like I have a pipeline to California and the West Coast from here!! (JJR-MI)
- 1070 WFNI IN Indianapolis – 9/21 2210 – Poor, with Raiders vs. Saints football, many network ads, and “You’re listening to Monday Night Football on Westwood One”. (KMD-MN)
- 1070 KSKK MN Verndale – 08/21 – Playing Adult Contemporary oldies at 2340 when nulling CFAX and KNX, with antenna SE while waiting for WCSZ DX test, with some lightning. By 2356, the lightning was gone, but CKMX-1060 slop was suddenly an issue, with KNX running CBS Talk, CFAX Hockey play by play, and only the “bottom end” (bass) of what I assume was KSKK music. No sign of WCSZ up to 0010, but was getting an effect like an Open Carrier going on and off that may or may not have been caused by both Sangeans’ noise reduction feature. (JP-AB)
- 1070 KSKK MN Verndale – 9/17 1135 – Good, with news, ad for ‘Klein Insurance Agency’, IDs: “Michael Palmer with news on Double K”, “The Variety Station – The Arrow”, and “KSKK AM 1070 The Arrow”, then AC mix. (KMD-MN)



- 1080 KRLD TX Dallas – 9/14 0359-0401 – Good, with real estate agency commercial featuring Dave Ramsey. Full TOH ID noted: “The station North Texas counts on for news, traffic and weather, Newsradio 10-80, KRLD AM and KRLD-FM HD-2, Dallas – Fort Worth” by male. Followed by TOH ping into “CBS News on the hour.” 50 kW at 1,139 miles. (SB-CA)
- 1090 KNWS IA Waterloo – 9/14 0745 – Very brief sign-on, ‘Faith Radio’ slogan, with others. Poor. (JJR-MI)
- 1100 KNZZ CO Grand Junction – 9/23 0210-0229 – Poor, in the jumble with KFAX, KWWN and KFNN. KNZZ mention at tune in into Red Eye Radio segment, PSA for checking your brake lines, spot for Dr. Carlso orthopedics. “KNZZ dependable weather” by male noted at 0229. 10 kW nights at 568 miles. (SB-CA)
- 1100 WTAM OH Cleveland – 9/16 2050 – Good, with Indians vs Cubs game. Ads for ‘Sunnyside Chevrolet’, ‘Montgomery BBQ’ products, ‘EnergyHover’ (?) equals Clean energy for Ohio’, and ‘Medical Mutual Insurance’. ID: “1100, WTAM” at TOH. (KMD-MN)
- 1110 KAGV AK Big Lake – 9/17 0155-0201 – Fair-to-good, on top of KBND, with C2C. Piano interlude noted after religious program into “KAGV, 11-10, Alaska’s gospel choice, KAGV, Big Lake” by female into SRN News. //nstream. 10 kW at 1,440 miles. (SB-WA)
- 1110 KFAB NE Omaha – 9/23 0234-0240 – Fair-to-poor in KRDC Radio Disney Country’s null, with the end of Fox News report with story on the space station into “This is Nebraska’s news, weather, and traffic station, Newsradio 11-10 KFAB and JFAB an iHeart radio station”. 50 kW at 1,222 miles. (SB-CA)
- 1120 KZSJ CA San Martin – 9/23 0253 – Fair, with KANN nulled, with Vietnamese talk by male. Listed at 150 Watts nights at 364 miles. (SB-CA)
- 1120 KANN UT Roy – 9/23 0245-0302 – Fair-to-good, mixing a bit with KZSJ, with Contemporary Christian music with several mentions of “SOS Radio.” // stream. 1.1 kW nights at 556 miles. (SB-CA)
- 1130 CKWX BC Vancouver – 9/23 0152-0202 – Poor, way under partially nulled KSDO, with end of local weather report by male: “. . . on downtown Vancouver it’s 17° with “News 11-30 traffic” and mention of HOV lanes being closed. At TOH: “Your breaking news and weather station” noted. Canada #4 from the SoCal desert. 50 kW at 1,118 miles. (SB-CA)
- 1140 KSLD AK Soldotna – 9/17 0207-0210 – Fair, dueling with CHRB, with sports talk. Discussion of Big 10 football restarting and mention of PAC 12 as well by female reporter. // stream. 10 kW at 1,437 miles. (SB-WA)
- 1140 CHRB AB High River – 9/17 0210-0215 – Fair, over KSLD’s inspirational music, and the ID: “Southern Alberta’s Community Radio Station, AM 11-40” by male. // stream. 46 kW at 545 miles. (SB-WA)
- 1150 WEAQ WI Chippewa Falls – 9/25 0758 – Poor -- “95-9 Jamz” replaced “CJ-1150”, but with/o/WHBY. (JJR-WI)
- 1150 CJSL SK Estevan – 9/20 0726 – “Southeastern Saskatchewan’s Superstation – CJ 1150”. C&W music. First time this season. Very poor, under WHBY. (JJR-MI)
- 1170 KJNP AK North Pole – 9/17 0235-0245 – Fair, underneath KPUG’s ‘SportsCenter All Night’, with a steady stream of bluegrass music which was consistent with a check of their program schedule on the station’s website. 2 kW at 1,515 miles. (SB-WA)
- 1180 KOFI MT Kalispell – 9/17 0250-0300 – Poor, mixing with KLAY’s EWTN programming with C2C’s JFK assassination theory guest Mark Shaw. “104.3 FM, KOFI, Kalispell” ID by male at TOH. 10 kW at 469 miles. (SB-WA)
- 1190 CFSL SK Weyburn – 9/17 0707 – “AM 1190”, “Discover Weyburn”, C&W song followed by weather. Poor . . . no WOWO. (JJR-MI)
- 1210 KHKR UT Washington – 9/14 0900 – Poor, very close to my (and their) local sunrise, with “ESPN Radio” and “Sports Radio 97.7, St. George” mentions. No legal ID at TOH – just dead air – followed by ESPN sounder into NBA playoff news of the Lakers eliminating the Rockets. 231 Watts nights at 278 miles. (SB-CA)
- 1210 KHAT WY Laramie – 9/14 0156-0206 – Poor, under/mixing with KPRZ and KGYN, with country music mix. // stream. 1 kW nights at 785 miles. (SB-CA)
- 1220 KDDR ND Oakes – 9/25 0736 – Poor, with end of C&W song, jock with “KDDR, the Tornado” into song. Alone. (JJR-WI)
- 1220 CJRB MB Boissevain – 9/24 0726 – Poor, with crop plans for Manitoba, “Manitoba Farm Journal”, “CJRB Radio 1220”. Alone. (JJR-MI)
- 1220 CFAJ ON St. Catharines – 9/22 0647 – ‘Crackiln Rosie’ by Neil Diamond, calls and lost. Poor. (JJR-MI)

- 1230 KIFW AK Sitka – 9/17 0135-0145 – Good, with loud peaks. “KIFW, Sitka” by male at tune-in into Loverboy and Prince tunes. “12-30 AM, KIFW” with iHeart mention by male @ 0145. 1 kW @ 852 miles. (SB-WA)
- 1230 WKLK MN Cloquet – 8/19 0900 – Very poor, with LID and ABC News. Lost quickly to others. (JJR-MI)
- 1260 CFRN AB Edmonton – 9/17 0335 -0341 – Good, with ESPN’s ‘SportsCenter All Night’ and talk of Big Ten restarting with various reporter hits. // stream. 50 kW at 649 miles. (SB-WA)
- 1270 KNDI HI Honolulu – 9/19 0400 – Fair, with partial TOH ID: “. . . on KNDI, 12-70 AM by female into choral music. 5 kW at 2,580 miles – same tower as KKEA/KHKA/ KREA. (SB-WA)
- 1270 KFAN MN Rochester – 8/19 0842 – Poor, with weather at 0853, followed by ‘River Valley Sports/Rochester’. No usual WMKT. (JJR-MI)
- 1270 KBZZ NV Sparks – 9/13 0812 – Oldies music and “Oldies 92.5 FM” slogans, sometimes adding “. . . and 1270 AM” to the slogan. No ads or live programming in about 20 minutes of monitoring. No other ID heard. (JW-CO)
- 1270 KNWC SD Sioux Falls – 9/15 0713 – “Faith Radio Fall Share” beg-a-thon with 877 phone number. Poor, but all alone. (JJR-MI)
- 1270 WLIK TN Newport – 09/18 – Good signal. Broadcast of football game between Cocke County and David Crockett High at 2206. ID heard at 2208 followed by an ad for ‘Cocke County Farm Bureau’. (MN-TN)
- 1290 WIRL IL Peoria – 09/24 – St. Louis Cardinals baseball starting lineups @ 2012. ID @ 2014 . (MN-TN)
- 1290 WHIO OH Dayton – 09/24 – ID @ 2020 followed by commercial for ‘Copeland Roofing’ and PSA for ‘help with gambling addiction’. (MN-TN)
- 1320 KOZY MN Grand Rapids – 8/19 0859 – With calls and an oldie by Dave ‘Baby’ Cortez (flip of ‘Happy Organ’/1961). Poor, but over others. No WILS. (JJR-MI)
- 1330 KXXJ AK Juneau – 9/19 0352 – Poor, under KKPZ, with Ace Frehley’s ‘Back in the New York Groove’ and Boston’s ‘More Than a Feeling’. // stream. 3 kW at 903 miles. (SB-WA)
- 1330 CJYM SK Rosetown – 9/15 0711 – Song ‘Kyrie’ by Mr. Mister (‘85), “Classic Hits 1330 CJYM” liner. Poor, but alone. (JJR-MI)
- 1340 KXEQ NV Reno – 8/11 0130-0200 – Weak in mush. Popped in with Reno talk and then gone. (HO-ID)
- 1340 KJOX WA Kennewick – 8/21 0130-0230 – In-and-out, with lots of others on frequency. (HO-ID)
- 1350 WARF OH Akron – 9/14 0816 – Poor – “Fox Sports Radio 1350 – The Gambler” liner, traffic, weather, ‘Verizon’ ad. Poor, but atop. (JJR-MI)
- 1360 WKMI MI Kalamazoo – 9/13 0018 – Fair, with ID as “Talkradio 1360 WKMI”, then into PSA from the ‘Michigan High School Athletic Association’. MI #21 at this QTH. (RD-NE)
- 1360 KKMO WA Tacoma – 09/12 – Heard Ranchera music with “El Rey” male-voiced splitter at 0259:20 then Seattle ad by female in Spanish at 0300. Sounded like a second station playing Ranchera music at 0259, but was probably an automation issue at KKMO, i.e. – two songs played at once. Trying to null KKMO, and heard ‘60s Middle of the Road music occasionally to the SSE, strongest at 0101 with Frank Sinatra. Assuming KRKK. No sign of WNJC DX test. (JP-AB)
- 1360 KRKK WY Rock Springs – 9/11 2359 – Good, with legal ID: “. . . KRKK, Rock Springs, and online at 1360krkk.com”. WY #12 at this location. Didn’t hear the DX test from WNJC-1360 in New Jersey either of the first two nights that it aired, but WKMI and this were nice consolation prizes. (RD-NE)
- 1360 KRKK WY Rock Springs – 9/14 0132-0148 – Good, over KLSD, with ‘Love Me Tender’ by Elvis and ‘Mrs. Robinson’ by Simon & Garfunkel. “13-60, KRKK by male noted in between songs. At 2248, “Behind every great song there’s a great memory” by female followed by “13-60, KRKK” by male. // stream. Supposedly 1 kW nights at 667 miles. (SB-CA)
- 1380 WBEL IL South Beloit – 8/19 0828 – “92-3, 98-9” with mostly 90s tunes. Chatter with a live jock. Poor, no usual WOTE. (JJR-MI)
- 1390 KRRZ ND Minot – 8/19 0837 – “. . . the all new AM 1390 KRRZ”. ‘Heartbreaker’ by Pat Benetar. Poor, but alone. (JJR-MI)





- 1400 KART ID Jerome – 9/22 0849 – Ag-oriented ads, into C&W music at 0851 after a “94-7 Buck FM” slogan. Briefly fair in the mix. (JW-CO)
- 1400 KEYL MN Long Prairie – 9/17 1309 – Good with COVID-19 update, Funeral notices, Minnesota News Network news, PSA for ‘Support Minnesota Police.com’, ad for ‘Safebasement.com’, and “Minnesota Sports Report”. (KMD-MN)
- 1420 KSTN CA Stockton – 9/19 0850 – C&W tunes, “105-9 The Bull” slogans. Fair peaks but fadey. (JW-CO)
- 1420 KKEA HI Honolulu – 9/19 0341 – Poor, under KITI’s Classic Hits, with ESPN’s ‘SportsCenter All Night’ with college football conversation. // stream. 5 kW at 2,580 miles-same tower as KREA & KHKA. (SB-WA)
- 1440 CKJR AB Wetaskiwin – 9/19 0327 – Poor, with Eagles’ ‘Peaceful Easy Feeling’ into B.J. Thomas’ ‘Hooked on a Feeling’. // stream. 10 kW at 638 miles. (SB-WA)
- 1470 WMBD IL Peoria – 09/24 – ‘Dave Ramsey Show’ @ 2035. Ad break @ 2044, ID heard @ 2045 followed by ad for ‘Timeshare Exit Team’. (MN-KY)
- 1480 WDJO OH Cincinnati – 09/24 – Oldies music : ‘Twist & Shout’ by Chubby Checker @ 2346, followed by ID @ 2348, and “Cincinnati’s Oldies Network, WDJO” @ 2350. (MN-KY)
- 1490 KXRA MN Alexandria – 09/16 1440 – Good, with ‘Swap Shop’ program, ad for ‘Juettner Motors’, ID: “You’re listening to People Radio KXRA Alexandria” at TOH. (KMD-MN)
- 1490 WIGM WI Medford – 9/14 0837 – Poor, with Willie Nelson song and “. . . in the city of Medford, the holding tank . . .”, then lost. (JJR-MI)
- 1500 KHKA HI Honolulu – 9/19 0306 – Poor, mixing with KSTP, with beginning of Red Eye Radio segment, even though the website says CBS Sports! // stream. 5 kW at 2,580 miles – same tower as KREA. (SB-WA)
- 1540 KREA HI Honolulu – 9/19 0250-0301 – Korean music with a Korean-speaking male host. TOH ID: “This is KREA, 15-40 in the AM dial” by male. 5 kW at 2,580 miles. (SB-WA)
- 1540 KXEL IA Waterloo – 9/16 2100 – Poor, with Fox News. Slogan: “Where Iowa goes to Talk, 1540 KXEL” at 2104. (KMD-MN)
- 1550 KXEX CA Fresno – 9/20 0859 – Spot for a local finance company; LID at ToH: “From the Manchester Center Studio, this is the Central Valley’s home for ABC News – Talk Radio 1550 KXEX Fresno”. Fair, and briefly on top. (JW-CO)
- 1550 KRPI WA Ferndale – 9/18 0758 – Punjabi (I think) droning to quick ToH ID: “You’re listening to 1550 AM KRPI in Ferndale”, then right back to the Punjab guy. Signal came up right at ID time and was surprisingly good and on top. (JW-CO)
- 1560 KLNG IA Council Bluffs – 8/19 0829 – Poor, with end of REL show and calls. Lost to KBEW. (JJR-MI)
- 1560 KBEW MN Blue Earth – 8/19 0830 – Poor, with end of a song, lively DJ, calls, and newscast. No WTOU or WGLB. (JJR-MI)
- 1570 KUAU HI Haiku – 9/19 0232-0259 – Good, with strong peaks. Christian talk show at tune-in with guest comedian Chonda Pierce. ‘Sanctuary of Hope’ and ‘Embrace Place’ ads. Early TOH ID: “KUAU 15-70 Maui’s Christian Radio Station” by male. 15 kW at 2,553 miles. (SB-WA)
- 1620 KSMH CA West Sacramento – 9/22 0701 – “Glen Lewerenz with Relevant Radio News”. Very poor, trading with a weak KOZN. NEW! (JJR-MI)
- 1610 CHHA ON Toronto – 9/22 0330-0340 – Poor, with fair peaks, with Punjabi music and commentary by male host. Heard mention of “Toronto” after one of the songs. Schedule at station website denotes “Punjab Content” at this time. // stream. 6.25 kW at 2,089 miles. Canada #2 from the SoCal desert. (SB-CA)
- 1630 KRND WY Fox Farm – 0200-0300 – All Spanish. Weak, but audible. (HO-ID)
- 1640 KZLS OK Enid – 9/24 0644 – Very poor, with chatter behind a weak WSJP. “The Eagle”. (JJR-MI)
- 1640 KBJA UT Sandy – 9/22 0307-0314 – Poor, under nulled KDIA, with religious-oriented call-in talk program. Mentions of different Bible verses with male host. // stream. 1 kW nights at 538 miles. (SB-CA)

## MEMBERSHIP RENEWALS

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# Domestic DX Digest – East

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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

- BC-NH** **Bruce Conti, Nashua** – Excalibur SDR, variable termination 50 x 75-ft Super/Ewe antennas at 60° northeast and 180° south.
- HJH-PA** **Harry Hayes, Wilkes-Barre** – Grundig S350, ALA-1530 loop
- KK-VA** **Kraig Krist, Manassas** – Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop
- RL-NC** **Russell Lay, Nags Head** – GE SuperRadio 2, C Crane Skywave, DX-440
- PS-ON** **Paul Snider, London** – Elad FDM-S2, Wellbrook ALA 1530 LN loop, MFJ-1020C tuner
- JW-PA** **Jim Weber, Oyster Point** – Grundig S350, Sony ICF2010
- MKB-ON** **Mike Brooker, Toronto** – Grundig YB-400PE, XHDATA D-808, Sony SRF-39FP, C Crane Skywave, Panasonic RF-2200

Follow me on Twitter! [@patria1818](https://twitter.com/patria1818) DX-related tweets will be hash-tagged #MWDX.

Friend me on Facebook! [www.facebook.com/keval.mike](https://www.facebook.com/keval.mike)

View me on Instagram! **brookermike**

## DX TESTS

- 1360 WNJC NJ** **Washington Township** – 9/12 0010 – DX test noted with code IDs, sweep tones, telephone 'off hook' noises and other sounds way down in the mud below a talk station and another playing what sounded like religious music. No voice announcements made it through the QRM and local noise levels. **(RL-NC)**
- +++ - 9/20 0001 – DX test, 800 watts directional; Morse code through WDRC. 9/27 0001 – DX test, 1250 watts omnidirectional, over WKMI; Morse code. Voice ID at 0100, "You're listening to 1360 AM WNJC Washington Township..." and ascending wobbly tones of FT8 digital signal from 200 Hz up to 4 kHz. Couldn't get the WSJT FT8 software to decode in time for DDXD-East deadline due to virtual cable problems, a work in progress. **(BC-NH)**
- +++ - 9/27 0015 – DX test cutting through the jumble of UNID talkers with code IDs and various tones. **(MKB-ON)**

## LOGGINGS

- 970 WZAM MI** **Ishpeming** – 9/17 2158 – Tuned in to PSA, "You are listening to ESPN UP..." ID at 2159, ESPN promos, sports news, "You are listening to ESPN UP, Ishpeming" at 2203, Freddy & Fitzsimmons Show. Fair to very poor. **(PS-ON)** "UP" references Michigan's Upper Peninsula. Mike.
- 980 WDDO GA** **Perry** – 9/16 0459 – Fairly distinct call sign ID at this time following period of contemporary Gospel and Praise music. DC sports station WTEM nulled but still stealing the show. **(JW-PA)**
- 1040 WYSL NY** **Avon** – 9/19 0706 – Creaming WHO with "WYSL" jingle into Gun Owner's News Hour, which led off with a rant against wearing masks. **(MKB-ON)**
- 1150 WIMA OH** **Lima** – 9/22 0534 – Clear call sign ID at this time, with mention of iHeart Radio, in the midst of a bunch of stations. **(JW-PA)**
- WHBY WI** **Kimberly** – 9/25 2308 – Fair at times with others but no sign of CKOC. Numerous IDs heard during promos. Mention "Brewer's Radio Network". New. **(HJH-PA)**
- 1160 WCXI MI** **Fenton** – 9/26 1900 – Out of mush with "You're listening to Freedom 1160 WCXI Fenton-Detroit" ToH ID into Townhall news. Recent flip from oldies to right wing talk, as evidenced by slogan. **(MKB-ON)**
- WPIE NY** **Trumansburg** – 9/21 1904 – Battling WYLL-Chicago with Suzyn Waldman calling the action of Yankees v. Blue Jays game in Buffalo on the Yankees network. **(MKB-ON)**
- WYDU NC** **Red Springs** – 9/23 0506 – Local weather at this time followed by WEDU ID. Likely daytime power. **(JW-PA)**
- WCCS PA** **Homer City** – 9/23 0533 – Local news, several mentions of Homer City around the half hour. **(JW-PA)**



- WBYN PA **Lehighon** – 9/23 0506 – “WBYN” call sign ID , after the news, at this time. (JW-PA)
- 1230 WECK NY **Cheektowaga** – 9/15 2234 – “Buffalo’s Greatest Hits Right Here” WECK jingle then into song “Mama Said”. (HJH-PA)
- 1260 WDKN TN **Dickson** – 9/15 2224 – C&W music mixing with WSKO and WCCR, ID at 2235 by raspy voiced announcer “...101.1 The One and WDKN”, followed by female giving the weather with the same ID after, more C&W. Poor to very poor. Maybe day power? Definitely not 18 watts. // to Simple Radio stream. (PS-ON)
- 1350 WGPL VA **Portsmouth** – 9/16 1803 – Mixing with WOYK, preaching and other singing, "Joy 13-50 WGPL" ID. (KK-VA)
- 1360 WKMI MI **Kalamazoo** – 9/25 2100 – Over/under jumble; "WKMI Kalamazoo, a Townsquare Media station," and ABC news. (BC-NH)
- WYOS NY **Binghamton** – 9/26 1900 – Fair, over WHBG; "...now streaming online at 1360 Binghamton dot com," and CBS Sports Radio. (BC-NH)
- WCGX VA **Galax** – 9/16 1854 – In multi-station mix (WCHL, WMOB, WHBG, WSAI and WNJC) with "Rocking the Blue Ridge" slogan. (KK-VA)
- 1370 WQLL MD **Pikesville** – 9/16 1755 – In multi-station mix (WSHV, WHEE, WTAB, WXXI, WSPD, UNID Spanish singing and someone with Reds baseball game) with Black Information Network slogan: "The power of information. Baltimore's BIN 13-70." (KK-VA)
- WHEE VA **Martinsville** – 9/16 1929\* – In multi-station mix with sign-off announcement: "WHEE signs off at sunset each evening. With that it's time to conclude another broadcasting day. Serving much of William Henry county with 5,000 watts of... on the air at 1 thousand 3 hundred and seventy kiloHertz since 1964. Continue listening at WHEE.net and on many of your favorite streaming apps. We invite you to join us again tomorrow on the air. This is WHEE Martinsville Virginia." (KK-VA)
- 1380 WKJV NC **Asheville** – 9/16 1845 – Mixing with CKPC and several UNIDs (talk, sports talk, Spanish singing and what sounded like Chinese talk) with ID as "This is WKJV 'King's Radio'." (KK-VA)
- 1390 WFBL NY **Syracuse** – 9/16 2005 – In multi-station mix with classic rock, female "'The Dinosaur' on 94.1 95.3 and 103.9" slogan. (KK-VA)
- WSPO SC **Charleston** – 9/16 1900 – In multi-station mix (WZHF, WPLI, WFBL, UNID talker and a baseball game mentioning PA lottery) with "WSPO. Here's another hour... on 'Heaven 100.1'" ToH ID and FM slogan. (KK-VA)
- 1450 WENI NY **Corning** – 9/17 0000 – Barely heard ToH ID "WENY 1230 and...(WENI I assume) 1450", then lost. Very poor briefly. (PS-ON)
- 1590 WGGO NY **Salamanca** – 9/19 1930 – ID as “WGGO The Patriot”. Weather forecast with Colin Edwards. (HJH-PA) *Any time a station uses a slogan like “the Patriot” or “Freedom” you can be pretty sure the format is right wing talk. Mike.*

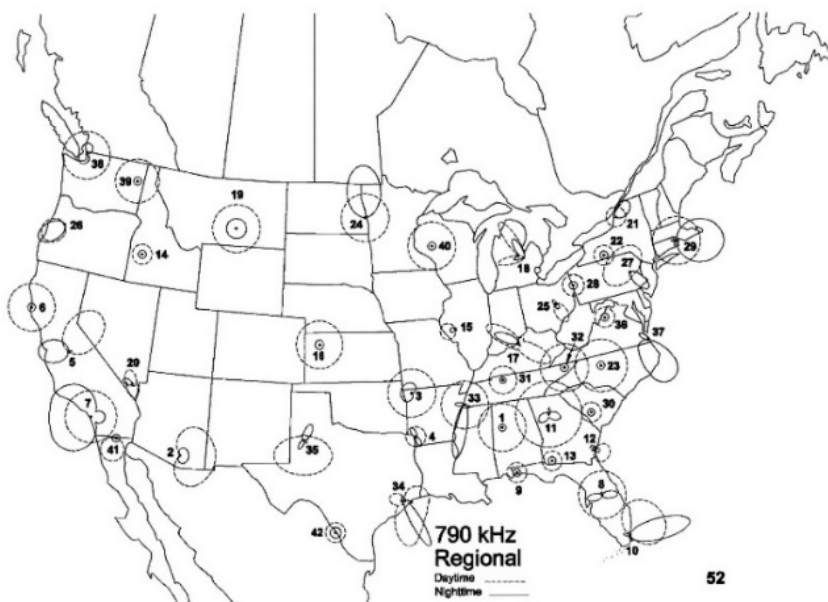


## NRC Antenna Pattern Book 8th Edition

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

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

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





# International DX Digest

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

All times are Universal Coordinated Time (UTC)

## TRANS-ATLANTIC DX

- 531 **ALGERIA** *Jil FM*, F'kirina Wilaya d'Oum El Bouaghi SEP 27 0458 – Fair; choral marching band national anthem parallel 549 kHz. [Conti-NH]
- 549 **ALGERIA** *Jil FM*, Sidi Hamadouche SEP 20 0458 – Good; choral marching band national anthem parallel 531 kHz. SEP 26 0558 – Good; choral marching band national anthem, time sounder with *Jil FM* ID. [Conti-NH]
- 558 **SPAIN** *RNE5 A Coruña//San Sebastián//Valencia* SEP 20 0200 – Over/under unID (Iran?); servicios informativos. [Conti-NH]
- 576 **ALGERIA** *R.Algérienne*, Béchar SEP 26 2345 – Fair; Koran parallel 1422 kHz. [Conti-NH]
- 585 **SPAIN** *RNE1* Madrid SEP 26 0200 – Good; time marker and check, "Son las 4, las 3 Canarias," and servicios informativos, parallel 603, 639, etc. [Conti-NH]
- 666 **PORTUGAL** *RDP Antena 1* synchros SEP 26 0000 – Poor; distinctive time marker into news. [Conti-NH]
- 693 **UNITED KINGDOM** *BBC Radio 5*, Droitwich et al. SEP 19 0100 – Fair; "You're listening to BBC local radio together with BBC Radio Five Live" into BBC news at 2 o'clock. [Conti-NH]
- 702 **ALGERIA** *R.Algérienne*, Laghouat SEP 20 0200 – Good; presumed this with Koran through the hour. [Conti-NH]
- 774 **SPAIN** *RNE1* synchros SEP 27 0500 – Good, s7-9; servicios informativos parallel 639, 747, 855 kHz. [Conti-NH]
- 783 **SYRIA** *Syrian Radio/R.Damascus*, Tartus SEP 26 0258 – Fair; typical Mideast string orchestra with female vocal through the hour. [Conti-NH]
- 837 **IRAN** *IRIB R.Isfahan*, Habibabad SEP 19 0058 – Fair; Koranic recitations and vocals. [Conti-NH]
- 855 **ROMANIA** *R.România Actualitati*, Tâncabesti SEP 20 0159 – Over/under Spain; choral national anthem. [Conti-NH]
- 864 **EGYPT** *ERTU Santah* SEP 25 2300 – Fair; time marker and brief announcement into Koran. [Conti-NH]
- 882 unID SEP 19 2359 – Under *BBC R.Wales*; 1 kHz test tones, continued through the hour. Mauno Ritola in the RealDX group reported, "I have the test tone switching on and off even after 0000 and I think I hear TWR Sri Lanka starting programming at 23.59.30." So the test tones weren't from Sri Lanka. [Conti-NH]
- 954 **TURKEY** *TRT Trabzon* SEP 20 0258 – Fair; interval signal and choral national anthem. [Conti-NH]
- 999 **SPAIN** *COPE* Madrid SEP 26 2300 – Good; "...Cope, estar informado," and "Ultima hora en Cope, estar informado," parallel 837 kHz. [Conti-NH]
- 1089 **UNITED KINGDOM** *TalkSport* synchros SEP 19 0200 – Good; canned ID into news from the Sky News Centre. [Conti-NH]
- 1125 **IRAN** *IRIB R.Qazvin*, Qazvin SEP 20 0100 – In pile up with Spain; identified by offset measured at 1124.944/5 kHz. Offset unID's also observed at 1124.954/5 and 1124.974 kHz, with *RNE* Spain at 1125.000 kHz. [Conti-NH]
- 1152 **ROMANIA** *R.România Actualitati*, Cluj SEP 19 0158 – Fair, over Spain; choral national anthem. [Conti-NH]
- 1188 **IRAN** *IRIB R.Payam*, Tehran SEP 19 0200 – Fair; announcement by woman over pleasant music bed, ascending signature sounder, then the woman continued. [Conti-NH]
- 1215 **UNITED KINGDOM** *Absolute Radio* synchros SEP 19 0100 – Good; *Absolute Radio* sounder into ad string, "Get your insurance done today, start comparing with Mustard dot co dot UK." [Conti-NH]
- 1332 **IRAN** *R.Tehran*, Tehran SEP 19 0159 – Good, over unID; distinctive Koranic recitations. [Conti-NH]
- 1386 **LITHUANIA** *R.Baltic Waves*, Viesintos SEP 20 0400 -Fair; "Radio Poland" ID. [Conti-NH]
- 1413 **MOLDOVA** *Vesti FM*, Grigoriopol SEP 20 0100 – Fair; touchtone sounder to news in Russian. [Conti-NH]
- 1422 **ALGERIA** *R.Algérienne*, Algiers SEP 19 0501 – Fair; Le Journal intro, parallel weaker 576 kHz. [Conti-NH]

- 1512 **SAUDI ARABIA** *SBA Al-Quran*, Jeddah SEP 26 0258 – Solid s9 open carrier; off at 0301 UTC. [Conti-NH]
- 1548 **UNITED KINGDOM** *Gold*, London SEP 19 0100 – Fair to good, over Kuwait; canned ID, "On digital radio... playing the greatest hits of all time," jingle, "This is Gold," and "News." [Conti-NH]
- 1629 **GREECE** *Devil Thessaloniki* SEP 19 0559 – Poor; presumed this, sounded like traditional Greek music. Maybe the same as reported in the Hauser carrier search. [Conti-NH]

*Transatlantic carrier search:* SEP 20 0601 – Starting downward from 846 which must be the lone TP, from Kiritimati, then upward, so here not in the order heard: 531, 549, 558(2), 576, 612\*, 621(2), 639(2), 657, 666, 747, 774(2), 801, 837\*, 846, 855(2), 891, 936, 1089, 1098(2), 1125(2), 1134(2), 1179, 1215(2), 1224, 1305(2), 1503, 1629\*\*\*, 1710(2 – domestic). \* = strongest; (2) at least two carriers beating, at a wide variety of pitches or SAH rates, but obvious when tuned 1 kHz below on USB. I'm surprised that no one else seems to do this. \*\*\*The 1629 carrier is especially intriguing; usually I don't even bother to continue 9-kHz scans across the x-band for TA's, as WRTH stops at 1611; but there are countless Europirates beyond its scope, and presumably low-powered. For example, Roberto Pavanello, Italy recently logged "1629 14/9 22.10 R.Toulouse – Dutch MX suff." In British DX Club Communication, Axel Röse in Neuss, Germany had a couple of daytime logs in August on 1629 of "Z[ender?] Monza, D," I guess meaning Dutch land or Dutch language rather than German. SEP 25 0614 – Now productive even after 0600 UTC as with autumning, western Eurafrica remains pre-sunrise; 531(2), 549, 558(2), 585, 603\*, 612, 621, 639(2), 684\*, 747, 774(2), 837(2), 846(TP), 855(2), 873 882, 891, 936(2), 954, 999, 1044, 1098, 1107, 1116(2), 1125, 1152(2), 1179, 1305(2), 1413, 1710(2 – domestic). SEP 26 0628 – 621, 684, 711, 747, 837, 936, 1188 kHz. 1188 is interesting, normally with nothing. Per WRTH nothing but superpowers in Hungary and Iran; and Down Under, no more than 2 kW from Australia. No TP carrier from 846, however. Otherwise correlate with lower latitude NW Africa and Spain only, with K index of 5. SEP 27 0557-0604 – 549, 558, 576, 603(2), 612\*, 621, 639(2), 657, 684\*(2), 693, 747, 774(2), 792, 801, 837, 846(TP), 855(2), 927, 936(2), 999, 1044, 1098, 1125(2), 1134, 1143, 1152, 1179, 1305(2), 1710(domestic). (2)= at least two beating; \* = strongest, guessing about those: 612 Morocco 300 kW; 684 Spain 600 kW, and slightly off-frequency-minus compared to e.g. 693 carrier. [Hauser-OK]

#### PAN-AMERICAN DX

- 570 **MEXICO** XEOA *La Mexicana*, Oaxaca, Oax. SEP 7 1100 – Still here after a few months of not noticing, coming in daily now, almost five-minute-long choral kids anthem unabridged, ending about 1105 most days since, ID. But fades down rapidly. Almost seems like a sign-on, though maybe just a power-up. Who knows with Mexican radio? [Krueger-FL]
- 580 **CUBA** *R.Rebelde*, Mabujabo SEP 7 1006 – Faded up briefly over XELRDA with ID, newscast by man and woman. [Krueger-FL]
- 580 **MEXICO** XELRDA *La Rancherita del Aire*, Piedras Negras, Coah. SEP 7 0954 – Spanish ballad, "Seis de la mañana... Noticiero Rancherita" into news summary, back to Mexi-tunes from 1010 UTC. [Krueger-FL]
- 600 **MEXICO** unID SEP 13 1124 – Corridos squeaking through with *R.Rebelde* and domestics overtaking, quickly lost. [Krueger-FL]
- 620 **MEXICO** XENK México, DF SEP 5 1108 – "So Far Away" by Carol King into Gloria Gaynor's "I Will Survive." Rooster crow between most songs. Parallel Streema feed. Excellent. [Krueger-FL]
- 640 **MEXICO** XENQ Tulacingo, Hgo. SEP 5 1103 – Man with canned "XENQ... Hidalgo... wats..." Kiddie choral anthem from 1104, rooster crow, "En la tierra... Hidalgo... ranchero." Excellent. [Krueger-FL]
- 650 **MEXICO** XETNT *Radio 65*, Los Mochis, Sin. SEP 20 1202 – Full ID/sign-on? Touting 200-meter tower, presumably for FM, and how it exploits Hertzian waves. LSR now 1218, so still audible at 1222, hymn in Spanish with tuba oompahs, rather than newscast since it's Sunday. Other XE signals still audible on 640, 700, 710, and 730 kHz. [Hauser-OK]
- 730 **MEXICO** XEHB Hidalgo del Parral, Chih. SEP 20 1221 – Parral mentioned in some kind of promotion, probably already on 50 kW day power. [Hauser-OK]

#### TRANS-PACIFIC DX

- 774 **JAPAN** JOUB, NHK2, Akita SEP 15 1156 – Signal was fair and steady (strongest yet at my location). Woman with announcements in Japanese language. Reception was with antenna aimed towards Europe. Hopefully travel requirements will settle down so that I can DX more! [Beu-TX]
- 846 **KIRIBATI** *R.Kiribati*, London, Christmas Island SEP 24 1145 – Unfortunately awake I reluctantly make a quick check for transpacific carriers on the DX-398, finding only: a trace on 846 kHz, Kiritimati? Usually heard around 0600, but now in darkness several Pacific

Asians could also propagate, up to 250 kW from Taiwan. It's really too weak to DF. Walt Salmaniw, Victoria BC, said Kiribati was inbooming there as early as 0515 today, which is post-sunset at station, but no modulation to be heard. [Hauser-OK]

1019 **TONGA** A3Z Nuku'alofa SEP 19 0804 – Good with stronger peaks. Male host reading news in Tongan. Noted local ads with music bed in Tongan with female. Switched back to male host who switched to English to read government-sponsored announcements – from Ministry of Fishers explaining where fishing is permitted, and another regarding roads and traffic noting that driving while playing loud music is prohibited, among other things. 10 kW at 5,670 miles. [Battaglino-WA]

1098 **MARSHALL ISLANDS** V7AB Majuro SEP 19 0819 – Very poor but readable. Man speaking in local language either preaching or perhaps giving a speech. Very distinctive tone to his voice which was easily matched to their webstream. 10 kW (or is it 25 kw?) at 4,672 miles. [Battaglino-WA]

### CONTRIBUTORS

Mike Beu KD5DSQ, Austin TX; Drake R8B, terminated Delta antenna (17-ft apex and 28-ft base) northeast, mini-Flag antenna (7 by 15-ft) southeast.

Stephanie Battaglino, Grayland WA; Online KiwiSDR, 160-ft DKaz antenna at 295°.

Bruce Conti WPC1CAT, Nashua NH; WiNRADiO Excalibur, variable termination Super/Ewe antennas 15 x 23-m at 60° northeast and 180° south.

Glenn Hauser, Enid OK; NRD-545 with ALA-330S or north/south not very long wire, DX-398 or PL-880 with internal antenna only, sometimes IC-R75 with ~100-ft east/west long wire.

Terry L. Krueger, Niceville FL; IC-R75, NRD-535, ICF-7600GR, active loop, random wire.

73 and Good DX!

# Musings of the Members

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

## Wayne Heinen – Aurora CO

There was another impromptu DX Test from WNJC-1360 Washington Twnshp PA on Sunday morning 9/27. Duke Hamann KC2DUX tried a rather unique twist. He ran a normal test between 0000 and 0100 and then one hour starting at 0100 using an amateur radio digital modulation FT8, part of the WSJT-X product written by Joe Taylor K1JT. This digital mode software decodes and holds the decoded text so that the message can be viewed later. If you want to learn more about WSJT-X you can visit <https://physics.princeton.edu/pulsar/K1JT/wsjt.html>. Quite a few people reported on the [nrc-am] list that they were able to decode his "CQ WNJC FM29" message. Once again unfortunately, my pests KRKK and KSCJ were too loud. Duke will be conducting DX tests through October so look for more information elsewhere in this issue. I have been posting these impromptu tests to all those who subscribe to e-DXN.com and our list [nrc-am], [nrc-am@googlegroups.com](mailto:nrc-am@googlegroups.com) as well. If you want to join the NRC's googlegroup mailer simply email [sales@nationalradioclub.org](mailto:sales@nationalradioclub.org) and ask to have your email address added!

I started my new log for the 2020-2021 season and I'm at 158 logged so far. All are re logs except one on 9/3 XEPRS-1090 "Southern California Sports on the Mightier 1090" all EE SPT programing atop the frequency using my west oriented flag antenna. It turned out I had never logged this one under any call sign before. Till next time 73

## New at [www.nationalradioclub.org](http://www.nationalradioclub.org)

James Niven has completed his indexes of the DDXD and IDXD columns from DX News Volume 88. These are downloadable Excel spreadsheets that are available for your use. Just look under "The NRC Archives" menu tab. We want to thank James for these fine references that he creates.

Recently Ken Chatterton discovered a box that contained Ernie Cooper's FM verification collection! He passed these to John Herkimer, who prepped and scanned them and they are now available for viewing look under the "QSL's" menu tab. Our thanks to Ken and John for helping us preserve this piece of DX history.

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



# Pro Sports Networks

Barry Finkel, 10314 S. Oakley, Chicago IL 60643-2409, [bsfinkel@att.net](mailto:bsfinkel@att.net)

NFL lists continued from last issue:

**Miami Dolphins 2020 (EE)** \*Jimmy Cefalo, Bob Griese, Joe Rose, Kim Bokamper

<https://www.miamidolphins.com/fans/broadcast> (9/6/2020) graphical image

560	<u>WQAM-FL</u>	1590	WPSL-FL	96.1	WRXK-FM-FL	106.3	WUUB-FL
580	WDBO-FL	1600	WKWF-FL	99.9	<u>WKIS-FL</u>		

**Miami Dolphins 2020 (SS)** Roly Martin, Eduardo Martell

<https://www.miamidolphins.com/fans/broadcast> (9/6/2020) graphical image

760	WEFL-FL	1140	<u>WQBA-FL</u>
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**Minnesota Vikings 2020** Paul Allen, Pete Bercich, Greg Coleman, Ben Leber

<https://www.vikings.com/audio/radio-network> (9/9/2020)

550	KFYR-ND	1250	KBRF-MN	1490	KOVC-ND	100.7	KIKV-FM-MN
570	WNAX-SD		KCUE-MN	1600	KDAK-ND		KMLO-SD
650	WNMT-MN	1260	KROX-MN			100.9	WCMP-FM-MN
660	KEYZ-ND	1270	KFAN-MN	92.5	KKWQ-MN	101.1	WHSM-FM-WI
730	KWOA-MN	1310	KGLB-MN	93.3	KBLB-MN	101.7	KRCH-MN
740	KNFL-ND	1340	KDLM-MN	94.1	KXLP-MN	101.9	KRWK-ND
880	WMEQ-WI		KRBT-MN	94.3	KKIN-FM-MN	102.9	KBWS-FM-SD
930	KSDN-SD		KWLM-MN	94.9	KQDS-FM-MN	104.1	KSDM-MN
1130	KTLK-MN	1380	KLIZ-MN	95.7	KKOK-FM-MN		KBOT-MN
1170	KFOW-MN		KHWK-MN	96.1	KQPR-MN	105.1	KARL-MN
1190	WBHA-MN	1390	KXSS-MN	96.9	KMFY-MN	105.7	KUXX-MN
1230	KFSP-MN		KRRZ-ND	98.1	KBEW-FM-MN	105.9	KKWS-MN
	KTRF-MN	1440	KKXL-ND	98.3	KQYB-MN	106.3	KPHR-MN
	KWSN-SD	1450	KBUN-MN	99.1	WKFX-WI	106.9	KARP-FM-MN
1240	WJON-MN		WELY-MN	100.3	<u>KFXN-FM-MN</u>	107.3	KNUJ-FM-MN
	KDLR-ND	1460	KLTC-ND				

**New England Patriots 2020** Bob Socci, Scott Zolak

<https://www.patriots.com/audio/game-broadcast-info> (9/9/2020) DO NOT REPRODUCE.

**New Orleans Saints 2020 (EE)** Zach Strief, Deuce McAllister, Steve Geller, Bobby Hebert, Kristian Garic

**New Orleans Saints 2020 (SS)** \*Mario Jerez, Juan Carlos Ramos, Victor Quiñónez

<https://www.neworleanssaints.com/news/broadcasting> (9/6/2020)

540	KMLB-LA	1400	WFDM-FL	95.3	KQKI-FM-LA	100.7	WDMS-MS
620	WJDX-MS	1470	KLCL-LA	96.5	WXHB-MS	102.1	WALT-FM-MS
790	WPNN-FL	1490	KJIN-LA	96.9	KZMZ-LA	102.7	KWLT-AR
830	<u>KGLA-LA</u> S			97.3	KMDL-LA	103.7	W279CY-FL
870	<u>WWL-LA</u>	92.1	KLIL-LA	97.5	<u>K248BB-LA</u> S	104.9	WCJU-FM-MS
910	WMOG-MS	92.5	KVPI-FM-LA	98.1	WDGL-LA	105.1	WJDX-FM-MS
920	WBOX-LA	92.9	WBOX-FM-LA		WMXI-MS	105.3	<u>WWL-FM-LA</u>
1290	KKRC-LA	94.1	KRLQ-LA		KTAL-FM-TX	105.5	WNSP-AL x
1420	KPEL-LA	94.7	W234DH-LA S	98.3	WJDR-MS	106.9	WRBE-FM-MS
	WQBC-MS	95.1	WQNZ-MS	99.5	KNGT-LA	107.7	WAZA-MS

**New York Giants 2020 (EE)** Bob Papa, Carl Banks, Howard Cross

**New York Giants 2020 (SS)** \*Nestor Rosario, Francis Adames

<https://www.giants.com/broadcastinfo> (9/10/2020)

DO NOT REPRODUCE.

**New York Jets 2020 (EE)** Bob Wischusen, Marty Lyons, Larry Hardesty

**New York Jets 2020 (SS)** \*Clemson Smith-Muniz, Oscar Benitez

<https://www.newyorkjets.com/tune-in/radio-information> (9/6/2020)

92.7	<u>WQBU-FM-NY</u> S	98.7	<u>WEPN-FM-NY</u>	104.5	WTMM-FM-NY	105.7	WCHR-FM-NJ
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**Philadelphia Eagles 2020 (EE)** Merrill Reese, Mike Quick

**Philadelphia Eagles 2020 (SS)**

<https://www.gotknowhow.com/articles/listen-to-philadelphia-eagles-games-and-stream-live-online-radio> (8/30/2019) I have not yet found a 2020 network list.

**Pittsburgh Steelers 2020** Bill Hillgrove, Tunch Ilkin, Craig Wolfey, Missi Matthews

<https://www.steelers.com/audio/steelers-radio-network/> (9/6/2020)

Also via Grupo Imagen in Mexico.

590	WMBS-PA G	1450	WDAD-PA	92.9	W225CK-PA	102.1	WIFT-PA
630	WJAW-WV		WQWK-PA	94.3	WQCM-PA	102.5	<u>WDVE-PA</u>
670	WLUI-PA		WJPA-PA G		WRQI-PA	103.7	WCXR-PA
680	WISR-PA	1460	WMBA-PA		WRLF-WV G	104.3	WNAE-PA
740	WRNR-WV C	1480	WCNS-PA	95.1	WYLE-PA	104.9	WRKY-FM-PA
800	WCHA-PA	1490	WESB-PA G	99.1	WRKW-PA		WRKT-PA
	WVHU-WV		WNTJ-PA	99.3	WZXR-PA	106.1	WRQE-MD
970	<u>WBGG-PA</u>		WLPA-PA	100.1	WDMX-WV	106.5	W293AM-WV
990	WNTI-PA	1540	WECZ-PA	100.3	W262CU-PA	107.1	WRXZ-SC
1160	WCCS-PA			100.9	WVLY-FM-PA	107.5	WBVE-PA
1230	WBVP-PA	92.1	WOHF-OH		W265DI-PA		WEGW-WV
1390	WNIO-OH	92.3	WXCR-WV	101.3	WROZ-PA	107.7	WRQW-PA
1410	WHAG-MD	92.7	WCCR-FM-PA		WKFT-PA		
1430	WTNA-PA		WONN-FM-PA				

**San Francisco 49ers 2020 (EE)** Greg Papa, Tim Ryan

**San Francisco 49ers 2020 (SS)** Carlos Ramirez, Jesus Zarate

<https://www.49ers.com/fans/tv-radio> (9/6/2020) from a map

630	KPLY-NV	940	KFIG-CA D	1490	KRKC-CA L	95.7	KBOY-FM-OR
670	KPUA-HI	1110	KAOI-HI U	1500	KHKA-HI L	96.1	KKXS-CA L
	KMZQ-NV B	1320	KIFM-CA			102.3	KRHQ-CA
680	<u>KNBR-CA L</u>	1400	KKJL-CA	93.3	KJDX-CA	107.7	<u>KSAN-CA</u>
810	<u>KGO-CA</u>	1460	KION-CA				

**Seattle Seahawks 2020** Steve Raible, Dave Wyman

<https://www.seahawks.com/gameday/broadcasting/radio/> (9/12/2020)

This list appears to be the same as last year's list.

560	KPQ-WA	1230	KIFW-AK	94.5	KHTQ-ID	100.9	K265AX-WA
580	KTMT-OR y	1240	KOFE-ID		KMON-HD4-MT	101.3	K267CT-WA
610	KONA-WA		KTIX-OR		K233CJ-WA	101.7	K269FX-WA
660	KAPS-WA		KXLE-WA		KATS-WA	102.1	KTMB-AK
670	KBOI-ID	1280	KIT-WA	95.3	KKBC-FM-OR		K271AH-WA
700	KBYR-AK	1400	KEDO-WA		KUJZ-OR	102.3	KCRX-FM-OR
710	<u>KIRO-WA</u>	1420	KUJ-WA	95.7	KLTW-FM-OR	102.9	K275BS-MT
800	KINY-AK	1430	KCLK-WA	95.9	KHnk-MT	103.1	K276GF-OR
840	KMAX-WA	1440	KODL-OR	96.7	KBDB-FM-WA		K276BY-WA
920	KSRM-AK	1450	KLAM-AK	96.9	KYYO-WA		K276CT-WA
930	KTKN-AK	1470	KBSN-WA	97.3	<u>KIRO-FM-WA</u>	103.3	K277CZ-WA
990	KIKI-HI	1580	KGAL-OR	97.5	K248AI-AK	103.5	K278GE-AK
1030	KMAS-WA			97.9	K250BW-WA	103.9	K280GG-MT
1040	CKST-BC	92.1	KCRK-FM-WA	98.5	KEYG-FM-WA	104.3	KMNT-WA
1070	CFAX-BC	92.3	KGON-OR	98.7	K254BA-AK	104.7	KDUX-FM-WA
1080	KFXX-OR	92.7	KNCW-WA	99.1	K256AC-OR	105.9	KRJT-OR
1150	CKFR-BC	93.5	KOZI-FM-WA	100.5	K263BT-OR	107.3	K297BZ-WA
1170	KPUG-WA						

**Tampa Bay Buccaneers 2020 (EE)** Gary Deckerhoff, Dave Moore, T. J. Rives

**Tampa Bay Buccaneers 2020 (SS)** Martin Gramatica

<https://www.buccaneers.com/fans/listen> (9/11/2020) graphical image

740	WYGM-FL	92.3	W222CI-FL	96.9	W245CL-FL	99.3	WWCN-FL
1430	WLKF-FL	95.3	WXCV-FL	97.9	<u>WXTB-FL</u>	103.9	W280DK-FL
1450	WWJB-FL	96.7	W244BJ-FL		WTSM-FL		
	WSTU-FL						

**Tennessee Titans 2020** Mike Keith, Dave McGinnis, Rhett Bryan, Jonathan Hutton, Amie Wells, Mark Howard <https://www.tennesseetitans.com/on-the-air/titans-radio-affiliates> (9/10/2020)

540	WKFN-TN	1280	WMCP-TN	93.5	W228DG-TN	103.1	WIKQ-TN
640	WXSM-TN J	1290	WCBL-KY	94.3	WJMM-FM-TN	103.9	W280BA-AL J
680	WMFS-TN	1320	WMSR-TN	94.5	WJOX-FM-AL J	104.1	WCLE-FM-TN
730	WUMP-AL J	1340	WCDT-TN J	95.9	WRJB-TN		W281BT-TN
770	WVNN-AL	1400	WIEL-KY	96.5	W243CU-KY J	104.5	<u>WGFX-TN</u> J
790	WMC-TN	1420	WVJS-KY	96.7	WNKX-FM-TN	105.3	WPTQ-KY
860	WSON-KY J		WKSR-TN	97.7	WREF-KY	105.5	WYTM-FM-TN
950	WAKM-TN	1490	WCOR-TN	98.7	WOKI-TN	105.7	W289BQ-TN
1050	WWIC-AL	1560	WPAD-KY	98.9	WANT-TN		WQAK-TN
1060	WQMV-TN			99.5	W258AN-KY	106.1	W291C-KY
1150	WGOW-TN	92.5	WVNN-FM-AL	100.9	W265AQ-TN	106.5	WKDZ-FM-KY
1220	WFWL-TN	92.9	W225CL-KY	102.3	WZDQ-TN	106.9	WKXD-FM-TN
1230	WAKI-TN J		WMFS-FM-TN		WGOW-FM-TN	107.3	WQLT-FM-AL

**Washington Football Team 2020** Bram Weinstein, DeAngelo Hall, Julie Donaldson <https://www.washingtonfootball.com/news/radio-network> (9/10/2020)

550	WSVA-VA	960	WFIR-VA		99.5	W258DC-VA	
580	WLVA-VA A	970	WKCY-VA	92.1	W221CF-VA	101.1	W266DC-NC
630	<u>WSBN-DC</u>	980	<u>WTEM-DC</u>	93.5	W228AM-MD	102.1	W271CX-DE
740	WRNR-WV C	1050	WBRG-VA	94.9	WKHI-MD	104.5	W283DA-VA
850	WTAR-VA	1270	WCBC-MD	95.9	WGRQ-VA	105.5	WRAR-FM-VA
900	WKDW-VA	1450	WTHU-MD	96.5	W243DJ-VA	105.9	<u>WMAL-FM-VA</u>
930	WNCL-DE		WGNC-NC	99.1	WXGM-FM-VA	106.5	W293AM-WV C
950	WXGI-VA R	1490	WWNB-NC	99.3	WFQX-VA	107.3	W297BC-VA

**Westwood One NFL 2020** various announcer teams

<https://westwoodonesports.com/stations/all-states/2020-primetime-nfl/> (9/11/2020)

NOTE: Because of local blackouts and/or programming conflicts, not every affiliate can air every Westwood One Sports broadcast.

560	WIND-IL		WMEQ-WI P	1170	KCBQ-CA		WTPS-VA
	WHBQ-TN	900	KKRT-WA		KBOB-IA		WTON-VA
570	WMAM-WI	920	WYMB-SC Q	1200	WTLA-NY K		KFBC-WY I
580	KTMT-OR y		WMMN-WV		WOAI-TX H		KASL-WY I
	WKTY-WI F	930	WDLX-NC	1210	KGYN-OK O	1250	WGHB-NC
590	WMBS-PA G	950	WORD-SC		WPHT-PA	1260	KROX-MN P
	KLBJ-TX		KWAT-SD		KOKK-SD		WRIE-PA X
600	KROD-TX H		WXGI-VA R		KHKR-UT V		KKSA-TX
610	KCSR-NE I		KJR-WA	1220	WSLM-IN	1270	WXYT-MI
	KNML-NM	960	KLTF-MN		KGIR-MO		KFAN-MN
630	WEJL-PA		WEAV-NY		WZBK-NH	1280	KXTK-CA V
640	WXSM-TN J	980	KNTR-AZ M	1230	KXO-CA		KWSX-CA V
660	WFAN-NY K	1000	WIOO-PA		KPRL-CA V		WPKZ-MA Y
670	WSCR-IL	1010	KXPS-CA		WBZT-FL		KYRO-MO O
680	KNBR-CA L		KSIR-CO I		WJBC-IL	1290	KCUB-AZ
690	WJOX-AL	1020	KWIQ-WA		WCMD-MD W		KPAY-CA
	KOLT-NE	1030	KMAS-WA y		KTRF-MN P	1300	KCSF-CO
730	WUMP-AL J	1050	KTCT-CA		KWNO-MN		WAVZ-CT
	WMNA-VA		WTKA-MI T		WSSO-MS		WLXG-KY
740	WMSP-AL		KMIS-MO		WTSV-NH		WJYP-WV Z
	KNFL-ND	1060	WRHL-IL N		WEEX-PA K	1310	WHEP-AL
760	KTKR-TX H	1070	KSKK-MN		WAKI-TN J		KFKA-CO
780	KAZM-AZ M		WTSO-WI		WXCO-WI		KYUL-KS
	WBBM-IL N	1100	KWWN-NV r	1240	KIUL-KS		KNOX-ND
790	KFGO-ND	1110	KAOI-HI U		KFH-KS		WGH-VA
800	WLAD-CT	1130	WBBR-NY		WJON-MN P	1320	KCLI-OK
860	WSON-KY J	1140	KSLD-AK		KLIK-MO		WTKZ-PA K
870	WTIM-IL		KHTK-CA V		KSAM-MT		WVGM-VA
	KPRM-MN		KNAB-CO I		WBBW-OH	1330	WFIN-OH
	KAAN-MO O	1150	WDEL-DE		WIOV-PA		WYRD-SC
880	WCBS-NY	1160	WPIE-NY		KCCR-SD	1340	WSBM-AL



	KTMM-CO	1500	KHKA-HI L		KITO-FM-OK	101.5	K268DF-NE
	WJRW-MI T		WPMB-IL		K241CA-OR		WRAL-NC
	WAGN-MI		KPGM-OK	96.3	K242AY-MN	101.7	WDEL-FM-NJ
	KDLM-MN P	1510	WJOT-IN	96.5	W243CU-KY J	101.9	WFAN-FM-NYK
	KYLT-MT	1520	KMSR-ND	96.7	K244AG-HI	102.1	W271AT-MD W
	WENT-NY	1550	KICS-NE		WLLF-PA	102.7	K274DA-CA
	WKGX-TN		KYAL-OK	96.9	K245BQ-KS		K274CY-MT
	WCDT-TN J	1560	KEBC-OK M		WLAV-FM-MI T	103.1	K276BG-NV
	WMON-WV Z	1570	KAKK-MN	97.1	WXYT-FM-MI		W276BH-TN
	KYCN-WY I	1580	KQFN-AZ V		WBNS-FM-OH	103.5	K278BP-MN
1350	KTIC-ID	1590	KPRT-MO		KYAL-FM-OK	103.7	KABZ-AR
1360	KFIV-CA		KGAS-TX m	97.3	KWFN-CA		K279CF-TX
	WMOV-WV	1620	KOZN-NE		WRNW-WI	103.9	W280BA-AL J
	WVRQ-WI	1650	KCNZ-IA	97.5	K248CY-KS		KMIS-FM-MO
1370	WGCL-IN t	1700	KBGG-IA O		K248CZ-WY		K280DS-NV
1380	KTKZ-CA			97.7	WAVK-FL		W280ED-NC
	WELE-FL	87.7	WPGF-LD-TN		WREF-KY	104.1	W281AU-NH
	WKJG-IN t	92.1	KQSM-FM-AR		K249FB-NM	104.3	W282AR-GA u
	KHWK-MN		WZZR-FL		W249BC-NY K		KGAS-FM-TX H
	KKRX-OK		KRWR-TX	97.9	WUCS-CT	104.5	KNBR-FM-CA
	WLIN-PA	92.3	WKRK-FM-OHv		WTSM-FL z		WNXX-LA
1390	WKLP-WV W	92.5	W223AX-AL		WSLM-FM-IN t		WTMM-FM-NY
1400	KTUC-AZ	92.7	KASR-AR O	98.1	WOBX-FM-NC		WGFX-TN J
	WSEG-GA u		K224AA-MT	98.3	K252GC-ND	104.7	W284BI-IL
	KVOE-KS		K224DT-WY	98.5	W253CK-PA	104.9	K285FW-CA
	KFRU-MO	92.9	WEZQ-ME Y		K253CE-TX		KNXX-LA
	KVSF-NM	93.1	KTIC-FM-ID	98.7	K254CS-HI	105.1	W286CD-NY
	WBIZ-WI		K226CA-MN		KNSS-FM-KS O		WALV-FM-TN
	WDUZ-WI		WWSR-OH v		K254CM-MN	105.3	W287BT-MA Y
1410	WPOP-CT K	93.3	W227BG-VA	99.1	WDCH-FM-MD	105.5	WNSP-AL x
1420	KKEA-HI r	93.5	WEEY-NH	99.3	W257CZ-MI		K288DA-CO
	WBSM-MA Y		W228DJ-WV	99.5	WTKW-NY		WYKT-IL
	KRLL-MO O	93.7	WSTW-DE	99.9	W260BM-MD W		KMAV-FM-ND
	WACK-NY X		KDKA-FM-PA		W260BW-NJ Q	105.9	WCFS-FM-IL N
1430	WNAV-MD W	93.9	WYTK-AL		WODE-FM-PA		WJOT-FM-IN t
	WENE-NY K	94.1	W231DJ-CT		WXKC-PA	106.1	KNFO-CO I
	WBEV-WI		KKLN-MN	100.1	W261AC-NY K	106.3	W282EG-WI
1440	WGO-NY K		WIP-FM-PA		WEJL-FM-PA	106.5	W293AB-NH
	WGLD-PA		WVSP-FM-VA		WWFN-FM-SCQ		WTOD-OH T
1450	KVEN-CA	94.3	K232EI-AZ	100.3	KFXN-FM-MN	106.7	WJFK-FM-VA
	WASK-IN t		K232ED-WA	100.5	WJQX-AL		W294AF-WV Z
	KGRZ-MT		WRLF-WV G		WSJD-IN	107.1	W296CP-NY
	WNOS-NC		WQPC-WI F		K263BR-MN		W296DH-NY
	WJPA-PA G	94.5	WJOX-FM-AL J	100.7	KSHQ-MO	107.3	KLPW-FM-MO
1460	KXPB-NE		KMON-FM-MT	100.9	W265EB-CT		W297BW-WI
	WBNS-OH	94.7	K234CQ-MN		W265CY-IN	107.5	K298AT-CO
1470	KGND-OK	95.1	WAIO-NY		K265EZ-NV r		W298CD-IL
	KWRD-TX	95.5	WPPI-ME		W265CV-WI		KNSG-MN
1480	KLMS-NE		KWEY-FM-OK	101.1	K266CE-CO		WNKT-SC
	WEEO-PA	95.7	K239BG-ND		WXOS-IL		WDUZ-FM-WI
1490	KRKC-CA L	95.9	WPEI-ME		WZPN-IL	107.7	KBPY-NE
	KTOP-KS	96.1	KKXS-CA L		KEOJ-KS		KRXO-FM-OK
	WBBL-MI T		W241CD-IN		W266DB-PA	107.9	K300BG-ND
	WESB-PA G		WIVG-MS	101.3	WCPV-NY Y		

\* Announcers from a previous season

a The Cardinals' list has "KDDL/KQNA 94.3 FM Prescott Valley". KQNA is 1130.

b The Cardinals' list has "KWRK/KCAZ 96.1 FM Window Rock". KCAZ is 99.5 simulcast.

c RESERVED

d RESERVED

e The Ravens' list has "XTRA | 106.1 FM Pokomoke City, MD". The call letters are WXSH.

f The Ravens' list has "Louisville, KY The Ville | 93.9 FM". The call letters are WLCL.

- g Pre- and post-game shows only (not the actual game)
- h The 49ers' Spanish-language broadcast will be via 49ers.com
- i Game only (not the pre- nor post-game shows)
- j Game day simulcast
- k The Las Vegas Raiders' stations in Los Angeles, Oakland, and San Francisco are To-Be-Determined.
- l The Patriots' list has "WASR\*\*", but there is no "\*\*\*" footnote on the page.
- m Houston Texans and Westwood One NFL
- n Dallas Cowboys and Houston Texans
- o Dallas Cowboys (SS) and Houston Texans
- p Houston Texans and Dallas Cowboys
- q Los Angeles Rams (SS) and Las Vegas Raiders (SS)
- r Los Angeles Rams and Westwood One NFL
- s Selected games only
- t Indianapolis Colts and Westwood One NFL
- u Atlanta Falcons and Westwood One NFL
- v Cleveland Browns and Westwood One NFL
- w New York Jets and Westwood One NFL
- x New Orleans Saints and Westwood One NFL
- y Seattle Seahawks and Westwood One NFL
- z Tampa Bay Buccaneers and Westwood One NFL
- A Carolina Panthers and Washington Football Team
- B Denver Broncos and San Francisco 49ers
- C Washington Football Team and Pittsburgh Steelers
- D Las Vegas Raiders and San Francisco 49ers
- E Atlanta Falcons and Jacksonville Jaguars
- F Green Bay Packers and Westwood One NFL
- G Pittsburgh Steelers and Westwood One NFL
- H Dallas Cowboys and Westwood One NFL
- I Denver Broncos and Westwood One NFL
- J Tennessee Titans and Westwood One NFL
- K New York Giants and Westwood One NFL
- L San Francisco 49ers and Westwood One NFL
- M Arizona Cardinals and Westwood One NFL
- N Chicago Bears and Westwood One NFL
- O Kansas City Chiefs and Westwood One NFL
- P Minnesota Vikings and Westwood One NFL
- Q Carolina Panthers and Westwood One NFL
- R Washington Football Team and Westwood One NFL
- S Spanish Language
- T Detroit Lions and Westwood One NFL
- U Las Vegas Raiders and San Francisco 49ers and Westwood One NFL
- V Las Vegas Raiders and Westwood One NFL
- W Baltimore Ravens and Westwood One NFL
- X Buffalo Bills and Westwood One NFL
- Y New England Patriots and Westwood One NFL
- Z Cincinnati Bengals and Westwood One NFL

## Detroit, Atlanta, Carrollton

# One Hundred Years of Radio Broadcasting History

By Kenneth D. MacHarg

August 20 marked the 100th anniversary of radio broadcasting. On that date in 1920, *The Detroit News* put radio station 8MK on the air. The call letters were changed to WBL in October with a limited commercial license, then to WWJ in March of 1922.

There are those who will assert that, in fact, WWJ was not the first broadcaster on the air. They will point to radio station KDKA in Pittsburgh, Pennsylvania which bills itself as the "Pioneer Broadcasting Station of the World." It traces its beginning, initially using the temporarily assigned "special amateur" call sign of 8ZZ, to its broadcast of the [1920 Harding-Cox](#) presidential election results on the evening of November 2.

While historians debate the question, natives of Detroit and Pittsburgh will each passionately argue that their station was, indeed, the first (and probably the best). Both stations can uniquely claim several firsts, but there is a distinction between the two which might more accurately affect how one views the issue.

WWJ was the first commercial station in the world to broadcast *daily* programs, commencing with that initial transmission on August 20. There is little doubt about that assertion. Certainly, there were other experimental stations which had previously broadcast occasional programming content (as opposed to two-way communications) including music, some news and other features several years before WWJ took to the air. In comparison, KDKA reports that it was the first commercial broadcaster, being fully licensed as a commercial station when it started up. WWJ was not licensed until later even though it had provided daily service since its August sign-on. Also, WWJ operated under three different call letters, but was, in fact, on regularly since the August 20 sign-on.

It appears that while the station was established and funded by the newspaper and located in the paper's building, the original amateur license was issued to Howard Bowman of Detroit. Bowman was an employee of *The Detroit News*. That arrangement apparently continued until October 13 when the newspaper took over the license.

Thus, the distinction between the two was in the difference in licensing in that WWJ's original status was under an amateur license to an individual while KDKA's was as licensed to the broadcast entity from the start, albeit with a "special amateur" status.

To the listeners, the point was probably unknown and unimportant. Both were broadcasting stations offering programming to the general public and each making history in those early days of radio.

WWJ initially broadcast between 7 and 8 p.m., and programming consisted primarily of phonograph records interspersed with announcements. Early airings included fight results from the heavyweight championship bout between Jack Dempsey and Billy Miske on September 6 and a play-by-play account of the Cleveland Indians-Brooklyn Dodgers game in the World Series. Weekly vocal concerts were begun in September with Mabel Norton Ayers as the first featured artist.

By October, *The Detroit News* reported that "hundreds" of Detroiters had wireless receiving sets on which they could hear the news and other features sent out by "The News Radiophone." WWJ also broadcast the results of the presidential election in November.

Initially, WWJ did not pay performers but attracted numerous personalities to appear on the air including Lillian Gish, Fanny Brice, Babe Ruth and Ty Cobb. The station is believed to have been the first to broadcast news reports regularly and the first to also carry religious services and play-by-play sports.

The WBL call sign was randomly assigned but the newspaper soon found that listeners had difficulty hearing it correctly. The regional Radio Inspector was asked to change it to something more phonetically distinct, such as WKL or WWW. However, since neither was available it was assigned WWJ on March 3, 1922.

In 1923, *The Detroit News* complained that it was forced to cut back some of its hours to a competitor, the *Detroit Free Press*, which had established its own station WCX (now WJR) on the same frequency.

In an interesting side note: while WWJ and KDKA have vied for recognition as the "world's first radio station" (as WWJ used to promote itself on the air in the 1940s and 1950s), radio station KCBS in San Francisco also claims the title of "first" by tracing its history to a pre-World War One station operated by Charles "Doc" Herrold in San Jose, California. The station made test transmissions in 1909 and began broadcasting weekly concerts in 1912. Herrold's San Jose broadcasts were suspended during World War One when the U.S. government prohibited the operation of civilian radio stations, and after the war ended he did not return to the airwaves until 1921.

### *Closer to home:*

Initially the first broadcast radio stations were established in northern cities such as Detroit, New York City, St. Louis, Cincinnati and others. But it wasn't long until a new venture in Georgia led to the first southern station.

On March 15, 1922, the Atlanta Journal licensed the first commercial radio station in the south under the call letters WSB. The "Voice of the South," as it was called, broadcast from the fifth floor of the Journal building on two frequencies – one for entertainment, and the other for news and market information. It was the 27th radio station in the United States to take to the air. Before the station started the Journal published instructions on how to build crystal-set receivers.

The station went on the air with two 90-foot wooden masts supporting a crude antenna on the roof of the newspaper building and a power of just 100 watts. Initially, the programming consisted of local talent singing or playing an instrument. It was said that anybody who wanted to get on the air simply had to provide their own program and could have any time they desired. Anyone who could "sing, whistle, play a musical instrument, talk or even breathe heavily" appeared on the air according to



one of the earliest performers. While unusual by today's standards, radio then was such a novelty that listeners enjoyed almost anything.

Not to be outdone, the then-rival Atlanta Constitution newspaper launched its own radio station, WGM, on March 17 of the same year. Although this broadcaster gained some national notoriety, it was shut down by its owner on July 29, 1923 after just over a year of operation. The equipment was donated to the Georgia School of Technology (Georgia Tech) where it was used by the school's electrical engineering program in early 1924 to set up radio station WBBF which was later known for decades as WGST. Today it operates as WGKA.

In the early days, most stations did not have regular programming schedules, often broadcasting for fewer than 8 hours a day. The "invisible audience" of listeners could tune in for a mix of news, music, and commentary from the announcers. As three more stations began in the next two years, that "invisible audience" expanded. Radio came to Middle Georgia when Mercer University founded WMAZ (Macon) in 1922, primarily hosting sermons and speeches by divinity students. That same year, WPAX (Thomasville) began playing phonographs from the owner's garage by holding a microphone close to a Victrola.

From the early 1920s until the late 1940s, West Georgia radio listeners had to tune in to the early Atlanta stations or, at night to one of the many 50,000 watt, clear channel powerhouses that could be heard across the country including WSM in Nashville, WHAS in Louisville, WLW in Cincinnati or even more distant stations such as WGN in Chicago, WJR in Detroit or WWL in New Orleans.

But then, WLBB in Carrollton went on the air in 1947. According to 2013 article about the station in the West Georgia Living magazine, a publication of the Times-Georgian, the call letters didn't mean anything, but "listeners who tuned in to the station's twangy, homespun music programs started the joke that the letters stood for "We Love Butter Beans."

The station originally broadcast from the People's Bank building on Adamson Square (now known as the West Georgia Technical College headquarters) using a 250 watt army surplus transmitter. As with the earliest stations, the bulk of the programming featured musicians who would go to the studios and perform live.

Ken Denney, who wrote the story, reported that "in addition to "Uncle" John Patterson, there were groups with such names as "Charles Cole and His Southern Kinfolks," the "Radio Homefolks," the "Georgia Playboys" and "Joe Tyson and His Farmhands." All made regular appearances on the station, sometimes attracting a live audience which watched them from behind a plate glass window."

Evidently at the beginning there were no national network programs. Everything was produced locally. And, Denny said, "for the local musicians, it was strictly pay-to-play; they had to pay WLBB for blocks of air time, usually 15 minutes. Most musicians found sponsors or passed the hat among their neighbors; for some, that got easier over time as radio exposure made them local stars."

Later, a popular DJ named Bob Green managed WLBB and kept one foot planted in country music's Top 40 present and the other in the station's hillbilly past. Until the station changed owners and management in 1963, Green not only spun the latest discs but hosted several live music programs as well. In addition to up-and-coming local country singers like Clyde Durrough and Marshall and Pearl Hannah, Green provided an outlet for older, more traditional performers such as Alton Stitcher and Uncle John Patterson, the "Banjo King."

Today, the station is owned by Steve Graddick of Bowdon who operates it along with several other AM and FM stations in the area. Over the years the station had operated under various call letters, including WBTR and WPPI. Graddick returned the original call letters in 2001.

For us, it is sufficient to say that the impact of broadcast media, whether radio or television or online podcasts or whatever have brought us together, informed, inspired and, indeed, divided us as a people. But, the efforts of the founders and broadcasters since the 1920s have certainly made us better informed and entertained.

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Kenneth D. MacHarg is a Carrollton resident and the author of *Radio Survives and Thrives, The History of Kentucky Broadcasting from 1945-1970* (available on [Amazon](#)).

# August 2020 Rockwork Ocean Cliff DXpedition

Thrilling South Pacific Longwave and Medium Wave DX

By Gary DeBock, Puyallup WA, USA September 2020 (via Phil Bytheway)

The Pandemic couldn't stop our 10th annual Rockwork Cliff DXpedition as Tom Rothlisberger and I once again pushed our DU-DXing luck for all it was worth on the plunging ocean cliff on Highway 101, two miles north of Manzanita, Oregon. At the notorious cliff the transoceanic DX propagation turned completely around from what we typically endure at our inland west coast locations, without a single Asian station even showing up for 9 days. To replace them several South Pacific stations from Fiji, Tonga, New Zealand and Australia pounded in at legendary levels, along with many more Longwave and MW stations from south of the Equator. Highlights for me included the Ultralight radio reception of 7 trans-equatorial Longwave NDB's (including 25 watt and 50 watt NZ beacons), the apparent best signals from 558-Radio Fiji One ever received on the west coast, and solid reception of 558-6WA from Western Australia (9,153 miles/14,736 km) on a new 8 inch (20cm) FSL antenna. This was one of three such new models specifically constructed for this trip—successfully replacing the huge "monster FSL" antennas with a much more convenient design (with both sizes shown in the photo above).



The Rockwork Cliff is a pretty unique DXing environment with awesome ocean scenery 500 feet (150m) directly above the salt water, noisy 18-wheel traffic, unpredictable weather and a typical collection of "interlopers" (a.k.a. squatters) taking up much of the available antenna space. Despite the challenges the Cliff always seems to reward DXers with special DU propagation, and this year's results were especially thrilling.

Overall the South Pacific Longwave results during this trip were far and away my best results ever, with both the 25 watt 362-WK and the 50 watt 366-SF providing decent signals on the 12" Longwave FSL over 11,000 km of ocean from New Zealand. 327-VYI from Maui, Hawaii was also new for me from Rockwork, and the S9+ signal from 320-AI in the Cook Islands was breathtaking (although not new). It was especially enjoyable to share the exceptional South Pacific NDB-DXing propagation with Tom on the 8<sup>th</sup>, and track down 366-SF from a list of Tom's 2019 Pacific NDB results hurriedly uploaded to my phone. Like I've shared with others, chasing long range Trans-Equatorial NDB's with a modified \$50 pocket radio and a 12 inch (30cm) Longwave FSL antenna on a plunging ocean cliff is so much fun that it seems like it should be illegal!



**Longwave NDB – DXing Results (South Pacific, Alaska, Hawaii)** – All received with a 7.5" Longwave loopstick Tecsun PL-380 Ultralight + 12" Longwave FSL antenna.

Click on the date and time to hear a recording of each logging.

- 209 **ALASKA** CYT, Yakataga, [AUG 12 1213](#) – 1000 watts, S9+.
- 233 **ALASKA** ALJ, Johnstone Point Island, [AUG 12 1205](#) – 1000 watts, S9+.
- 238 **NEW ZEALAND** KT, Kaitaia, [AUG 13 1311](#) – 1100 watts, about S5; usually the first Kiwi beacon to show up during good propagation.
- 245 **ALASKA** HNS Haines, [AUG 12 1212](#) – 250 watts, about S7.
- 266 **ALASKA** ICK, Annette Island, [AUG 12 1211](#) – S9+, mixing with SLE.
- 277 **ALASKA** ACE, Homer, [AUG 12 1158](#) – Semi-rare beacon had no problem managing full S9 strength.
- 283 **ALASKA** DUT, Dutch Harbor, [AUG 12 1208](#) – Sounding a little wimpy (S4).
- 320 **COOK ISLANDS** AI, Aitutaki, [AUG 13 1307](#) – Freakishly strong S9+ signal during exceptional conditions; this was the strongest South Pacific beacon overall, although it often had a bizarre CW tone.
- 327 **HAWAII** VYI Kahului, Maui, [AUG 13 1317](#) – About S5; first time heard on the Ultralight + FSL at Rockwork.



- 332 HAWAII POA, Pahoia, [AUG 13 1207](#) – A daily S9+ blaster almost every morning.
- 346 NEW ZEALAND TG, Tauranga, [AUG 13 1315](#) – About S3; a tough but regular Kiwi catch during good conditions.
- 352 COOK ISLANDS RG, Rarotonga, [AUG 13 1310](#) – Usually in the shadow of Hawaiian pest 352-LLD, but strong at this time.
- 353 HAWAII LLD, Lanai, [AUG 13 1310](#) – 2000 watts; the strongest blaster from the Pacific every morning.
- 362 NEW ZEALAND WK, Whakatane, [AUG 13 1315](#) – 25 watts; amazing flea-power reception across 6,846 miles (11,017 km), and the best catch of the DXpedition. At peak strength it managed around S3 at this time. But reception wasn't easy, and it took a 3 minute live DXing marathon to finally make sure of the call letters on the [last day](#) at the noisy cliff (with 18-wheelers thundering by).
- 366 MICRONESIA PNI, Pohnpei, [AUG 9 1212](#) – This beacon would often start out a session at S9, then fizzle. It was at S7 strength at this time, a South Pacific session with Tom that seemed to fizzle out early.
- 366 NEW ZEALAND SF, Springfield, [AUG 8 1312](#) – First received at S5 level during this excellent session with Tom. It made a return appearance on AUG 13, but at somewhat weaker strength. This was another New Zealand beacon bordering on science fiction, received with an Ultralight and 12" FSL antenna at 6,822 miles (10,977 km).
- 385 ALASKA OCC, Yakutat, [AUG 12 1204](#) – S9+ at this time, became a pest on AUG 13.
- 390 ALASKA HBT, Sand Point, [AUG 13 1303](#) – S7 signal (as a pest) when FSL was directed at NZ.
- 395 ALASKA RWO, Kodiak, [AUG 12 1202](#) – S9+.



**MW DXing Results** – All received with 7.5 inch loopstick CC Skywave and XHDATA D-808 portables + 8 inch FSL antennas; signals received at an S9 level are identified with **bold underlined** frequency. Click on date and time for a recording.

- 531 AUSTRALIA 2PM, Kempsey, 5 kW, [AUG 10 1331](#) – Call-in talk during the Super Network's Graeme Gilbert show with a female caller named "Blossom" saying "Hi and good evening, Graeme" at 10 seconds. This station was usually covered up by the two Kiwi co-channels.
- 531** NEW ZEALAND More FM, Alexandra, [AUG 8 1251](#) – This obscure Kiwi rocker is extremely rare DX away from the cliff, but with a Longwave propagation boost at this time, it definitely gets your full attention. Female-voiced ID is at 16 seconds, "More FM, hanging out, all night." [AUG 10 1259](#) – Top of the hour routine (with ID at 32 seconds) near S9 level. [AUG 13 1253](#) – With a female-voiced ID at 3 seconds, the obscure rocker got another Longwave boost, once again pounding in at S9.
- 531** NEW ZEALAND PI, Auckland, 5 kW, [AUG 13 1309](#) – Another low band Kiwi station enjoying a Longwave boost, the female Samoan speech from the Pacific Island language station tests a portable's crunch resistance.
- 531 UnID 4KZ? [AUG 10 1324](#) – Playing old country music from 1982 (TG Sheppard's "War is Hell on the Home Front")/ The format doesn't match either Kiwi station, or seem to match 2PM or other Oz stations.
- 558 AUSTRALIA 6WA, Wagin, 50 kW, [AUG 9 1330](#) – At 9,153 miles (14,736 km), this was the most distant DX received during the trip. The ABC "Nightlife" program at this time features the female host Indira Naidoo interviewing a lady named Karen concerning the gold mine riots in New South Wales in 1861. The phrase "November of 1860" is spoken by the interviewee Karen at :03 in this radio recording. The same "November of 1860" phrase is spoken by Karen at :03 in the matching ABC Podcast segment posted [here](#). The full four-hour podcast is posted (very temporarily) on the ABC web site [here](#).
- 558** FIJI R. Fiji One, Suva, 10 kW, [AUG 5 1312](#) – Fijian island music pounds in with a native language ID at 6 seconds, "Radio Fiji One, Na Domoiviti." Overall signals during this trip were the best I've ever heard from this popular island DX station, and apparently the best ever heard during any west coast DXpedition. [AUG 5 1316](#) – More island music and a native language chant at a similar huge level. [AUG 6 1326](#) – Male vocal music once again has no problem holding down the frequency. [AUG 13 1311](#) – Island choral music and native language chants reaching an S9 level. And [here](#) with island choral music and ID at 29 seconds, "Radio Fiji One, Na Domiviti."
- 567 NEW ZEALAND R. New Zealand, Wellington, 50 kW, [AUG 10 1323](#) – Very good strength (though minor splatter) with male announcer introducing a female-hosted BBC program.



- 576 **AUSTRALIA** 2RN, Sydney, 50 kW, [AUG 15 1325](#) – Female speech at very good strength // 585, but this big gun was rarely as strong as its Tasmanian parallel.
- 576 **NEW ZEALAND** Star, Hamilton, 2.5 kW, [AUG 13 1318](#) – The “Dwarf Star” managed a weak appearance mixing with 2RN with instrumental music // 657, but that was its only showing during the entire trip.
- 585** **AUSTRALIA** 7RN, Hobart, 10 kW, [AUG 6 1327](#) – Once again this Tasmanian RN network relay tapped into the cliff's Kiwi propagation pipeline during most of the sessions, here with female speech //792 during an ABC program.
- 585 **AUSTRALIA** unID, [AUG 9 1306](#) – Long set instrumental music over and under 7RN; although no ID, the format fits 2WEB in Bourke, a regular during previous DXpeditions.
- 594 **AUSTRALIA** 3WV, Horsham, 50 kW, [AUG 11 1332](#) – Very good strength with male speech // 702.
- 594 **NEW ZEALAND** Star, Timaru/Wanganui, 5/2 kW, [AUG 11 1318](#) – Christian music at good strength // 657; although lower powered than the Oz big gun 3WV, it often held the propagation edge.
- 603 **AUSTRALIA** 2RN, Nowra, 10 kW, [AUG 9 1307](#) – For some wacky reason this Australian interloper // 792 was constantly shoving the Kiwi regular (Maori music format Radio Waatea // 765) completely off of the frequency for much of the trip. Radio Waatea rarely managed anything more than an S5 signal, indicating possible antenna issues.
- 603 **NEW ZEALAND** R. Waatea, Auckland, 5 kW, [AUG 5 1309](#) – A Kiwi underperformer for much of the trip, the Maori network flagship station managed a brief moment of strength with Maori vocal music and native language chant.
- 657 **AUSTRALIA** 2BY, Byrock, 10 kW, [AUG 13 1258](#) – Male speech // 702 temporarily dominant over Star’s female Christian music; it was a pesky co-channel during that session, but it was only received on this one day.
- 657** **NEW ZEALAND** Star, Wellington/Tauranga, 50/10 kW, [AUG 13 1303](#) – The Star Star network's flagship frequency occasionally became a jumbled mess around August 11th as synchronization problems between the two transmitters created intermittent echo and reverb effects. A relatively normal S9 signal could be heard when there was only one transmitter received, such as at this time. [AUG 11 1302](#) – At other times, you could be subjected to the full "echo effect," such as at this time. [AUG 13 1259](#) – Another variation here was the “reverb effect,” with a slight programming delay between the two transmitters. [AUG 13 1306](#) – Despite the synch issues, the station was often one of the strongest DU’s on the band, and its Christian music could blast in at blowtorch levels.
- 675 **NEW ZEALAND** R. New Zealand, Christchurch, 10 kW – Usually this relay had decent signals but was plastered by splatter. After I waited too long for a clear signal the trip was over without any recording.
- 702 **AUSTRALIA** 2BL Sydney, 50 kW, [AUG 9 1312](#) – The Oz big gun finally played the part at the "Kiwi Cliff" during this trip as its Auckland, NZ co-channel seemed to run out of Magic. This signal was typical.
- 702 **NEW ZEALAND** Magic, Auckland, 10 kW, [AUG 9 1312](#) – It was a lackluster week under 2BL for the Magic network’s flagship station, with only a modest Beatles’ recording showing up under the Oz big gun at this time.
- 756 **NEW ZEALAND** R. New Zealand, Auckland, 10 kW, [AUG 11 1303](#) – Female speech // 567 at good level. Considering that the 50 kW station 750-Portland is only 70 miles (112 km) and 6 kHz away, the cliff’s reduction of this backside splatter was very impressive.
- 765** **NEW ZEALAND** R. Kahungunu, Napier-Hastings, 2.5 kW, [AUG 9 1235](#) – A real blaster for its power level, this Maori language music format station had none of the wimpy issues of its 603-Waatea parallel. Here it was pounding in as usual with Maori choral music.
- 774** **AUSTRALIA** 3LO, Melbourne, 50 kW, [AUG 12 1317](#) – This Oz big gun held down the frequency very well over its Kiwi co-channel, with this male conversation at a typical S9 level (through Seattle splatter).
- 774 **NEW ZEALAND** Gold, New Plymouth, 5 kW, [AUG 12 1326](#) – Roxy Music’s “Love is the Drug” (//1503) temporarily edges out 3LO and the Seattle splatter.
- 792 **AUSTRALIA** 4RN, Brisbane, 25 kW, [AUG 9 1325](#) – This was the strongest Oz RN network station, and a convenient signal for parallel checks (585, 603 etc.). Despite various attempts the Kiwi Gold co-channel never was received. Female speech on 4RN was near an S9 level at this time.
- 936 **AUSTRALIA** 4PB, Brisbane, 10 kW, [AUG 9 1315](#) – News-oriented station typically had the edge over the 1 kW Kiwi co-channel such as here, but there could be some huge frequency fights (as in the next log).

- 936** **NEW ZEALAND** Chinese Voice, Auckland, 1 kW, [AUG 13 1314](#) – The overachieving Kiwi ethnic station blasts in at S9+ here, only to get blitzed by the Australian interloper 4PB (also S9), causing a royal mess.
- 1008** **NEW ZEALAND** Newstalk ZB, Tauranga, 10 kW – This station (and its 1035 Wellington parallel) typically had fairly good signals but was hit hard by splatter. Unfortunately, attempts to find a clear signal for recording purposes failed right up until the end of the trip.
- 1017** **AUSTRALIA** 2KY, Sydney, 5 kW, [AUG 6 1321](#) – On certain days this horse racing station would give Tonga fits, but on most days it failed to get out of the gate. This was its strongest appearance, with horse racing odds (according to Theo D.) [AUG 6 1318](#) – A typical horse race recap, all alone during a Tonga fade. [AUG 5 1253](#) – A typical horse race with the Tonga co-channel competition.
- 1017** **TONGA** A3Z, Nuku'alofa, 10 kW, [AUG 7 1313](#) – With island choral music blasting in. Overall this was the strongest DU station on the band, with blowtorch S9+ signals typical from 1230-1330 daily. [AUG 7 1317](#) – More typical island choral music at the usual level. [AUG ? 1320](#) – A group of native children overload the ancient microphone with their singing; the male voice at the end of the recording is the usual (deep-voiced) Tongan male announcer. [AUG 5 1253](#) – The usual Tongan female announcer was in a mix with the Australian horse racing station 2KY.
- 1017** **UnID-DU** [AUG 5 1248](#) – Female speech over A3Z with no apparent connection to horse racing – possibly Newstalk ZB?
- 1107** **NEW ZEALAND** Magic Talk, Tauranga/Rotorua, 5 KW, [AUG 5 1255](#) – A female caller and the male talk show host pound in at monster strength.
- 1503** **NEW ZEALAND** Gold, Wellington/Christchurch, 5/2.5 kW, [AUG 9 1315](#) – The replacement for the old Radio Sports network (a victim of the Pandemic), this rocking oldies network typically plays more upbeat music than its Magic (702-738-891 kHz) competition. Here with the typical ID was given, "All the greatest hits... Gold." [AUG 6 1305](#) – Sometimes there is just a promo instead of an ID, "All the greatest hits." [AUG 9 1313](#) – Gold can really pound in on this frequency, such as here with this ELO music.
- 1503** **UnID-Oz** [AUG 9 1315](#) – Female voice under the Gold ID and music, but not enough signal for any identity clues.

#### *Additional resources:*

[Video](#) of the August 2020 Rockwork DXpedition.

DXpedition partner Tom Rothlisberger's [SDR-DXing report](#) (from August 7-10).

Google Maps [satellite view](#) of the Rockwork DXpedition site.



## IRCA Publications Available

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

Click on this link: [https://www.ircaonline.org/editor\\_upload/File/2020\\_IRCA\\_Slogans.pdf](https://www.ircaonline.org/editor_upload/File/2020_IRCA_Slogans.pdf)

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

Click here: [https://www.ircaonline.org/editor\\_upload/File/2020-21\\_IRCA\\_Mexican\\_Log.pdf](https://www.ircaonline.org/editor_upload/File/2020-21_IRCA_Mexican_Log.pdf)

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

The link is: [http://www.ircaonline.org/editor\\_upload/File/TIS\\_2020.pdf](http://www.ircaonline.org/editor_upload/File/TIS_2020.pdf)

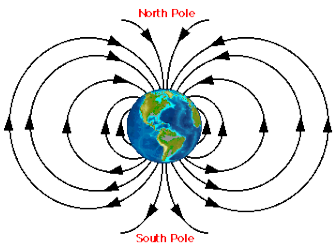
# Unreported Domestic Stations

Nine(!) new stations were reported to DDXD this issue for the first time since at least Volume 67 (1999-2000): KBRW-680, KOTZ-720, KINY-800, KSDP-830, KAGV-1110, KSLD-1140, KNDI-1270, KXXJ-1330, and KUA-1570. Grayland is not just for international DX! This leaves only 284 full-power AM stations in the United States and Canada that have not been reported to DDXD during this time. Here is the full current list:

550	KNUI-HI		WOMN-LA		WMLC-MS		WCYN-KY
560	CBDN-YT		KTTP-LA		KIIK-MO		WBIP-MS
570	CKWL-BC		WYMW-WV		WMIZ-NJ		WFOR-MS
580	WLVA-VA	1120	WHOG-AL	1280	WPID-AL		WJQS-MS
590	CFTK-ON	1140	KVLI-CA	1290	WJBI-MS		WMXF-NC
670	WYLS-AL	1150	WXKO-GA		WTYL-MS		KFJL-OR
680	KBRD-WA		WONG-MS		KALM-MO		KBCH-OR
740	KCIK-HI		KBPO-TX	1310	KZYP-AR		WYUP-PA
760	KGU-HI	1190	WPSP-FL		WDPN-OH		WGAP-TN
800	KAGH-AR	1210	KZOO-HI	1320	KSCR-OR		KRUN-TX
	KVOM-AR	1220	WERM-AL	1330	WNIX-MS		KEBE-TX
	WPEL-PA		WSRQ-FL		KGLD-TX		KLCK-WA
810	KYTY-TX		WZOT-GA		WSNQ-VA		WBTH-WV
820	WSWI-IN		KQMG-IA		KGRG-WA		CHNL1-BC
830	WACC-FL		WOEG-MS	1340	WSBM-AL	1410	WZZA-AL
850	WLRC-MS	1230	WAYX-GA		WMHZ-AL		WYIS-GA
860	KWRF-AR		KLCB-MT		KBTA-AR		KDBS-LA
	KFST-TX		KRYN-OR		KQIS-AR		WVVB-TN
	CFPR-BC		KCUP-OR		KCAT-AR		KHCH-TX
	CHAK-NT		WMLR-TN		WPBR-FL		KPRO-TX
870	CFBV-BC		WAKI-TN		WTYS-FL		KITE-TX
880	WAMI-AL		KCOH-TX		WGAU-GA	1420	WQBC-MS
890	WJTP-GA		CHFC-MB		WBIW-IN		WMYN-NC
900	WOZK-AL		CFFB-NU		WKCB-KY		KFYN-TX
	KZPA-AK	1240	WMGJ-AL		WAML-MS		WXGM-VA
920	WXKD-AL		WJLX-AL		KLID-MO		KRIZ-WA
	WPTL-NC		KNSN-CA		KQDE-MT	1430	KVHZ-AK
930	KTKN-AK		WBGC-FL		WPOL-NC		KHBM-AR
	WNCL-DE		WKIQ-FL		WOUB-OH		WWSZ-GA
	KBAI-WA		WWNS-GA		KBNW-OR		WLCB-KY
950	KRRP-LA		KEWE-HI		KRBA-TX		WCWC-KY
	WHSY-MS		WEBQ-IL		KUOW-WA		KMRC-LA
960	WBMC-TN		WSFC-KY		KYSP-WA		KKOZ-MO
	KIMP-TX		KASO-LA		WMON-WV		KROL-MO
	KALE-WA		KANE-LA		WLDY-WI		WDJS-NC
970	WFQY-MS		WMIS-MS	1350	WRKM-TN		KROO-TX
	WMPW-VA		WMSO-MS	1360	KFFA-AR	1440	WOCJ-MS
980	KEYQ-CA		KBEL-OK		WGJK-GA		WBLA-NC
	WTOT-FL		KRDM-OR		WFFF-MS	1450	WZGX-AL
	WDYN-GA		WQFM-PA	1370	KAWW-AR		WCOX-AL
990	WJCF-IN		KVLF-TX		KTPA-AR		KDAP-AZ
	WABO-MS		KBUP-WA		WZTA-FL		KNHD-AR
	KAML-TX		CKMK-BC		WTKY-KY		WSTU-FL
	CBDB-YT		CJOR-BC	1380	WRAB-AL		WTAL-FL
1000	WKVG-KY		CFNI-BC		WGYV-AL		WXVW-IN
	KSTA-TX		CJAR-MB		WVSA-AL		WTCO-KY
1040	KLHT-HI	1250	WSRA-GA	1390	KDQN-AR		KNOC-LA
1050	WJCM-FL		WKDX-NC		KFRA-LA		WCJU-MS
	WTWG-MS		WNNT-TN		WNLA-MS		KWPM-MO
	WBUT-PA	1260	KCCB-AR	1400	WWTM-AL		WLAR-TN
1070	KBCL-LA		WMDG-GA		WPRY-FL		KBEN-TX
1080	KYMO-MO		WHYM-SC		WCOH-GA		KMHT-TX
1090	KEMR-NM		WCLC-TN		WSEG-GA		KNET-TX
1110	WCBR-KY	1270	WGSV-AL		WEOA-IN		WLUX-WV



1460	WELZ-MS	KLZN-CA	KVMC-TX	1560	WSEZ-IN	
	WDOG-SC	WMBM-FL	KHVL-TX		WBOL-TN	
1470	WNWF-AL	WCHM-GA	KPLT-TX		KHBR-TX	
	WMGG-FL	WSNT-GA	KJNT-WY	1570	WOKC-FL	
	WCHJ-MS	WSYL-GA	1500	WKAX-AL	KMCD-IA	
	KFMZ-MO	WOMI-KY		WQMS-MS	WIZR-MS	
	KMAL-MO	WSIP-KY		WSMX-NC	WLEE-MS	
	CJVB-BC	KRUS-LA		WDEB-TN	KPYK-TX	
1480	WKGC-FL	WCLD-MS		KANI-TX	1580	WNPZ-TN
	WNKW-KY	KYWL-MT	1510	WJKN-MI		KTLU-TX
	KCHL-TX	KHTC-MT		KCTX-TX	1590	KVTR-CA
	KNTB-WA	WMOA-OH	1520	WINW-OH		KDEX-MO
1490	WFZX-AL	KBIX-OK	1530	WASC-SC		WBHN-NC
	WIRB-AL	WTQS-SC	1540	WMYJ-IN		WABV-SC
	WHBB-AL	WGCD-SC	1550	WOCC-IN		KDAE-TX
	KXAR-AR	WCOR-TN		WLTI-IN	1600	KTAP-CA
	KOTN-AR	KNEL-TX		WUCO-KY		KTTN-MO



# Geomagnetic Indices

Geomagnetic Summary July-August 2020

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

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

Date	Flux	A	K	Space Weather	8/	1	72	3	1	no storms
7/ 1	68	5	3	no storms	2	73	9	3	no storms	
2	68	4	1	no storms	3	73	16	3	no storms	
3	69	4	1	no storms	4	73	8	2	no storms	
4	70	7	3	no storms	5	73	5	1	no storms	
5	69	10	3	no storms	6	73	5	2	no storms	
6	69	5	1	no storms	7	74	4	2	no storms	
7	68	4	1	no storms	8	<b>75</b>	5	0	no storms	
8	67	2	1	no storms	9	74	3	1	no storms	
9	69	4	1	no storms	10	74	3	1	no storms	
10	69	3	1	no storms	11	74	3	1	no storms	
11	69	3	1	no storms	12	73	3	0	no storms	
12	68	3	1	no storms	13	72	4	1	no storms	
13	68	6	3	no storms	14	71	4	1	no storms	
14	69	11	1	no storms	15	71	3	1	no storms	
15	68	5	0	no storms	16	71	4	1	no storms	
16	69	4	1	no storms	17	71	3	1	no storms	
17	68	4	1	no storms	18	71	6	3	no storms	
18	68	4	1	no storms	19	71	6	1	no storms	
19	69	4	1	no storms	20	70	3	1	no storms	
20	69	4	1	no storms	21	71	4	1	no storms	
21	70	4	1	no storms	22	70	8	3	no storms	
22	70	3	1	no storms	23	71	7	3	no storms	
23	70	4	1	no storms	24	70	3	0	no storms	
24	70	11	3	no storms	25	71	4	1	no storms	
25	70	<b>15</b>	<b>4</b>	no storms	26	70	7	2	no storms	
26	70	3	1	no storms	27	70	8	1	no storms	
27	71	4	1	no storms	28	70	10	3	<b>minor, G1</b>	
28	72	4	1	no storms	29	70	14	3	no storms	
29	<b>73</b>	5	1	no storms	30	70	9	3	no storms	
30	<b>73</b>	4	1	no storms	8/31	70	<b>26</b>	3	<b>minor, G1</b>	
7/31	72	4	1	no storms						

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

# GRAVEYARD DX ACHIEVEMENTS

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

TimHall1@gmail.com

## Total Stations Heard

Logged from January 1, 1960 to the Present

Updated as of September 12, 2020

<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>
Norm Maguire (SK) - East Hartford, CT/ Albuquerque, NM	146	169	174	168	192	157	1006	
Stan Morss (SK) - Boxford, MA		84	114	101	102	108	98	607
Charles Reh - Leamington, ON		65	78	91	70	80	86	470
Carl Dabelstein - Various Locations		66	76	76	64	81	50	413
Gary Siegel - Toledo, OH		50	64	82	66	69	58	389
Hank Holbrook (SK) - Chevy Chase, MD		31	66	83	54	73	62	369
Barry McLarnon - Ottawa, ON		57	62	57	62	64	65	367
Frank Wheeler (SK) - Erie, PA		58	81	63	62	65	32	361
Niel Wolfish - Various Locations		54	52	51	67	66	69	359
Steve Francis (SK) - Alcoa, TN		54	49	44	53	65	74	339
John Wilkins - Various Locations		55	54	50	61	53	59	332
Jeff Falconer - Clinton, ON		53	45	57	60	58	54	327
Russ Edmunds - Northern NJ/Southeastern PA		42	50	52	54	54	64	316
Shawn Axelrod - Various Locations, MB		54	37	57	59	60	48	315
Ron Schiller (SK) - Various Locations, NJ		43	44	57	31	49	66	290
Ernie Wesolowski - Omaha, NE		41	49	46	45	52	19	252
Phil Bytheway - Seattle, WA		37	38	48	42	44	34	243
Joe Kureth (SK) - Uniontown, MD		35	36	40	43	37	43	234
Tim Hall - US 6/50 at NV/UT Border, UT		40	37	35	45	37	40	234
Paul Thomas - (mostly) Proctorville, OH		23	37	37	36	53	41	227
Karl Forth - Chicago, IL		33	35	31	48	51	24	222
Dave Whatmough - Hamilton, ON		33	27	39	31	39	41	210
Don Trelford (SK) - Toronto, ON (pre-1960)		39	22	37	34	38	33	203
Andy Rugg (SK) - Montreal, QC		30	31	32	24	25	34	176
Karl Jeter - Suburban Atlanta, GA		20	31	20	29	29	41	170
Tim Noonan - Various Locations		22	19	22	28	38	31	160
Kraig Krist - Various Locations		26	27	28	23	30	24	158
Wayne Heinen - Aurora, CO		23	22	11	30	30	31	147
Rick Dau - Iowa City, IA		22	19	24	29	24	26	144
Ron Musco - Hartford, CT		21	25	21	25	27	24	143
Craig Barnes - Wheat Ridge, CO		21	15	29	25	26	22	138
Tim Hall - San Diego/Chula Vista, CA		24	15	27	27	22	18	133
Dave Fox - Reading, PA		15	24	16	23	24	27	129
Frank Merrill - Various Locations		16	18	17	20	26	26	123
Gary Atkins (SK) - Louisville, KY		21	8	29	21	18	26	123
George Santulli - Cranford, NJ		19	15	33	11	19	17	114
Dave Schmidt - New Castle, DE		17	24	21	16	12	23	113
Dave Braun - Various Locations		18	24	14	20	14	22	112
Marc DeLorenzo - Hyannis, MA		20	19	13	16	23	20	111
Rick Dau - South Omaha, NE		21	17	14	17	26	13	108
Harry Hayes - Gouldsboro, PA		15	21	17	13	21	19	106
John Malicky - Pittsburgh, PA		7	15	16	14	24	27	103
Forest Osborn - Hooker, OK		14	15	14	21	14	11	89
Nancy Johnson - Aberdeen, WA		16	20	13	11	13	14	87
Bill Hale - WI, IL, ID, FL, TX, NY, CA, NM		15	14	12	11	13	15	80
Joe Kureth (SK) - Southern Pines, NC		13	12	13	13	17	12	80
Martin Foltz - Mission Viejo, CA		11	10	11	15	12	11	70
Mike Hardester - Various Locations		13	10	11	10	13	13	70
Fred Nordquist - Clay, NY		13	15	6	9	15	11	69
Wayne Heinen - Colorado Springs, CO		8	5	21	17	4	8	63
Don Trelford (SK) - Scarborough, ON		7	10	8	9	17	9	60

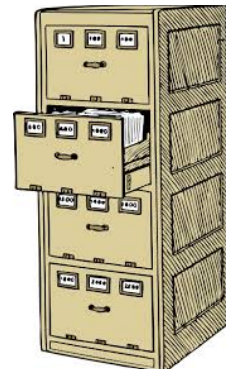
Larry Van Horn - Brasstown, NC	12	9	11	8	10	10	60
Tim Hall - West Glacier, MT	13	7	6	9	14	10	59
Pete Taylor - Worldwide	12	8	8	19	6	5	58
Tim Hall - Teasdale, UT	10	10	8	10	8	11	57
Tim Hall - Tombstone, AZ	12	10	9	10	7	9	57
Tim Hall - Yellowstone Lake Village, WY	11	9	9	9	9	9	56
Steve Kamp - San Jose, CA	14	4	9	13	11	4	55
Tim Hall - Mammoth Lakes, CA	12	10	9	8	7	9	55
Sean Breazeal - Stansbury Park, UT	11	9	8	12	12	2	54
Morris Sorensen (SK) - Winnipeg, MB	4	6	8	10	14	8	50
Wayne Heinen - Orchard Park, NY	14	10	8	2	8	5	47
Russ Edmunds - Syracuse, NY	12	8	7	5	6	8	46
Tim Hall - Jasper, AB	10	7	8	7	8	5	45
Dave Yocis - South Nyack, NY	1	6	11	5	11	10	44
Tim Hall - Ajo, AZ	9	8	9	6	6	6	44
Ron Schiller (SK) - Couer d'Alene, ID	5	6	13	4	4	11	43
Morris Sorensen (SK) - Scarborough, ON	2	12	3	10	6	9	42
Paul Mount - Teaneck, NJ	5	8	8	8	8	5	42
Denis Picard - Trois-Rivières-Ouest, QC	7	11	6	6	5	6	41
Tim Hall - Benton Hot Springs, CA	6	5	9	9	6	6	41
Tim Hall - Bandon, OR	7	4	6	9	5	9	40
Tim Hall - Monterey/Carmel, CA	10	6	8	5	6	4	39
Don Trelford (SK) - Runaway Bay, Jamaica	4	6	6	5	10	7	38
Tim Hall - Bovina, NY	5	8	6	5	7	7	38
Tim Hall - Chester, CA	5	8	6	5	7	7	38
Tim Hall - The Sea Ranch, CA	11	6	6	3	6	6	38
Stephen Ponder - Bossier City, LA	6	5	6	6	7	7	37
Tim Hall - Crater Lake Rim Village, OR	10	7	4	6	5	5	37
Tim Hall - Flagstaff, AZ	10	6	4	6	4	5	35
Tim Hall - Fort Davis, TX	3	7	5	2	8	8	33
Tim Hall - Lone Pine, CA	8	7	4	5	4	5	33
Tim Hall - Ouray, CO	5	5	5	7	4	7	33
Tim Hall - Radium Hot Springs, BC	7	4	7	6	4	5	33
Tim Hall - Chisos Mountain Lodge, TX	5	5	6	3	6	7	32
Tim Hall - Crescent City, CA	4	1	6	9	6	6	32
Morris Sorensen (SK) - Leaf Rapids & God's Narrows, MB	5	6	5	7	4	4	31
Neil Kazaross - Barrington, IL	9	6	3	4	4	5	31
Tim Hall - Moab, UT	5	4	5	6	5	6	31
Tim Hall - Burney, CA	4	5	4	6	6	5	30
Tim Hall - Houston, TX	1	2	8	5	6	8	30
Tim Hall - Lakeville, PA	6	5	4	4	5	6	30
Tim Hall - Springdale, UT	8	5	5	4	4	4	30
Tim Hall - Yellowstone Grant Village, WY	5	5	5	3	5	7	30
Morris Sorensen (SK) - Milton, ON	5	3	3	7	3	7	28
Morris Sorensen (SK) - Port Carling, ON	2	5	5	6	4	6	28
Russ Edmunds - Jonesport, ME	4	5	1	6	5	5	26
Rick Dau - Davenport, IA	1	4	4	4	5	4	22
Paul Mount - Nelsonville, OH	4	4	2	3	3	5	21
Paul Swearingen (SK) - Moran, KS	5	3	2	2	2	5	19
Morris Sorensen (SK) - Kemptville, ON	2	4	2	2	5	3	18
David B. Jones (SK) - Springfield, TN	3	5	3	2	2	2	17
John Tudenham - Joplin, MO	7	2	2	4	1	1	17
Morris Sorensen (SK) - Amaranth, MB	3	5	3	1	1	2	15
Pete Taylor - Tacoma, WA	2	1	1	4	3	4	15
Bruce Conti - Nashua, NH	3	0	6	1	3	1	14
Doug Smith - Madison, WI	2	1	3	2	2	0	10
Perry Crabill (SK) - Winchester, VA	2	2	1	1	2	2	10
Neil Kazaross - Grafton, WI	1	0	0	1	1	2	5
Antoine Gamet, Coatesville, PA	0	1	2	1	0	0	4
Ron Schiller (SK) - St. George, UT	2	0	1	0	0	1	4
Neil Kazaross - Pawtucket, RI	0	1	2	0	0	0	3
Neil Kazaross - Poipu Beach, HI	1	1	0	0	0	0	2



Steve Kamp - Irving, TX	0	1	1	0	0	0	2
Steve Kamp - New Haven, CT	1	0	0	0	0	0	1
Steve Kamp - Hollywood, FL	0	1	0	0	0	0	1
John J. Rieger - L'Anse, MI	0	0	0	0	1	0	1
Neil Kazaross - Narragansett, RI	0	1	0	0	0	0	1
Neil Kazaross - Ogunquit, ME	0	0	1	0	0	0	1
Neil Kazaross - Poway, CA	0	0	0	0	1	0	1
Neil Kazaross - Schenectady, NY	0	0	0	0	0	1	1

## From the *DX News* archives ....

**75 Years Ago** – From the October 6, 1945 issue of *DX News*: The NRC Board of Directors has approved investigating the publication of an AM broadcast band log book in loose-leaf form, to be issued by the club at a cost no less than \$1.00, possibly more; ideas for the Log were being collected by NRC Vice President Dick Cooper. David Thomas, Proctorville, Ohio, led the standings of total heard and verified stations with 2,000 each; Joe Becker of Hamilton, Ohio was second with 1,516 heard and 1,504 verified. KOMO and KJR in Seattle exchanged call letters.



**50 Years Ago** – From the September 26, 1970 issue of *DX News*: Club membership passed the 500 mark; NRC charter member J.W. Routzhan commented, “When we started publishing the ‘NRC bulletin’ in 1933 it was two pages mimeographed. We thought that was a big job then so we can really appreciate the job you fellows are doing now.” A record 70 members attended the September 3-7 Hasbrouck Heights, N.J. convention, where Jerry Starr was named Domestic DXer of the Year for 1969-70, Al Merriman the International DXer of the Year, and Dan Myers the CPC Member of the Year. Radio Nordsee is now operating 24 hours on 1367 kHz with announcements in Dutch, English, and German, and was logged by IDXD editor Gordon Nelson in Watertown, Mass. According to a report from the Arctic Radio Club, a Nordsee creditor tried to take over the ship on August 29, using a welding torch to cut the anchor chain and took over parts of the ship. Radio Nordsee kept broadcasting through the two-hour skirmish, until the ship of Radio Veronica (1562 kHz) and a Dutch police vessel arrived.

**25 Years Ago** – From the October 2, 1995 issue of *DX News*: The FCC scrapped the list of expanded band (1610-1700) allotments after several unsuccessful applicants pointed out errors in the computer database and program used to generate the list. However, WJDM-1530 Elizabeth NJ had received an STA to begin broadcasting on 1660 kHz which was apparently unaffected. George McLachlan, with a Beverage antenna located near Lewis, Manitoba and pointed to Australia from just before 1200 to just after 1230 on September 10, finding 36 hets and 15 stations with audio of some sort, including decent signals on 1206 and 1548 kHz. Ernie Cooper’s Musing reported his adventures getting to and from the Aurora, Colorado NRC convention, including the train in the new Denver airport and his first experience of a taxicab with a credit card machine. He has 4,484 verifications to start the new DX season.

**10 Years Ago** – From the October 4, 2010 issue of *DX News*: Paul Swearingen retired after more than 22 years as *DX News* publisher as David Yocis took on that role. Wayne Heinen has begun the project of converting the late Kermit Geary’s verification collection and the *DX News* archive to PDF format; Wayne forecast that without help he will be 120 years old by the time he finishes – since both are now available and Wayne is considerably younger than that, we know he got the help he was looking for!

All *DX News* editions from Volume 1 Issue 12 through Volume 84 are now available free to the public at the NRC web site: <http://nationalradioclub.org/DXNs/index.html>.



Photos from George Santulli's recent trip to Mackinaw Island.

# DX News Submission Guidelines

Most NRC members contribute to *DX News* by contributing to one or more of our columns. Each column has a volunteer editor who compiles information sent in by club members or found through research or personal knowledge.

Station loggings and tips should be sent to Domestic DX Digest (for stations in the United States and Canada) or International DX Digest (for all other stations). DDXD in turn is divided into East and West columns, with the line between the Eastern and Central Time Zones as the boundary. By longstanding custom, DDXD uses Eastern Local Time (meaning EST or EDT, depending on the season) and IDXD uses Universal Time (UTC). These columns run in every issue of *DX News*.

By and large, loggings should be current (usually not more than one month old) and should give some details of the logging. The goal is to provide a tip that fellow DXers would find helpful in hearing the station themselves. Loggings should be of unusual or rare stations for you. For DDXD, loggings of 50 kW “clear channel” stations within 600 miles or so, or stations you hear on a regular basis, should not be submitted. The rule of thumb is to report a domestic station not more than once a year. However, station news such as changes in format, call sign, patterns of reception, etc., can justify exceptions to these rules of thumb.

Your editors will very much appreciate it if you submit your loggings in the format you see here in print in *DX News*. For example, dates should be “4/14” in DDXD and “APR 14” in IDXD. The more time editors spend changing each of your loggings that say “4-14” or “04/14,” the less time they have to focus on the content of the column (and the more irate they’ll be when they see your next submission). Please try to keep abbreviations to a minimum; many *DX News* readers are not native English speakers. Ham abbreviations (other than QRM for man-made interference, e.g. other stations, and QRN for naturally occurring interference, e.g. static, which seem to be common usage among MW DXers) should not be used – your publisher is particularly not fond of “OM” and “YL,” not to mention “XYL,” which strike him as a bit dated and sexist for use in print these days.

Stations that still “verify” receptions with written or electronic responses to DXer reports are reported to Confirmed DXer (published every two months).

The next major group of columns are station news columns. AM Switch is a weekly column that includes official station changes from the U.S. and Canadian licensing authorities and format, slogan, network, and relay station information to update your *NRC AM Log*. This column was edited for many years by Jerry Starr and then by Bill Hale, but hasn’t had a formal “editor” since September 2012 – the publisher combines information researched by several different members. Members with information to contribute can send it to the publisher directly, or to Wayne Heinen, the *NRC AM Log* editor. Stations carrying professional and college sports networks are updated each year in Pro Sports Networks and College Sports Networks (this column is vacant, an editor is needed!). Other network lists are published from time to time. If you run across a list (or even a URL to an online network list), please send it to the publisher.

Forty years ago, most of *DX News* was devoted to Musings of the Members, edited for many years by the late Ernie Cooper, with narratives from each member about recent loggings and other activities. Today, Musings is rarely used to report loggings, but we still encourage members to write in about their DX activities and comment on the hobby and the club. Active debate and discussion is good, but please keep it DX-related. Virtually every political and personal viewpoint can be found in the NRC, but we have many other places to debate those things. Here, we share the hobby of DXing, and even if we differ on other matters, we can be brought together by radio.

We also run a number of achievement columns. Graveyard DX Achievements has mileage records for the stations on the local or “graveyard” channels of 1230, 1240, 1340, 1400, 1450, and 1490 kHz. These are maintained online (at [www.nationalradioclub.org](http://www.nationalradioclub.org)) and updated in *DX News*. Domestic DX Achievements and International DX Achievements report total stations heard and/or verified by members. The publisher maintains these totals and runs them in *DX News* as space is available.

Finally, DX Toolbox is a (more or less) monthly column with tips on DX strategies, web resources, and other miscellaneous topics. SDR loggings that are too old for DDXD or IDXD but are nonetheless of general interest can be reported here.

*DX News* also includes feature articles on DXpeditions, technical topics (receiver reviews, antenna design, propagation theory, etc.), radio history, station profiles, DXing techniques, and anything else that may be of interest to the MW DXer. Material for publication not falling into any of our columns should be sent directly to the publisher. In general, you should not try to make your submissions “camera-ready” for publication – use minimal formatting and we’ll take it from there.

If you’d like to contribute to a column, but aren’t sure how to do it, you can always contact the column editor first for suggestions. Or you can contact the publisher – preferably by e-mail at [NRCDXNews@gmail.com](mailto:NRCDXNews@gmail.com), or by regular mail too. Participation and contribution by the members are always welcome ... we hope to see your DX news in *DX News* soon!



# The National Radio Club

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