

DX News

Serving DXers since 1933



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From the Publisher: Via Russ Edmunds comes the news that former NRC member Ron Gitschier passed away in November of last year. Ron ran many tests at Florida AM stations and was known to many NRC members. Our condolences to his family.

George Santuli passes along an interesting set of comments on Radio Ink following a recent article by Robert Lee of QXZ Media Works in Waco, Texas entitled "I Repeat – AM Radio is Dead." The article generated a large number of online comments; to read click [here](#) if you're a PDF subscriber (or Google "Radio Ink AM Radio is dead" if you're a print subscriber).

We now are able to include live links (such as the one above) for our e-DXN subscribers ... if you are having trouble with them, or if you're a print subscriber and you miss those long Web addresses, please let me know! Constructive comments and suggestions for *DX News* are always welcome at NRCDXNews@gmail.com.

See you again in just 3 more weeks ... spring is around the corner!

Membership Report

"Just a quick note to thank you for your continuing good service to us. The DX News is

my main source of information about what's happening in the radio world. Please keep up the good work." – Ken MacHarg

New Members: Welcome to Richard Colgan, Austin, TX; Richard Goldfinger, Oak Ridge, TN; and Terry Thiewes, Maple Grove, MN.

Rejoining Members: Welcome back to Phil Harris, Statesboro, GA.

Renewing Members: Thanks for the ongoing support of Richard Allen; Karl Ayer; Jesse R Bruner; Anthony Capobianco; John E. Clark; William Feidt; Roger Gravelle; LeRoy Hennes; Willard G. Hoffmann; Peter A. Horton; Dan Hromadka; Arthur Jackson; Thomas M. Jasinski; Steve Kennedy; Stephen Lindsay; Ken MacHarg; Charles Reh; Edward J. Semrad; James E. Shaw; Mark Smith; John R Stacy; Mike Strand; William D. Swiger; Alphonse Tobia; Tom Walsh; and Wally Wawro.

Volume 86 DX News Schedule

No	D'dline	Print	17	June 14	June 24
14	Apr. 5	Apr. 15	18	July 12	July 22
15	Apr. 26	May 6	19	Aug. 9	Aug. 19
16	May 17	May 27	20	Sept. 6	Sept. 16

See you all in 3 weeks!

NRC AM Radio Log 39th Edition Is Now Available

The 39th edition of the *AM Radio Log* is the authoritative source for information on AM radio stations in the United States and Canada. The *Log* contains 302 pages of data and 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. 10,000+ updates since last year's 38th Edition of the *Log*! New for this year is a cross reference by State/ Provinces in frequency order. This list is ideal for targeting needed areas. Additional reference lists include call letters of FM simulcasts with the AM Stations listing, listings of regional groups of stations in the groups section (separate section of the *Log*), 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.

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AM Switch

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

FCC and CRTC Decisions and Applications

CALL CHANGES

- 1090 KSFE NM **Milan** – Call change to KMYN (Mar. 7).
 1260 KBXN ID **Weiser** – Call change to KKO0 (Mar. 12).
 1380 KAGE MN **Winona** – Call change to KHWK (Mar. 11).
 KKO0 OR **Ontario** – Call change to KBXN (Mar. 12).
 1410 WBBX TN **Kingston** – Call change to WVVB (Mar. 6).
 1430 WVAM PA **Altoona** – Call change to WTNA (Mar. 15).
 1460 WATD MA **Brockton** – Call change to WBMS (Mar. 1; station is silent).



NEW STATION WATCH

- 1490 KZEZ UT **Santa Clara** – Applies for license to cover CP for new station, U1 1000/1000 at 37-06-42/113-30-43.

STATIONS GOING DARK (OR NOT?)

- 820 WTNW TN **Jasper** – License cancelled; station has been silent since Jan. 1, 2017.
 940 KCOE OR **Bend** – License cancelled; station has been silent since Mar. 29, 2017.
 1060 WGSB NC **Mebane** – License cancelled; station has been silent since Jan. 13, 2017.
 1260 KBHC AR **Nashville** – License cancelled; station has been silent since May 28, 2017.
 1310 KKNS NM **Corrales** – License to cover CP for U1 5000/82 from a new site (which the station has been using under STA) dismissed Feb. 26; this license to cover had been pending a license renewal application, so maybe that's about to be rejected?
 1380 WAGS SC **Bishopville** – License cancelled; station has been silent since Mar. 1, 2018.
 1410 WIQR AL **Prattville** – License cancelled; station has been silent since June 3, 2016.

CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs fully licensed and on the air:

- 600 CBNA NL **St. Anthony** – Move to 100.3 MHz FM is on the air; AM in last 90 days of life.
 660 WXQW AL **Fairhope** – CP for U1 10000/19, coordinates adjusted to 30-35-30/87-52-58, is on the air.
 680 WDBC MI **Escanaba** – CP for U4 6000/1000, coordinates adjusted to 45-45-47/87-05-41, is on the air.
 790 KOSY AR **Texarkana** – CP for U1 1000/23, coordinates adjusted to 33-22-25/94-01-01, is on the air.

CPs built and possibly on air, awaiting final licensing:

- 1210 KMIA WA **Auburn-Federal Way** – Applies for license to cover CP with U4 27500/220, moving night operations to licensed day site.
 1310 WOKA GA **Douglas** – Applies for license to cover CP with U1 500/68.
 1460 WBMS MA **Brockton** – Applies for license to cover CP with U1 5000/30, new site 42-03-01/71-03-42.

CPs granted:

- 1430 WVAM PA **Altoona** – Granted CP for U1 5000/25, adjusted coordinates 40-29-47/78-24-05.
 1440 WLXN NC **Lexington** – Granted CP for U1 5300/50, dropping separate night site and consolidating at licensed day site with reduced night power.
 1450 CKDR3 ON **Hudson** – LPRT granted CP to move to 97.5 MHz FM.
 1490 WFXV KY **Middlesboro** – Granted CP for new tower, moving 200' to 36-36-46/83-42-33.

Amendment to pending CP granted:

- 1010 KIQI CA **San Francisco** – Has CP for U4 10000/15000, granted amendment to U4 10000/10000.

Applications for CPs filed:

- 1150 WJEM GA Valdosta – Applies for CP with U1 2300/50 (dropping U4, reducing power).
 WHUN PA Huntingdon – Applies for CP with U1 1000/36 (reducing day power).
 1200 WAXA FL Pine Island Center – Applies for CP with U3 750/750, coordinates adjusted to 26-42-51/82-02-44.
 1210 CBAK NT Aklavik – LPRT applies to move to 97.7 MHz FM.
 1230 WRBS MD Baltimore – Applies for CP with U1 600/1000, moving to WOLB-1010/WWIN-1400 tower at 39-18-06/76-34-09 (and reducing day power).
 1260 KBXN ID Weiser – Applies for CP with U1 9800/36 (increasing day power).
 1340 CBLB ON Schreiber – LPRT applies to move to 90.9 MHz FM.

SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

- 560 WEBC MN Duluth – Granted STA, parameters at variance (using U4 4000/5000), day pattern is out of whack and engineers can't work due to snow and ice.
 680 WRKO MA Boston – Granted STA, parameters at variance, pattern problems.
 WINR NY Binghamton – Granted STA, night parameters at variance.
 750 WBMD MD Baltimore – Granted STA, D1 250 from a WFSI-860 tower.
 760 KMTL AR Sheridan – Granted STA, D1 1000, silent station needs to broadcast.
 800 KQCV OK Oklahoma City – Granted STA, parameters at variance.
 880 WMEQ WI Menomonie – Granted STA, minor parameters at variance.
 1150 WJEM GA Valdosta – Granted STA, U1 1000/25.3, storm damage to towers.
 1240 KJAA AZ Globe – Granted STA, U1 500/500, partially collapsed tower.
 1320 KNIT UT Salt Lake City – Granted STA, U1 500/500 from the site where it has applied for a CP with U1 730/730, co-located with (silent) KEZF-1230.
 1350 KPWK CA San Bernardino – Granted STA, U1 2750/150, fire at transmitter site.
 1410 WSHY IN Lafayette – Granted STA, U1? 500/30 during phone nest installation on tower.
 1460 WBRN MI Big Rapids – Granted STA, U1 1000/100, can't switch to directional pattern.
 1480 KPHX AZ Phoenix – Granted STA, U1 250/25 from 31-meter drop wire antenna at the CP site, co-located with KSUN-1400 (but not from KSUN tower).
 1490 WDEP PR Ponce – Granted STA, U1 3000/1000 at CP site.
 1520 WRSJ PR San Juan – Granted STA, U1 1000/1000, Hurricane Maria damage.
 1700 WRCR NY Ramapo – Granted STA, U1 2500/250, 175' LW at 41-11-22/74-00-55.

Applications for STA filed:

- 1240 KDSK NM Los Ranchos de Albuquerque – Applies for STA, U1 1000/1000 from 37-meter longwire at 35-10-09/106-29-59; has lost licensed site.
 1470 KLCL LA Lafayette – Applies for STA, U1 2500/500, reduced power with transmitter still under repair.

Extensions to existing STAs granted:

- 600 KGEZ MT Kalispell – Granted STA extension, U1 1250/250.
 670 KPUA HI Hilo – Granted STA extension, reduced power (using U1 1000/1000).
 720 WHYF PA Shiremanstown – Granted STA extension, 60' LW at 40-12-58/76-58-08.
 790 WAEB PA Allentown – Granted STA extension, U5 3600/375 or parameters at variance.
 830 KFLT AZ Tucson – Granted STA extension, parameters at variance.
 870 KAAAN MO Bethany – Granted STA extension, reduced power (unspecified).
 980 WOFX NY Troy – Granted STA extension, parameters at variance.
 KTCR WA Selah – Granted STA extension, U1 1000/125, KRSE-105.7 tower.
 1030 WOSO PR San Juan – Granted STA extension, D1 300, folded unipole, 18-26-55/66-04-37.
 1050 KTCT CA San Mateo – Granted STA extension, U4 50000/35000 (Mexico QRM).
 1070 KFTI KS Wichita – Granted STA extension, U1 10000/250.
 1080 WKJK KY Louisville – Granted STA extension, parameters at variance.
 1150 KGDD OR Portland – Granted STA extension, U1 10/10, whip at 45-31-09/122-36-22.
 WHUN PA Huntingdon – Granted STA extension, reduced day power.
 1220 WERM AL Fairhope – Granted STA extension, D1 250 from WABF-1480 tower.
 1250 KKDZ WA Seattle – Granted STA extension, U1 5000/1250.
 1290 KAZA CA Gilroy – Granted STA extension, U1 1250/20 from KZSJ-1120 tower.
 1300 WIBR LA Baton Rouge – Granted STA extension, U1 300/11 from WXOK-1460 tower.
 WTI PR Mayagüez – Granted STA extension, U1 1000/1000 from one CP tower.
 1310 WAUC FL Wauchula – Granted STA extension, U1 1250/125.
 1320 WAGY NC Forest City – Granted STA extension, D1 1000.

	WOBL	OH	Oberlin	– Granted STA extension, parameters at variance.
1340	KSGT	WY	Jackson	– Granted STA extension, reduced power (unspecified).
1440	WPRD	FL	Winter Park	– Granted STA extension, U1 5000/250.
1460	WPON	MI	Walled Lake	– Granted STA extension, D1 250 from CP tower.
1480	KYOS	CA	Merced	– Granted STA extension, U1 4300/75 from CP application tower.
1520	WINW	OH	Canton	– Granted STA extension, D1 250, longwire at 40-48-32/81-22-35.
	KOKC	OK	Oklahoma City	– Granted STA extension, U1 10000/10000, 35-20-01/97-30-18.
1540	KXPA	WA	Bellevue	– Granted STA extension, U1 5000/1250.
1590	WFTH	VA	Richmond	– Granted STA extension, parameters at variance (damaged tower).
1600	WLXE	MD	Rockville	– Granted STA extension, U1 1000/125.

Applications to extend existing STAs filed:

570	WTBN	FL	Pinellas Park	– Applies to extend STA, U1 1250/1250.
	WSYR	NY	Syracuse	– Applies to extend STA, parameters at variance.
580	WKAQ	PR	San Juan	– Applies to extend STA, U1 10000/4500.
590	KCSJ	CO	Pueblo	– Applies to extend STA, parameters at variance.
940	WIPR	PR	San Juan	– Applies to extend STA, U1 2500/2500 from WKAQ-580 tower.
980	WONE	OH	Dayton	– Applies to extend STA, night parameters at variance.
1050	WJCM	FL	Sebring	– Applies to extend STA, reduced day power (using U1 750/11).
1060	KGFX	SD	Pierre	– Applies to extend STA, parameters at variance.
1090	WUVI	VI	Charlotte Amalie	– Applies to extend STA, D1 225.
1130	WDFN	MI	Detroit	– Applies to extend STA, night parameters at variance.
1200	WAXA	FL	Pine Island Center	– Applies to extend STA, U3 2200/2200.
1240	KOKL	OK	Okmulgee	– Applies to extend STA, U1 333/333.
1260	WSHU	CT	Westport	– Applies to extend STA, U1 250/2, longwire at 41-07-42/73-23-26.
1270	WLLN	NC	Lillington	– Applies to extend STA, reduced day power (using U4 1000/49).
1360	KWWJ	TX	Baytown	– Applies to extend STA, parameters at variance.
1420	KSTN	CA	Stockton	– Applies to extend STA, U1 1250/250 or parameters at variance.
1440	WGIG	GA	Brunswick	– Applies to extend STA, parameters at variance.
1540	WKXG	MS	Greenwood	– Applies to extend STA, U1 250/1, 135' LW at 33-32-02/90-11-42.
1690	WIGT	VI	Charlotte Amalie	– Applies to extend STA, U1 400/400.

SILENT STATIONS

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

590	WDIZ	FL	Panama City	– Silent Oct. 10 (2018), on the air with STA Jan. 10.
760	KMTL	AR	Sheridan	– Silent Mar. 1 (2018), on the air with STA Feb. 26.
1090	KVOP	TX	Plainview	– Silent Apr. 25 (2018), on the air July 25 (2018), just posted now.
1300	KKOL	WA	Seattle	– Silent Feb. 28 (2018), on the air with STA Feb. 22.
1410	WIHM	IL	Taylorville	– Silent Feb. 8, on the air Mar. 4.
1520	WRSJ	PR	San Juan	– Silent Sept. 20 (2017), on the air with STA Feb. 26.

Stations informing the FCC that they are silent:

1090	WTSB	NC	Selma	– Silent Jan. 31, pending sale after retirement of 92-year-old owner.
1280	KXEG	AZ	Phoenix	– Silent Feb. 4, loss of tower site.
1300	KKLS	TX	Lumberton	– Silent Jan. 20, transmitter problems.
1490	WPAK	VA	Farmville	– Silent Feb. 24, transmitter failure.
1510	WQQW	IL	Highland	– Silent Mar. 4, transmitter problems.
1520	KQQB	TX	Stockdale	– Silent Dec. 27, 2018, thunderstorm damage to transmitter.

COORDINATE CORRECTION

1450	WHDL	NY	Olean	– Applies for CP to correct coordinates to 42-04-34/78-28-27.
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NRC AM Log updates

540	KVIP	CA	Redding	– Slogan & Group to Grp= Very Inspiring Programing.
	WAUK	WI	Jackson	– Slogan to "94-5 ESPN FM & 540 ESPN," adds // WKTI-94.5.
580	WKAQ	PR	San Juan	– Group to Slogan & Grp= 580 WKAQ (ex-Grp= Radio Reloj).
590	WLES	VA	Bon Air	– Slogan to "The Truth," adds // W249CI-97.7; delete // W300DK-107.9; delete Group. (FCC)
600	KCOL	CO	Wellington	– Slogan to "News Radio 600."
	WYEL	PR	Mayagüez	– Slogan & Group to Grp= 580 WKAQ (ex-Grp= Radio Reloj).

620	KEXB	TX	Plano – Format to BIZ/SSan (ex-BIZ); slogans to "Experts in Business," "Radio Oasis." (GH)
	WVMT	VT	Burlington – Adds // W242BK-96.3. (FCC)
630	KPLY	NV	Reno – Adds // K273BI-94.9. (FCC)
650	KMTI	UT	Manti – Adds // K236BE-95.1. (FCC)
	CKOM	SK	Saskatoon – Format to NWS/TLK (ex-NWS/TLK/Comedy); nets to CP. (WH)
680	WCTT	KY	Corbin – Adds // W287DL-105.3. (FCC)
690	KCEE	AZ	Tucson – Slogan & Group to Grp= Reach Radio.
730	KWRE	MO	Warrenton – Adds // K236CK-95.1. (FCC)
740	WNYH	NY	Huntington – Group to Grp= WNYH Group.
	WVCH	PA	Chester – Adds // W237EH-95.3. (FCC)
810	WRSO	FL	Orlovista – Slogan & Group Grp= Accion 97.9 (ex-Grp= Your Brazilian Radio).
820	WNTW	VA	Chester – Adds // W224EB-92.7; delete // W249CI-97.7. (FCC)
850	WKGE	PA	Johnstown – Format to CLR (ex-NOS); delete slogan.
860	KTRB	CA	San Francisco – Adds // K257BE-99.3. (FCC)
	WFSI	MD	Baltimore – Adds // W295BX-106.9. (FCC)
870	WTCG	NC	Mount Holly – Adds //W222CW-92.3. (FCC)
890	WKNV	VA	Fairlawn – Slogan to "Joy FM Real Music Real Life," adds // W232CS-94.3; delete Grp= Joy FM Real Music Real Life.
900	WSWN	FL	Belle Glade – Adds // W296DN-107.1. (FCC)
920	KSVA	NM	Albuquerque – Adds // K282CD-104.3. (FCC)
930	WFXJ	FL	Jacksonville – Slogan to "97.3 The Game," adds // W247CF-97.3.
940	KDIL	ID	Jerome – Slogan & Group to Grp= La Estación de la Familia 940.
950	KFSA	AR	Fort Smith – Adds // K226BS-93.1. (FCC)
	WCDC	SC	Moncks Corner – Format to REL (ex-UC:GOS); slogan to "Moody Radio," networks to SCn/MBN.
960	KLAD	OR	Klamath Falls – Slogan to "The Basin's Sports Leader," adds // K282CB-104.3; delete // K227CU-93.3.
980	KCAB	AR	Dardanelle – Delete // K246BY-97.1. (FCC)
	KICA	NM	Clovis – Format to CCR (ex-SPT); delete networks and Grp= HPRN.
1000	KCEO	CA	Vista – Adds // K257FV-99.3. (FCC)
1040	KCBR	CO	Monument – Format to HipHop (ex-CLR/Comedy); delete networks; slogan & Group to Grp= Blazin' 98.5 (ex-Hits & Giggles 98.5 & 95.7).
1050	WGRI	OH	Cincinnati – Slogan to "Inspiration 1050 & 103.1."
	WAMN	WV	Green Valley – Group to Grp= Willie 94.5 (ex-Grp= Willie 97.3).
1060	WILB	OH	Canton – Slogan & Group to Grp= Living Bread Radio.
1090	KVOP	TX	Plainview – Format FARM/TLK (ex-TLK); delete networks and Grp= HPRN.
1120	KCRN	CO	Limon – Adds // K272FP-102.3. (FCC)
1130	WALQ	AL	Carrville – Delete // W257DL-99.3. (FCC)
1150	WJEM	GA	Valdosta – Slogan to "Fox Sports Radio," adds // W232DB-94.3; delete // W256DB-99.1. (FCC)
	KAGO	OR	Klamath Falls – Slogan "NewsTalk 1150," adds // K225CW-92.9; drop Group.
	WELC	WV	Welch – Group to Grp= Willie 94.5 (ex-Grp= Willie 97.3).
1160	WCFO	GA	East Point – Adds // W290AS-92.5. (FCC)
	KCTO	MO	Cleveland – Slogan & Group to Grp= La Mega 1160.
1180	WSQR	IL	Sycamore – Slogan & Group to Grp= The Squirrel.
1200	WSML	NC	Graham – Format to C&W (ex-SPT); nets to Nc; Grp= The Triad's Sports Hub.
1220	WKTZ	FL	Jacksonville – Slogan & Group to Grp= American Family Radio.
1230	WBET	MI	Sturgis – Adds // W259CR-99.7. (FCC)
	WSSO	MS	Starkville – Slogan to "1230 The Team."
	KELY	NV	Ely – Slogan & Group to Grp= Nevada News Talk Network. (BH)
1240	KSOX	TX	Raymondville – Slogan to "Radio Vision Hispana." (BH)
	WOMT	WI	Manitowoc – Format to AC/TLK (ex-AC); slogan to "The Lakeshore's Good Neighbor," networks to C/Wi/. (BH)
1250	KRRD	AR	Fayetteville – Slogan & Group to Grp= Red Dirt Country 106.1. (RD)
	KIKC	MT	Forsyth – Adds // K233BL-94.5. (FCC)
	WYKM	WV	Rupert – Slogan to "Your Country Tradition."
1280	KCOB	IA	Newton – Slogan to "Your Hometown Station."
1290	WBTG	AL	Sheffield – Adds // W290CZ-105.9. (FCC)
	KCUB	AZ	Tucson – Slogan to "Wildcats Radio 1290."
1300	WOSW	NY	Fulton – Adds // W253BZ-98.5.
	KKUB	TX	Brownfield – Networks to GRN.

1310	KZYP	AR	Malvern – Slogan & Group to Grp= Classic Hits 1310 (ex-Grp= Fox Sports Radio Arkansas).
	WXMC	NJ	Parsippany-Troy Hills – Format to SS:REL (ex-Asian); Networks to RCN; Group to Grp= WXMC Group (ex-Grp= Radio Chai).
	WNAE	PA	Warren – Adds // W244DY-96.7; delete // W256DE-99.1. (FCC)
	WGH	VA	Newport News – Format to UC:OLD/TLK (ex-OLD); slogan to "1310 The Power," networks to SRN.
	KZXR	WA	Prosser – Adds // K237GY-95.3.
1320	WJAS	PA	Pittsburgh – Adds // W256DE-99.1. (FCC)
1330	WHGM	MD	Havre de Grace – Format to OLD (ex-CLR); Group to Grp= WHGM Gold; delete Slogan & Group Grp= Smash Hits FM.
1340	KZNG	AR	Hot Springs – Adds // K288FP-105.5. (FCC)
	KSEK	KS	Pittsburg – Slogan to "The Sports Edge."
	WPOL	NC	Winston-Salem – Slogan & Group to Grp= The Light 1340 & 1400.
	WKRM	TN	Columbia – Adds // W279DL-103.7. (FCC)
1350	KSRO	CA	Santa Rosa – Slogan & Group to Grp= Sonoma County's FM News Talk.
	WINY	CT	Putnam – Adds // W246DN-97.1. (FCC)
1380	WTMC	DE	Wilmington – Adds // W253CQ-98.5. (FCC)
	KAGE	MN	Winona – Slogan to "Real Country KHWK," delete networks.
	KRCM	TX	Shenandoah – Slogan & Group to Grp= Vida 1380. (GH)
1390	KDQN	AR	De Queen – Adds // K283CT-104.5. (FCC)
	KFFK	AR	Rogers – Format to C&W (ex-SS:MEX); slogan & Group to Grp= Red Dirt Country 106.1. (RD)
	WROA	MS	Gulfport – Format to C&W (ex-NOS); slogan to "Merle 100.1," drop networks.
	WMCT	TN	Mountain City – Slogan to "The Mountain."
1400	KWYN	AR	Wynne – Slogan & Group to Grp= K Wynne Classic Country.
	WFPR	LA	Hammond – Adds // W279DB-103.7.
	WQXO	MI	Munising – Adds // W249DR-97.7; delete // W248BU-97.5. (FCC)
	KNNR	NV	Sparks – Slogan & Group to Grp= Nevada News Talk Network. (BH)
	WKEW	NC	Greensboro – Slogan & Group to Grp= The Light 1340 & 1400.
1410	KLVQ	TX	Athens – Format to CLR (ex-REL); delete slogan.
1420	KBHS	AR	Hot Springs – Delete // K288FP-105.5. (FCC)
	WKWN	GA	Trenton – Slogan & Group to Grp= 1420 KWN.
	KKEA	HI	Honolulu – Adds // K224FR-92.7. (FCC)
	KJCK	KS	Junction City – Format to CLR (ex-NWS/TLK/SPT); slogan to "The Greatest Hits of all Time," delete networks.
	KGNB	TX	New Braunfels – Adds // K276GR-103.1. (FCC)
	WRSA	VT	Saint Albans – Format to OLD (ex-BIZ); delete networks.
	WUKQ	PR	Ponce – Slogan & Group to Grp= 580 WKAQ (ex-Grp= Radio Reloj).
1440	KPUR	TX	Amarillo – Slogan to "Sports Radio 1440," adds // KNSH-1550.
	WKLV	VA	Blackstone – Slogan to "Oldies 92.7."
1450	KSKE	CO	Buena Vista – Format to CLR (ex-C&W).
	WAOV	IN	Vincennes – Adds // W249DC-97.7. (FCC)
	WHLS	MI	Port Huron – Slogan to "Rock 105.5," delete networks; adds // W288BT-105.5; delete Grp= Rock 105.5.
	WNOS	NC	New Bern – Adds // W280ED-93.7; delete // W298BX-107.5. (FCC)
	WCRS	SC	Greenwood – Slogan to "The Talk of Greenwood." (BH)
	WTSA	VT	Brattleboro – Format to CCR/Rock (ex-SPT); slogan to "99.5 The Beast," delete networks; add // W258DQ-99.5.
1460	WKAM	IN	Goshen – Slogan & Group to Grp= La Raza 98.1 1460 & 1580 (ex-Grp= La Raza 1580).
	WBMS	MA	Brockton – Adds // W247CB-101.1. (FCC)
	WIFI	NJ	Florence – Format to CCR (ex-GOS); slogan to "Life Changing Radio."
1470	KFMZ	MO	Brookfield – Slogan & Group to Grp= Today's Best Mix.
	WSAN	PA	Allentown – Format to TLK (ex-SS:SPT); slogan to "The iHeartPodcast Channel," delete networks.
	KWRD	TX	Henderson – Slogan to "The Heartbeat of East Texas." (BH)
1480	KRXX	ID	Gooding – Delete // K267AE-101.3. (FCC)
	KLVL	TX	Pasadena – Format SS:REL (ex-UC); slogan & Group to Grp= Vida 1380. (GH)
1490	WBGA	GA	Brunswick – Format to UC:GOS (ex-UC:AC); slogan to "Hallelujah 96.3."
	WSFB	GA	Quitman – Networks P/SRN/CMP/WW1; slogan & Group to Grp= Talk 92.1.
	WMPX	MI	Midland – Format to C&W (ex-AC); slogan to "107.7 The Highway," adds // W299CK-107.7. (JJR) (HF)

- WANG MS Biloxi** – Format to C&W (ex-NOS); slogan to "The Possum," delete networks; adds // W278CE-103.5; delete Group to Grp= The Champ.
KTTR MO Rolla – Format to CCR (ex-AC); slogan to "Shine 104.9," networks to A/Mo.
WWNB NC New Bern – Delete // W280ED-93.7. (FCC)
WIGM WI Medford – Format to C&W (ex-SPT); slogan to "Kickin' Country," networks to Wi; adds // W296DL-107.1.
1510 KCTE MO Independence – Slogan to "ESPN 1510 AM 94.5 FM," adds // K233DM-94.5; delete // K257DZ-99.3. (FCC)
KOAZ NM Isleta – Slogan & Group to Grp= 103.7 The Oasis.
WLGN OH Logan – Slogan to "103-3 LGN."
1520 WTRI MD Brunswick – Format to VAR (ex-Asian); slogan & Group to Grp= Stereo 103.3 (ex-Grp= Radio Chai).
1530 WYGR MI Wyoming – Slogan & Group to Grp= Jethro FM.
WJDM NJ Elizabeth – Delete // W248CG-97.5.
1540 WKXG MS Greenwood – Format to UC:GOS (ex-Silent).
1550 KUAZ AZ Tucson – Group to Grp= Arizona Public Radio.
KRZD MO Springfield – Adds // K298CI-107.5. (FCC)
KNSH TX Canyon – Format to SPT (ex-TLK); slogan to "Sports Radio 1440," networks to CS/Jr; adds // KPUR-1440.
1570 KTGE CA Salinas – Slogan to "Tigre."
KNDY KS Marysville – Adds // K231AX-94.1. (FCC)
WLEE MS Winona – Format to TBA (ex-SPT).
KTAT OK Frederick – Slogan to "Your Local Voice."
WLKD WI Minocqua – Format to AC/OLD (ex-AC/EZL); networks to A/Wi/Bf. (JJR)
WPPC PR Peñuelas – Adds // W221EB-92.1. (FCC)
1580 WHLY IN South Bend – Slogan & Group to Grp= La Raza 98.1 1460 & 1580 (ex-Grp= La Raza 1580).
1590 WHLX MI Marine City – Format to Americana (ex-Rock); slogan to "The Hills," adds // W224DT-92.7; delete Grp= Rock 105.5.
WPSN PA Honesdale – Slogan & Group to Grp= Wayne Pike News Radio (ex-Grp= Headline News 104.3 and 1590).
1600 WPOM FL Riviera Beach – Adds // W266DP-101.1. (FCC)
1640 WTNI MS Biloxi – Slogan to "The Champ," delete Group.
1660 WGIT PR Canovanas – Adds // W266CF-101.1. (FCC)
1690 WVON IL Berwyn – Adds // W252AW-98.3. (FCC)

New Groups

- Grp= 103.7 The Oasis – KOAZ-1510, K279BP-103.7, K292FW-96.7
 Grp= 1420 KWN – WKWN-1420, W267CX-101.3, W291CF-106.1
 Grp= Accion 97.9 – WRSO-810, W250CE-97.9, W231CT-94.1
 Grp= American Family Radio – WKTZ-1220, W252DJ-98.3, W270CD-101.9
 Grp= Arizona Public Radio – KUAZ-1550, KUAZ-FM-89.1, K227DE-93.3
 Grp= Jethro FM – WYGR-1530, W258DF-99.5, W235BN-94.9
 Grp= K Wynne Classic Country – KWYN-1400, K238BN-95.5, K275BR-102.9
 Grp= La Estación de la Familia 940 – KDIL-940, K267AE-101.3, K232FO-94.3
 Grp= La Mega 1160 – KCTO-1160, K257DZ-99.3, K263BU-100.3
 Grp= Living Bread Radio – WILB-1060, WILB-FM-89.5, W233CE-94.5
 Grp= Nevada News Talk Network – KELY-1230, KNNR-1400, KPKK-101.1, KNNT-98.5, KAVB-98.7 (BH)
 Grp= Reach Radio - KCEE-690, K265CW-100.9, K237FX-95.3
 Grp= Red Dirt Country 106.1 – KRRD-1250, KFFK-1390, K291CK-106.1 (RD)
 Grp= Sonoma County's FM News Talk – KSRO-1350, K278CD-103.5, K222CV-92.3, K233CM-94.5
 Grp= Stereo 103.3 – WPRB-103.3, WTRI-1520, W269DH-101.7
 Grp= Sunny 97.7 – WMRX-FM-97.7, WMPX-1490, W299CK-107.7
 Grp= The Light 1340 & 1400 – WPOL-1340, WKEW-1400, W242CD-96.3
 Grp= The Squirrel – WSQR-1180, W273CZ-102.5, W263BM-100.5, W225CC-92.9
 Grp= Today's Best Mix – KFMZ-1470, KZBK-96.9, K241BT-96.1
 Grp= Very Inspiring Programing – KVIP-540, KVIP-FM-98.1, K254CN-98.7
 Grp= Vida 1380 – KRCM-1380, KLVL-1480, K235CS-94.9, K260DD-99.9 (GH)
 Grp= WNYH Group – WNYH-740, W264DG-100.7, W292DV-106.3
 Grp= WXMC Group – WXMC-1310, W248CG-97.5, W232CY-94.3

Group Changes

Grp= Cannonball 101 adds K266BY-101.1 Pocatello
 Grp= Country Classics 1290/102.9 adds K243CJ-96.5 Pocatello
 Grp= Effingham NewsTalk adds W242CK-96.3 Effingham
 Grp= Haitian Radio adds W282BG-104.3 Grants
 Grp= Mega 99.5 adds W295CR-106.9 Allentown
 Grp= Hits & Giggles 98.5 & 95.7 becomes Blazin' 98.5
 Grp= The Greatest Hits of All Time adds W238CU-95.5 Union City
 Grp= The River 107.7 adds W221CO-92.1 Lewisburg
 Grp= The Sports Animal – Tulsa adds K260CR-99.9 Sapulpa
 Grp= The Triad's Sports Hub drops WSML-1200 and W283BT-104.5
 Grp= WALK-FM adds W257EK-99.3 Charleston

**Group Name Changes**

Grp= Fox Sports Radio Arkansas becomes Classic Hits 1310
 Grp= Headline News 104.3 and 1590 becomes Wayne-Pike News Radio
 Grp= La Raza 1580 becomes La Raza 98.1 1460 & 1580
 Grp= Radio Reloj becomes 580 WKAQ
 Grp= Smash Hits FM becomes WHGM Gold
 Grp= Willie 97.3 becomes Willie 94.5

**Deleted Groups**

Grp= HPRN
 Grp= Joy FM Real Music Real Life
 Grp= Rock 105.5
 Grp= Radio Chai
 Grp= The Champ

Thanks to Shawn Axelrod, Bill Hale (BH), FCC Database (FCC), Rick Dau (RD), Glenn Hauser (GH), John J. Rieger (JJR), and Harold Frodge (HF).

FCC Silent Station List

93 stations on the FCC web site as of March 15, 2019 – often less than 100% accurate.

580 KANA-MT		WFPB-MA	1360 WHCG-GA	KJNT-WY
620 KWAL-ID	1190	KJJI-AR	KELE-MO	1500 WKIZ-FL
710 WFNR-VA	1220	KLBB-MN	1380 WWNT-NC	WAKE-IN
750 WBMD-MD		WREV-NC	1390 WPLM-MA	WQMS-MS
780 KCEG-CO	1230	WRJX-AL	1400 KWNA-NV	1510 WQQW-IL
790 KKON-HI		KLXR-CA	KSRR-UT	WMEX-MA
840 WCEO-SC		KOBB-MT	1410 KQV-PA	WBSG-PR
850 KHLO-HI		KRRF-UT	1440 KPTO-ID	1520 WTHE-NY
880 WAMI-AL	1240	WULA-AL	1450 WZGX-AL	KQQB-TX
890 KJME-CO		KJAA-AZ	KSKE-CO	1530 WJDM-NJ
900 WABY-NY		WPTR-NY	KLMX-NM	1540 WJZI-IN
	1270	WMPM-NC	WMVA-VA	WKXG-MS
910 WSRP-NC		WHGS-SC	1460 KHRA-HI	1550 WKTF-GA
990 WRFM-IN	1280	KXEG-AZ	WBMS-MA	1560 KNDF-TX
1000 WCMX-MA	1290	WRPA-RI	1470 KAIR-KS	1570 KPRO-CA
1020 KCKN-NM	1300	KROP-CA	WWBG-NC	1580 WDAB-SC
1040 KGGR-TX		WFFG-FL	1480 WKGC-FL	1590 KLIV-CA
1080 KWAI-HI		KKLS-TX	WYZE-GA	WRXB-FL
	1310	KIQQ-CA	WRCK-NY	1620 WDND-IN
1090 KBOZ-MT	1320	WTOW-NC	WQTM-NC	1690 WMLB-GA
	1330	WCVC-FL	1490 KPCQ-ID	1700 WRCR-NY
1140 WMMG-KY		WSPQ-NY	WSTP-NC	
1160 WAIX-NY	1340	WTYS-FL	WPAK-VA	
1170 WQHC-AL	1350	WOAM-IL	KFKB-WA	

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

Domestic DX Digest – East

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

patria1818@yahoo.com

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

All times are Eastern Local Time (ELT)

REPORTERS

- BC-NH** **Bruce Conti, Nashua** – WiNRADiO Excalibur, 50 x 75-ft Super/Ewe antennas northeast and south.
- SC-IN** **Steve Chappell, McCordsville** – Homebuilt receiver, K9AY loop antenna
- TF-NH** **Tony Fitzherbert, Campton** – C Crane Radio 2E, Terk AM Advantage loop
- HJH-PA** **Harry Hayes, Wilkes-Barre** – C Crane Skywave, Kiwi Pocket Loop
- JK-WV** **Joe Kremer, Fairmont** – HQ180A, AOR LA400 Loop Antenna, Palomar Engineers LA-1 Loop Antenna
- KK-VA** **Kraig Krist, Manassas** – Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop
- TLK-FL** **Terry Krueger, Clearwater** – NRD-535, IC-R75, longwires, active loop
- GL-NH** **Ginnie Lupi, Concord** – CCRadio 2E and Select-A-Tenna
- CS-NY** **Caryn Sobel, New Paltz** – C Crane Skywave SSB
- RJS-OH** **Bob Schroeder, Cincinnati** – Yaesu FT-991A with random wire & MFJ 956 tuner; C Crane Skywave or XHDATA D-808, barefoot or with 2-foot box loop or 5.5 inch FSL.
- PS-ON** **Paul Snider, London** – C Crane Skywave SSB, Terk Advantage Loop
- JW-PA** **Jim Weber, Oyster Point** – Grundig S350
- MKB-ON** **Mike Brooker, Toronto** – Grundig YB-400PE, XHDATA D-808, Sony SRF-39FP, C Crane Skywave, Panasonic RF-2200

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

Friend me on Facebook! www.facebook.com/keval.mike

DX TEST

- 1430 WION MI Ionia** – 2/24 0000 – Presumed in multi-station mix (CHKT, WDAL, WGFS, WKEX and WNSW) with signal test. Unfortunately, only things I heard were tones in the upper and lower sidebands of 1430. These tones were repeated several times. **(KK-VA)**
- +++ 2/24 0058 – Through CHKT; tail end of testing with 400 Hz tone heard until 0058:30. **(BC-NH)**



UNID

- 799.997 unID** -- – 2/26 2127 – Het approximately on this frequency, against WPLK and TWR-Bonaire. Pointing mostly N/S so could be domestic or Latin America. **(TLK-FL)**
- 1200 unID** -- – 3/1 1714 – Mixing with WJXY, WSML, WXKS and WRKK, male "1200 AM and 95.1 FM..." **(KK-VA)**
- 1290 unID** -- – 3/8 1832 – In multi-station mix (WNBF, WFBG, WDZY, WWTX, CJBK, WNIL and UNID C&W songs), with "97 5 local radio" slogan. **(KK-VA)**

LOGGINGS

- 550 WKRC OH Cincinnati** – 3/3 0031 – Ads, "55 KRC" slogan, more talk, weather report "on 55 KRC" at 0034, into to Coast to Coast (Art Bell). Fair to poor with unknown oldies or nostalgic station, possible WIOZ? No sign of WGR. **(PS-ON)**
- 560 WFRB MD Frostburg** – 3/2 0740 – Slogan "The New Willie 106.7 and 560 AM" Country format. Fair steady signal. **(HJH-PA)**
- 590 WROW NY Albany** – 1/22 0631 – CBS News with woman, then man with local news and mention of Albany. "590 and 100.5" and "on I-890 westbound" by man at 0637, then weather by woman. Poor, lots of QRM. **(GL-NH)**
- 600 WICC CT Bridgeport** – 2/17 0645 – Chicago song, then "traffic and weather together on WICC" at 0546. Poor reception, regular CKAT missing. **(GL-NH)**
- CJWW SK Saskatoon** – 3/8 0707 – Under WMT with Country singer Trisha Yearwood song and // web stream. New. **(SC-IN)**
- 610 WCEH GA Hawkinsville** – 2/19 0615 – Presumed with ESPN sports talk, two males discussing currently injured players; lots of fading. **(CS-NY)**

- 640 WMFN IL **Peotone** – 2/25 2007 – Presumed with Polish music, male and female hosts, mixed with other stations, soon gone. **(TF-NH)**
- WCRV TN **Collierville** – 3/4 1827 – "Power Point" program with Jack Graham. Ads for data storage/protection company and for the movie "Unplanned." Spoken and sung "This is the Bott Radio Network". No call letters at the bottom of the hour, only "AM 640 and FM 100.7". **(RJS-OH)**
- CFMJ ON **Richmond Hill** – 1/23 0526 – Fighting with UNID SS and WWJZ, "this is Canada's all night conversation" by woman, then news, weather and an ad for asset protection. "On 640..." by man under lots of static, then traffic report mentioning Toronto area at 0540 and Cadillac ad with a .ca web address. **(GL-NH)**
- 670 WWFE FL **Miami** – 2/17 0453 – WSCR off. Two SS stations (one talk and one music) battling, then "this is WWFE, 670 AM" in EE by man at 0500. **(GL-NH)**
- 680 WPTF NC **Raleigh** – 2/18 0710 – Station ID into local/regional news with female broadcaster, then 24-hr local weather, discussion of vinyl floor health risks to children. **(CS-NY)**
- 720 WRZN FL **Hernando** – 3/5 2331 – With WGN partially nulled, heard clearly "...with Dr David Jeremiah", so obviously Turning Point program, heard more mentions of David Jeremiah and his website at the end of the program, missed ToH ID. Not a match to WGCR stream, not on WHYF schedule, but matched 11:30 slot on WRZN website. Very poor. **(PS-ON)**
- 870 WWL LA **New Orleans** – 3/5 1147 – A quick check late local morning to confirm they're covering the Fat Tuesday Mardi Gras Parade live. **(TLK-FL)**
- WLVP ME **Gorham** – 2/2 0642 – In discussion about STEM education, man says "not just for boys and men." Woman discussing a program that's in 112 schools in the US and other countries and says "we call them 'new collar jobs' at IBM." Lots of static and fading, back in at 0650 with discussion about tobacco. Singing ID "WLAM Remembers" followed by Al Anon ad and "The Memories Station" at 0700. **(GL-NH)**
- WKAR MI **East Lansing** – 2/26 1815 – Over CJBC-860 slop with news about Trump's trip to Vietnam, mention of Michigan Public Radio and wkar.org promo. **(MKB-ON)**
- 890 WFKJ PA **Cashtown** – 3/12 1903 – Gospel music, woman announcer ID'ing "The new W--J", into more praise music, gone by 1910. **(TF-NH)**
- 910 WSBA PA **York** – 3/6 0731 – Over noise floor and graveyard-like mush with "WSBA news time is 7:31" into local weather. **(MKB-ON)**
- 920 WURA VA **Quantico** – 3/12 1843 – Spanish rock, two animated SS announcers, alone on the frequency with no WHJJ. **(TF-NH)**
- 930 WGAD AL **Rainbow City** – 2/24 2117 – Clear ID as "WGAD Rainbow City, Gadsden" and into Good Time Gold show: The Crystals, Jimi Hendrix, CCR, etc. **(RJS-OH)**
- WPAT NJ **Paterson** – 2/24 2035 – Spanish music with deep fades mixed with WPKX and WBEN. WPAT is directional away from here while WPKX and WBEN are directional in this direction. **(TF-NH)**
- 950 WAKM TN **Franklin** – 2/26 1848 – On top of mix with Patsy Cline's "Walkin' After Midnight" followed by "AM Nine-Fifty Home Town Radio" slogan and Johnny Cash with "One Piece at a Time." Confirmed via // stream. Losing to WWJ by 1900. **(RJS-OH)**
- +++ – 3/2 2310 – In well tonight with C&W, "...WAKM..." ID at 2312, "Don't Come Home A-Drinkin" by Loretta Lynn, "Hometown Radio WAKM" ID at 2315, ads. Fair to poor on top of nulled WWJ. **(PS-ON)**
- 960 KMA IA **Shenandoah** – 3/4 2028 – Local ad for pharmacy serving Southwest Iowa. Local weather and positive ID at 2031. Back into Dave Ramsey show. **(RJS-OH)**
- WFGL MA **Fitchburg** – 2/21 1831 – Christian music, singing about Jesus, no usual WELL, atop frequency for several minutes. **(TF-NH)**
- 980 WTEM DC **Washington** – 2/26 1905 – "ESPN Radio" announcement into Golic and Wingo at 1906 discussing NBA teams and playoff possibilities. Gone by 1915. **(RJS-OH)**
- 1000 WIOO PA **Carlisle** – 2/20 1709 – Country music, mixed with other stations, abruptly gone at 1719 with no sign off message. **(TF-NH)**
- 1020 WRIX SC **Homeland Park** – 3/10 2127 – "With one big jam session...Electric City Bluegrass" slogan, overriding KDKA for minutes at a time with bluegrass

music. "Hey everybody! This is Becky Buller and you are plugged into Electric City Bluegrass here at WRIX 104.7 FM and 1020 AM in Anderson, South Carolina where the grass is always greener" ID and slogan. **(JK-WV)**

- 1030 WDRU NC **Creedmoor** – 3/2 0628 – End of Christian block talk, SRN news from 0630, female "AM 1030 The Truth, FM...The Truth, AM 1030, WDRU." Into another Christian block talk. **(TLK-FL)**
- 1050 WFSC NC **Franklin** – 2/22 1808 – ID as "104.9 WFSC" into Rolling Stones "Start Me Up." New. **(SC-IN)**
- 1070 WNCT NC **Greenville** – 3/8 0651 – Male "Good morning, you're listening to North Carolina's original Beach, Boogie and Blues..." into local ads, in nulls of WFRF and WNVY. **(TLK-FL)**
- 1080 WFTD GA **Marietta** – 3/1 0647 – "La Mega" slogan often between modern tropical Spanish vocals, post-local sunrise. **(TLK-FL)**
- 1090 WCZZ SC **Greenwood** – 2/26 0642 – Fox Sports Radio promo for the Dan Patrick Show, ID. Fair in KAAY null. **(TLK-FL)**
- 1110 KFAB NE **Omaha** – 3/1 0640 – Washington political events, A1 United Heating & Air sponsored traffic update, "News Radio 1110 KFAB" then snuffed at 0646 by my local D1 WTIS abrupt power-up. **(TLK-FL)**
- 1120 KMOX MO **St. Louis** – 2/18 0530 – Over near-local WBBR-1130 slop, ads for local construction supplier in St. Louis; partial station ID shortly after half-hour. **(CS-NY)**
- WKAJ NY **St. Johnsville** – 2/23 0607 – "Don't let your Babies grow up to be Cowboys" and other C&W songs, then "1120 AM WKAJ" by man at 0615. Very faint with lots of fading. **(GL-NH)**
- 1140 WURF FL **Orlando** – 2/26 0651 – Long string of local ads in SS for Orlando and Altamonte Springs stores into sports roundup in Spanish. Way atop all the Cubans and WQBA at this post-sunrise. **(TLK-FL)**
- 1150 WMRD CT **Middletown** – 2/24 0613 – Man interviewing woman about Fresh Air Fund in CT. Lots of QRM, confirmed online. **(GL-NH)**
- WGBR NC **Goldsboro** – 2/22 1818 – In multi-station mix (WDEL, WAVO, WNLR and CKOC) with male "98 3 WGBR" ID. **(KK-VA)**
- WMNY PA **New Kensington** – 3/11 1849 – Very good signal with Hindi music and many "Radio Dhoom" slogans. **(JK-WV)**
- WGOW TN **Chattanooga** – 3/11 0500 – Faded up, out of a jumble, with news, "News Radio WGOW" ID and several other mentions of "WGOW." **(JK-WV)**
- WNLR VA **Churchville** – 2/22 1756 – In multi-station mix with male "New life radio WNLR" ID. **(KK-VA)**
- 1160 WYDU NC **Red Springs** – 2/22 1900 – In multi-station mix (WMET, WCCS, WOBBM and UNID C&W station) with Gospel singing, male "WYDU Red Springs. WYDU1160.com" ToH ID. **(KK-VA)**
- 1200 WXKS MA **Newton** – 3/1 0758 – In WSML/WRKK/WJXY mix with station promo: "This is Fox's new home for...WXKS...right here on Boston's home for conservative talk." **(KK-VA)**
- WRKK PA **Hughesville** – 3/1 1713 – In WSML/WXKS/WJXY mix with male "Rock 94 9 Williamsport's real rock." **(KK-VA)**
- WJXY SC **Atlantic Beach** – 3/1 1817 – In WSML/WXKS/WRKK mix with male "The new 103 5 Rejoice FM." **(KK-VA)**
- 1220 WGNV NY **Newburgh** – 2/20 1655 – Old rock music, the "Weather through next Tuesday on 1220", more rock oldies, finally an ID as "The greatest music ever recorded, 24 hours a day on 98.9, 1220, and 105.3", into more oldies. Unusual as the day signal is directional west. **(TF-NH)**
- 1230 WCMC NJ **Wildwood** – 3/1 1753 – In multi-station mix (WBLQ, WFVA, WJOI and presumed WENY) with oldies and station promo: "Going back...your radio home for the 'Fighting Phils'...100 point 7 WPXL". This was a promo for Philadelphia Phillies baseball. **(KK-VA)**
- WENY NY **Elmira** – 3/1 1900 – Presumed in multi-station mix with high school basketball. No station ID heard but did hear mentions of Elmira as one of the teams. **(KK-VA)**
- WCRO PA **Johnstown** – 3/13 0725 – PSAs for the Commonwealth of Pennsylvania and for the Pennsylvania State Athletic Commission, "1230 WCRO" ID and song "Mona Lisa" Weak signal with fading. **(JK-WV)**

- WBLQ RI **Westerly** – 3/1 1834 – In multi-station mix with local ad for "Pat's Auto Center in Westerly, Rhode Island". **(KK-VA)**
- 1240 WWCO CT **Waterbury** – 3/1 1806 – In multi-station mix with Hispanic male "Insista WRYM W297BT..." ID in EE. According to FCC FM query W297BT is used with 840 AM WRYM. This is actually WWCO as the "Viva" slogan used by WRYM matches the WWCO slogan. **(KK-VA)**
- WSNJ NJ **Bridgeton** – 3/1 1859 – In multi-station mix, female with local weather: "...a light jacket is all you will need...in South Jersey. Enjoy this Spring like weather in the middle of February [sic]...a great way to kick of President's day weekend [sic]...". I'm hearing this on Friday, March 1st, and they are replaying things from February 15th! **(KK-VA)** *Thanks to voice-tracking and automation there likely wasn't a live human being in WSNJ's studio. Mike.*
- WWWC NC **Wilkesboro** – 3/1 1931 – In multi-station mix with male "...that's your forecast presented by...right here on 3WC". **(KK-VA)**
- WOON RI **Woonsocket** – 3/1 1800 – In multi-station mix (WCNC, WWCO, WSNJ, WWWC, and slew of UNIDs: CBS Sports, Chinese or Korean talk, and a couple other talkers in EE) with male "This is WOON Woonsocket Rhode Island AM and FM. Now news..." ToH ID. **(KK-VA)**
- 1250 WLEM PA **Emporium** – 3/8 1757 – In WPGP/WTMA/CJYE/WARE mix with oldies, female "Town radio 12-50 WLEM Emporium" ID. **(KK-VA)**
- CJYE ON **Oakville** – 2/26 0608 – "Online...joyradio.ca" popped out of jumble, then My Pillow ad. "...on Fridays at 3 PM on Joy Radio" by man, "on Hometown Christian Radio" by woman. Poor. **(GL-NH)**
- 1260 WKXR NC **Asheboro** – 3/8 1823 – In multi-station mix (WSPZ, WRIE, CKHJ, WSUA, UNID talk and classic music) with C&W songs, "Every Monday...94 point 9 WKXR" station promo. New station for me. **(KK-VA)**
- WRIE PA **Erie** – 3/12 1925 – Erie Otters hockey broadcast (vs. Mississauga). Good signal with fading, co-channel with classical music (possibly WWVT). **(JK-WV)**
- CKHJ NB **Frederickton** – 3/8 1728 – In multi-station mix also with C&W songs (see WKXR logging above), female "103 point 5 KHJ" slogan. **(KK-VA)**
- 1270 WTSN NH **Dover** – 3/8 1729 – Presumed in multi-station mix with local ad for "Perfect Smiles 603 595-6699 in Nashua", ad for New Hampshire lottery into CBS news. **(KK-VA)**
- WHLD NY **Niagara Falls** – 3/8 1822 – In multi-station mix (WCBC, WTSN, WQTT, WDLA, more oldies and religious singing) with CBS sports, station promo: "This is Buffalo's home for the CBS sports radio network. This is sports radio 12-70 'The Fan'." **(KK-VA)**
- WDLA NY **Walton** – 3/8 1900 – In multi-station mix with male "WDLA AM 12-70 Walton, WCHN AM 9-70 Norwich and WDOS AM 7-30 Oneonta..." ToH ID. **(KK-VA)**
- 1280 WJYE ME **Gardiner** – 2/20 1650 – Atop on frequency, easy listening music, ID by Bob Bittner as "The Memory Station, AM 1280 WJYE" and an invitation to listen between 9:00 pm and 5:00 am to softer, lighter music (to help one sleep?), mixed with Spanish from WADO. Bob's WLAM and WJYE cover the same area so different music on the two stations is a good idea. **(TF-NH)**
- 1290 WNBF NY **Binghamton** – 2/28 0511 – Chronos ad, Page Publishing ad mentioning 1-800-501-3689 phone number, then faded. Back at 0513 with "Newsradio 1290 WNBF" by man. Poor. **(GL-NH)**
- +++ – 3/8 1834 – In multi-station mix (WFBG, WDZY, WWTX, CJBK, WNIL and UNID C&W songs) with male "The news radio 12-90 WNBF forecast..." **(KK-VA)**
- 1300 WAVZ CT **New Haven** – 3/1 0625 – Two men discussing a crime. Lots of fading into WGDJ, WQPM and one other, then "weather with Chief Meteorologist Gil Simmons" at 0628. Internet search shows he's on WTNH-TV, Hartford/New Haven. **(GL-NH)**
- WGDJ NY **Rensselaer** – 3/3 0800 – Over in-state rival WXRL groundwave, "this is AM 1300 WGDJ...positive talk" ToH ID into ABC news. **(MKB-ON)**
- 1310 WDXI TN **Jackson** – 2/26 2045 – Poor, with oldies hits sometimes fading up to intelligibility, but never totally above the mix. Confirmed via // stream. **(RJS-OH)**
- 1350 WNLK CT **Norwalk** – 2/20 1640 – African American female preacher, mixed with WOYK, WINY, and others; too early for WGPL. **(TF-NH)**

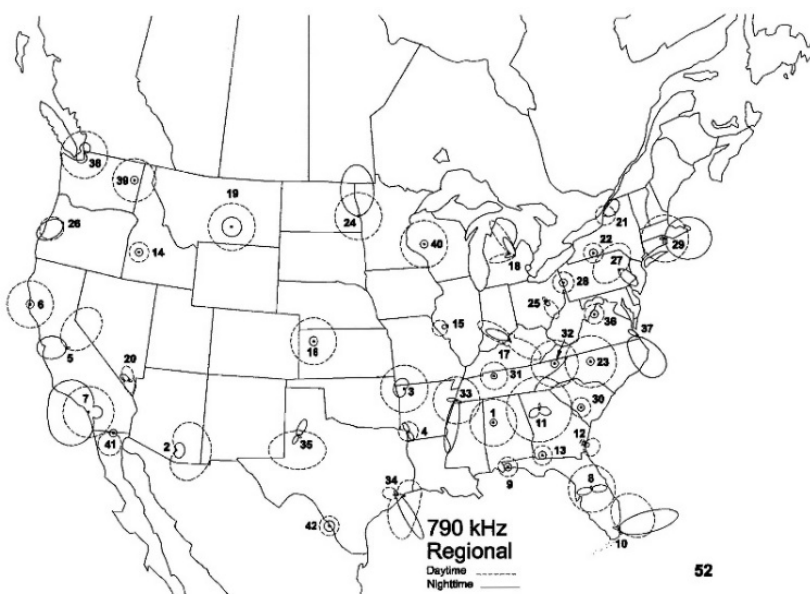
- 1370 WXXI NY Rochester – 3/13 0549 – NPR news at this time with nice call sign ID in the clear. (JW-PA)
- WTAB NC Tabor City – 3/12 2222 – Call sign ID at this time. Country music off and on until 2100. Honky Tonk song then ID again at 2246. Clear ID on the hour. (JW-PA)
- 1400 WSTC CT Stamford – 3/11 1900 – Church announcements, all with a 203 area code for southwest Connecticut, for churches in Bridgeport and Stamford, soon gone. (TF-NH)
- 1430 WDAL GA Dalton – 2/24 0053 – In multi-station mix (CHKT, WKEX, WGFS, WNSW and presumed WION test) with male "98 3 bulldog country" slogan. (KK-VA)
- WKEX VA Blacksburg – 2/24 0100 – In multi-station mix with male "Classic hits WKEX Blacksburg" ID. (KK-VA)
- 1440 WHKZ OH Warren – 3/8 0435 – Conservative religious based anti-Democratic diatribe on "WHKZ The Word" from 0435 to the top of the hour. (JW-PA)
- WNPV PA Lansdale – 2/20 1715 – Talk about North Penn Hospital which is in Lansdale. I know it well as I had a hernia operation there in 1977. (TF-NH)
- WKLV VA Blackstone – 3/9 0340 – In for a while with oldies format. Checked against web stream. Margaritaville" by Jimmy Buffett at this time followed by Jerry Lee Lewis with a "Whole Lot of Shakin' Goin' On". (JW-PA)
- 1450 WKAL NY Rome – 3/11 0642 – In extremely briefly with "WKAL" call sign ID at this time. (JW-PA)
- 1480 WZRC NY New York – 3/12 1914 – Way atop over WSAR with Chinese talk. (TF-NH)
- 1510 WRNJ NJ Hackettstown – 2/10 0614 – Ad for someone on Saturday mornings, then "on your local station, RNJ" by man. Very poor, several stations at once. (GL-NH)
- 1550 WZUM PA Braddock – 3/2 1816 – Over usual CBEF with big band tunes, "we at WZUM are pleased to broadcast the Pittsburgh Show..." promo. (MKB-ON)
- CBEF ON Windsor – 2/27 2105 – All alone with French talk, no sign of usual WSDK or the other religion outlets found on this frequency. (TF-NH)
- 1580 WLIM NY Patchogue – 3/1 0312 – Slogan "The Breeze" at this time then into local weather report. "Nobody Told Me" by John Lennon follows. (JW-PA)
- 1590 WCGO IL Evanston – 2/20 2100 – Weak to fair signal with others. Call ID heard then into locally originated political talk program. Promo for a jazz music program at 11 PM. New. (HJH-PA)
- 1670 WMGE GA Dry Branch – 2/15 0644 – CJEU off. Sports discussion, then "speedway...in the heart of Georgia" at 0645. "Sports 1670" by woman at 0648, then "Fox Sports Network". Poor, alternating with UNID TIS/HAR. (GL-NH)
- 1690 CHTO ON Toronto – 2/24 2207 – Greek music, woman with English ID "AM 1690 Toronto". (JK-WV)
- 1700 KBGG IA Des Moines – 2/24 0646 – CBS Sports Talk, "John Kincaide Show," "KBGG 1700" ID. (JK-WV)

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 \$26.95 for members and \$32.95 for nonmembers. Canadian orders are US\$40.25 and all other countries are US\$51.25 both shipped Global Priority Mail.

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



Domestic DX Digest – West

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

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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

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)!! Your cooperation is much appreciated. Reports older than 30 days will be excluded at the editor's discretion.

Oh . . . I gave up on pop music circa 1985 or thereabouts, so if you include a song and artist in your logging, please specify which is which (Thanks, RD and JS), as some are difficult to decipher.

Upcoming deadlines for Issues 14 and 15: Thursday, April 4 and 25, respectively.

Submit your loggings and see your name in print!! Good DX to ALL! Good DX to ALL!

REPORTERS

- SMA-MB** Shawn Axelrod Winnipeg, Manitoba RX: ICOM ICR70 / Drake R8 / SDRPLAY RSPduo; Antennae: 3-foot un-amplified box loop / Quantum QX Loop v2.0 / 155 Foot U-shaped outdoor wire / 100-foot indoor wire run around the basement walls / MFJ 1026 Phasing unit
- RD-KS** Rick Dau South Omaha, Nebraska DXing on the Overland Park, Kansas KiwiSDR
- JJR-WI** John J Rieger South Milwaukee, Wisconsin Icom IC-R75, MFJ-959B tuner, pre-amp, Kiwa loop
- JS-MN** Jeff Steffes Watertown, Minnesota Drake R8, Kenwood R-2000, Quantum Loop, Quantum Phaser and Modified Quantum Loop
- JW-CO** John Wilkins Wheat Ridge, Colorado Drake R-8, 4-foot box loop
- RV-TX** Robert Vance El Paso, Texas WinRadio G33DDC, various indoor and outdoor loop antennas

RIEGER'S DIGEST

- 1460 WJTI WI West Allis – 2/26 0642 – Running Open Carrier (again!), leaving KXNO. Moved on. (JJR-WI) [1460 may be worth a try if WJTI bugs you! – Ed.]

DX LOGGINGS

0600-1800 ELT

- 550 KFYI AZ Phoenix – 3/10 0856 – Local ad popped, then ID at 0859: "We are the Valley's Fox News station. This is News-Talk 5-50, KFYI . . .", and into Fox News. Another ID at 0902 after a station promo, then local weather: ". . . from the Fox 10 Weather Team", then paid financial programming after station disclaimer. (RV-TX)
- 550 KLLV CO Breen – 3/10 0830 – With soft instrumental music and ID by woman at 0831: "This is the sound of love, KLLV, Breen" and then [she] read a passage from the Bible, and more instrumental music. Caught another ID by woman at 0856. (RV-TX)
- 580 KSAZ AZ Marana – 3/7 0755 – 'Musica de alabanza' with exuberant audience; gal with legal ID at 0802: "You are listening to 580 AM KSAZ Marana-Tucson, 1150 AM, KCKY Coolidge-Phoenix" and back to the same upbeat SS religious music. Oddly, no mention in the ID of KASA-1540, which I thought was the flagship of the Radio Casa group. Fair/good signal, topping KUBC. (JW-CO)
- 580 WHYM TN Rockwood – 3/12 0716 – Poor, with "Radio 580" and "The Holler" mentions. "Hard Look" feature at 7, 12 and 4 daily". (JJR-WI)
- 600 WSJS NC Winston-Salem – 3/11 0657 – Very poor, with ". . . by the North Carolina department of . . ." and "North Carolina High School Athl etc . . ." cut through. (JJR-WI)
- 630 WLAP KY Lexington – 2/26 0704 – Very poor, though clear calls in newscast. Possible CFCO in weeds. (JJR-WI)



- 690 **CBKF-1 SK Gravelbourg 2/26 0704** – Poor but in there, alone. Male, female anchors. “Chaine”. (JJR-WI)
- 730 **CKDM MB Dauphin – 3/3 0617** – C&W music and ID at 0621: “CKDM, The Parkland's best” between songs. Back in at 0627 with local weather by woman followed by ID by man: “. . . We're the Parklands' best, AM-730, CKDM”, then more C&W music. Plenty of IDs during the period. (RV-TX)
- 750 **WSB GA Atlanta – 3/11 0602** – With “WSB News” by man and woman: local weather, traffic, ad string at 0605. Basically the same news, weather, traffic, ads cycle followed after ad string. Local KAMA phased fairly easily at this time. (RV-TX)
- 750 **CKJH SK Melfort – 3/7 0700** – Out of AC music with a rare legal ID, followed by area news and weather (currently -22 degrees). Good signal. (JW-CO)
- 780 **WJAG NE Norfolk – 2/19 0859** – “Become a carrier for the Norfolk Daily News” and other area announcements; ToH ID by man: “Serving Antelope, Pierce and Madison Counties, this is northeast Nebraska's news station – News Talk WJAG Norfolk” and into Fox News. Generally fair. (JW-CO)
- 900 **CKBI SK Prince Albert – 2/26 0700** – Poor-to-Fair! With LID plus two FM frequencies (92.5 and 95.9) given. Almost local level! (JJR-WI)
- 950 **KWAT SD Watertown – 3/8 0834** – Fair, with mentions of Waverly, White River, Freeman, and Wagner during rundown of action in the South Dakota State High School girls basketball tournament. (RD-KS)
- 950 **WAKM TN Franklin – 3/12 0704** – Poor, with ad for 'Capital One', up-tempo jock, LID, “chilly temps” through others. (JJR-WI)
- 1020 **KMMQ NE Plattsmouth – 3/11 0749** – Poor, with lively SS and 'La Nueva' s logan. Lost to WPEO. KDKA gone. (JJR-WI)
- 1040 **CKST BC Vancouver – 2/26 0652** – Very poor, though steady and listenable, with WHO nulled. “ESPN TSN 1040”. (JJR-WI)
- 1050 **KLOH MN Pipestone – 2/25 0858** – Area announcements; no ID and into news at 0900:30. Fair, at best. (JW-CO)
- 1060 **KFIL MN Preston – 2/26 0649** – Very poor, though “FIL” popped out. 'Before the Last Teardrop Falls' by Freddie Fender. Never heard this early. (JJR-WI)
- 1060 **CKMX AB Calgary – 2/26 0649** – Poor, in fade up, with “Funny 1060, an I-Heart Radio Station” into comedy. (JJR-WI)
- 1070 **KHMO MO Hannibal – 3/11 0717** – Poor, with “I'm Bill Schuler, KHMO/K??? News. It's 6:17” over others. Steady. (JJR-WI)
- 1080 **WOAP MI Owosso – 3/11 0713** – Poor, with “103-1, the O”. In/out for a few minutes. 'The Love You Save' by the Jackson 5. (JJR-WI)
- 1110 **WGNZ OH Fairborn – 2/27 0756** – Poor, with KFAB nulled while chasing others, “WGNZ Power and Light” popped out! (JJR-WI)
- 1120 **KANN UT Roy – 3/3 0703** – Contemporary Christian music and ID: “KANN, Roy, Ogden, Salt Lake City” followed by religious program. (RV-TX)
- 1130 **KSDO CA San Diego – 3/10 0640** – With Spanish religious talk programming. Heard “Radio Inspiración” announcement and internet information showing a connection between the two. Caught the 'Radio Inspiracion' ID in Spanish at 0659 which also included 1390 in Los Angeles (KLTX per AM Query), and 1240 in San Bernardino (KEZY per AM Query), followed by a 'KSDO' ID in Spanish also mentioning 'Hi-Favor Broadcasting'. No mentions of Radio Nueva Vida; and the Radio Nueva Vida website no longer lists KSDO among its stations. (RV-TX)
- 1140 **KHFX TX Cleburne – 3/11 0659** – Caught Spanish ID: “Esta es, K-H-F-X (pronounced slowly and deliberately) once-cuarenta AM, Cleburne . . .” and then into either evangelic preaching or inspirational music. Sounds quite a bit like XEMR but without the DC hum. (RV-TX)
- 1150 **KWKY IA Des Moines – 2/26 0640** – Poor, in brief fade up, over WHBY. EWTN Rosary being recited. (JJR-WI) (again on . . .)
- 1150 **KWKY IA Des Moines – 3/11 0743** – Poor, with Rosary, while chasing others. No WHBY. Over others. Only fit. (JJR-WI)
- 1190 **KDMR MO Kansas City – 3/11 0711** – Poor, with “Catholic Catechism . . .” with Father Charles Connor. Over others. No WOWO. (JJR-WI)
- 1200 **KYOO MO Bolivar – 2/24 1321** – Fair, in KDMR splash, with ad for 'Pitts Chapel of Greenlawn Funeral Home' in Bolivar. (RD-KS)
- 1230 **KINO AZ Winslow – 2/22 0820** – Out of C&W with man announcer saying “. . . on 1230 KINO Winslow, Real Country time . . .” followed by an ad. Barely readable through the QRM. (JW-CO)



- 1230 KWNO MN Winona – 2/23 1759 – Good with clear “. . . KWNO, Winona” heard in legal ID. (RD-KS)
- 1230 KTNC NE Falls City – 2/24 1252 – Fair, with liner: “The Home of the Huskers, FM 107.1 and AM 1230, KTNC”, then into Three Dog Night's “One”. (RD-KS)
- 1230 KHAS NE Hastings – 2/22 0759 – LID, then CBS News, I think. Rough, in QRM. (JW-CO)
- 1240 KNEM MO Nevada – 2/24 1257 – Fair in heavy KYYS splash with St. Louis Cardinals spring training baseball pre-game show. A few Cardinals affiliates on 1240 shown on the 2019 list, but this one by far, is the closest to Overland Park and probably the only one on 1240 that can be heard in the middle of the day. (RD-KS)
- 1240 KFOR NE Lincoln – 2/26 0759 – Fair, with “KFOR” noted in legal ID; mention of “. . . I-80 near York” in news story at 0803. (RD-KS)
- 1270 WCMR IN Elkart – 3/13 0704 – Very poor, with “Solid Gospel 1270” and mention of “105.3” that popped out! (JJR-WI)
- 1270 KGNM MO St. Joseph – 2/27 0718 – Poor through others, “St. Joe's Classic Hits . . .”. 'The Warrior' by Scandal. (JJR-WI)
- 1310 WIBA WI Madison – 3/6 0712 – Fair, with time check: “1310 WIBA Newstime is . . .”. (RD-KS)
- 1320 WILS MI Lansing – 3/6 0706 – Very good with ending of newscast: “You can follow 1320 WILS on Twitter . . .”. (RD-KS)
- 1320 KHRT ND Minot – 3/3 0759 – Legal ID by man, sounding like “Solid Gospel for your heart KHRT Minot”. Poor copy in the mix. (JW-CO)
- 1350 KBRX NE O'Neill – 3/12 0832 – Fair, with mentions by male announcer of “Holt County”, “Boyd County”, and the upcoming St. Patrick's Day celebration in O'Neill. (RD-KS)
- 1360 KBKB IA Fort Madison – 2/26 0728 – Poor Fox Sports 104.5 and 1360 weather. . . clear and 17 w/others. (JJR-WI)
- 1360 WVRQ WI Viroqua – 2/26 0731 – Very poor, with Wisconsin Radio News, Wisconsin Radio Sports, local weather. “Vintage VRQ”. OLDies. (JJR-WI)
- 1370 WLLM IL Lincoln – 3/7 0656 – Poor, with 'where to send donations', program notes. Religious teaching, calls. (JJR-WI)
- 1380 WHEW TN Franklin – 3/12 0734 – Poor, though SS “Bonita” was cutting through. Logged as WIZO in 1995. (JJR-WI)
- 1380 CKPC ON Brantford – 2/26 0630 – Very poor, though clear calls and newscast. Chasing others. Not common. (JJR-WI)
- 1400 KLIN NE Lincoln – 3/8 0809 – Good, with “. . . on the Voice of Lincoln, 1400 KLIN” heard at the end of liner. (RD-KS)
- 1420 WHK OH Cleveland – 3/8 0650 – Poor, with “AM 1420 The Answer” after ad cluster. Alone; atop. (JJR-WI)
- 1440 KEYS TX Corpus Christi – 3/11 0717 – Promo after local ads: “14-40 KEYS (pronounced as word) proudly presents the Veterans Roundtable . . .” and into 'Roundtable' program. (RV-TX)
- 1450 KQYX KS Galena – 2/21 0838 – Atop, with Southern Gospel music, then ID: “. . . 1450 The Dove, where every day's a blessing”. (RD-KS)
- 1450 KWBW KS Hutchinson – 2/21 0830 – Fair, with ad for Hutchinson Funeral Chapel. (RD-KS)
- 1450 KNSI MN St. Cloud – 3/7 0637 – Poor. “KNSI AM 1450 – FM 99.3” and news stories in very brief fade in/out. (JJR-WI)
- 1450 KGFF OK Shawnee – 3/9 0759 – Atop with Gordon Lightfoot's “Sundown”, then legal ID: “. . . 1450 is KGFF, Shawnee”. (RD-KS)
- 1450 WDLB WI Marshfield – 2/26 0725 – Poor, with winter weather advisory. “Six inches due. Minus 1 at WDLB”, then lost. (JJR-WI)
- 1460 WKAM IN Goshen – 3/13 0804 – Poor, with lively SS. 'La Raza' sweeper 'tween songs. WJTI [again] had open carrier. (JJR-WI)
- 1460 KXNO IA Des Moines – 3/11 0702 – Poor, with “1460 KXNO, Des Moines' Sports Station” through WJTI's Open Carrier. (JJR-WI)
- 1480 KBXD TX Dallas – 3/1 0857 – Vietnamese chat, a bit of music, then legal ID: “You're listening to Viet Radio on KBXD 1480 AM, Dallas, Texas,” followed by ads in Vietnamese. Wish they'd make up their minds on a format. Fair signal, mixing with others. (JW-CO)
- 1490 KDMO MO Carthage – 2/27 0828 – Briefly over KTOP, with “. . . with all your favorite music, Fabulous 1490 KDMO” in liner by female, after “To All The Girls I've Loved Before” by Julio Iglesias and Willie Nelson. (RD-KS)



- 1490 WGEZ WI Beloit – 3/8 0735 – Very poor, with weather from “Fox 47” (Madison) and “. . . in Beloit” heard. Not heard in while (when WTIQ-MI is more common, I digress!). (JJR-WI)
- 1550 WIGN TN Bristol – 3/13 0651 – Poor, with Bluegrass and C&W totally killing the frequency! Calls. No CBEF. (JJR-WI)
- 1580 KCHA IA Charles City – 3/13 0729 – Poor, trading with KDOM, with calls and web info. No CKDO. OLDies. (JJR-WI)
- 1580 WJFK MD Morningside – 2/27 0743 – Poor, with “Honda . . . in Washington”, and other ads. Replacing CKDO. (JJR-WI)
- 1580 KDOM MN Windom – 3/13 0728 – Poor, with local host, chatter on Southern Minnesota and calls. No CKDO. (JJR-WI)
- 1600 KMDO KS Fort Scott – 2/24 1146 – Fair, in KPRT splash, with live read by female announcer regarding shuttle service to Topeka, phone # of 785-925-0261. Did some searching and found out that is the phone # of the American Legion Hall in Fort Scott. (RD-KS)
- 1600 WZZW WV Milton – 3/12 0759 – Poor, with Capital One ad, (// WVHU) “News Radio 800 WVHU”. Logged as WNST in '84. (JJR-WI)
- 1630 WRDW GA Augusta – 3/12 0728 – Poor, with with “ESPN” twice. KCJJ nulled. Weak for a change. Only fit. (JJR-WI)
- 1630 KRND WY Fox Farm – 3/13 0645 – Poor, but loud! 50/9 with KCJJ way under this! (JJR-WI)
- 1680 KRJO LA Monroe – 2/26 0711 – Poor, though fighting a weak WPRR. “My 99-7 FM”. 'Tequila, Dan and Shay'. (JJR-WI)
- 1680 WTTM NJ Lindenwold – 2/27 0740 – Poor, with SS music. “Radio Unica” in middle of song. All alone. (JJR-WI)
- 1690 WPTX MD Lexington Park – 2/27 0737 – Poor, but 50/9. Flutter, would fade in minutes. NOS, calls, ads. (JJR-WI)

1800-0600 ELT

- 550 KTRS MO St. Louis – 2/24 1829 – Fair, with “The Big Five-Fifty, KTRS” ID heard after interview with local college basketball coach. (RD-KS)
- 660 WBHR MN Sauk Rapids – 3/11 2258 – Fair, with clear mention of “Sauk Rapids” in ad for local business; ESPN Sportscenter Update at 2300. (RD-KS)
- 660 KEYZ ND Williston – 3/11 2245 – Fair, in mess, with C&W oldie “The Church On Cumberland Road” by Shenandoah, then a “660 Keys Newsradio” ID during weather forecast; confirmed via webstream. (RD-KS)
- 680 CJOB MB Winnipeg – 3/11 2321 – Good, under KFEQ, with “CJOB” heard at the start of weather forecast (“. . . low tonight of minus 12 . . .”). (RD-KS)
- 690 CBKF-1 SK Gravelbourg – 2/21 1911 – Male performer singing in French. Only French speaking station on this frequency, per The National Radio Club's AM Radio Log. (JDS-MN) [Another happy customer! – Ed.]
- 710 KCMO MO Kansas City – 2/21 1921 – Station ID: “Seven-Ten KCMO”, fFollowed by commercial for Oak Ridge Boys concert. Then fades out. (JDS-MN)
- 730 KWOA MN Worthington – 2/23 2012 – Fair, with liner: “Minnesota Timberwolves basketball is right here on The Fan . . . and 100.3 FM, KWOA, Worthington”. (RD-KS)
- 730 CKDM MB Dauphin – 2/23 2014 – Good, with ID at the end of a long promo: “. . . 730 CKDM is your everyday source in the Parkland”. (RD-KS)
- 740 KTRH TX Houston – 2/23 2053 – Fair, over/under CFZM, with Houston Rockets basketball. (RD-KS)
- 740 CFZM ON Toronto – 2/21 1938 – “Zoomer radio. We give you more variety in an hour than other stations give you all day”, followed by song 'Nothing From Nothing' by Billy Preston. (JDS-MN)
- 740 CFZM ON Toronto – 3/14 2100 – Fair signal, with Oldies music and 'Zoomer' ID. (SMA-MB)
- 770 KATL MT Miles City – 3/3 2017 – Atop, with NBC Sports Radio update, then “KATL” heard in promo for the Southeast Montana Athlete of the Week. First Montana logging for me on this SDR. (RD-KS)
- 780 WBBM IL Chicago – 2/21 1948 – “Traffic and Weather on the Eights” followed by: “Streaming live, the wbbmnewsradio.com, and the radio.com app. News radio Seven-Eighty and One-O-Five-point-Nine FM”. (JDS-MN)



- 790 KFGO ND Fargo – 2/23 1821 – Fair, with promo for coverage of Minnesota Twins baseball spring training game “Sunday on 94.1 FM and 790 AM, KFGO”. (RD-KS)
- 800 WDUX WI Waupaca – 2/21 2004 – Out of ABC News, into local weather forecast ending with “WDUX” station ID, followed by high school basketball. (JDS-MN)
- 850 KOA CO Denver – 2/21 2015 – Traffic report, followed by 'CBS-4 Weather' with Denver partly cloudy and 26 degrees. “I’m Joe Navarro on KOA News Radio. Colorado’s news, traffic, and weather station”. (JDS-MN)
- 850 WQRM MN Duluth – 3/3 1858 – Fair, in KKOW splash, with ending of religious program, then ID: “This is WQRM . . .”. (RD-KS)
- 880 WCBS NY New York – 2/21 2028 – “Traffic and Weather on the Eights”, followed by “More than just the headlines. This is WCBS News Radio Eight-Eighty” and news at TOH. (JDS-MN)
- 880 WMEQ WI Menomonie – 3/06 1854 – Commercials including: 'International Women’s Day', 'I-Heart Music Awards', 'Bemo Harris Bank, Eau Claire branch', 'Eau Claire Insulation and Exteriors', and 'Colfax Chevrolet', followed “News talk WMEQ” at 1857. (JDS-MN)
- 910 KCJB ND Minot – 2/24 1853 – Fair to good with “Islands In The Stream” by Kenny Rogers and Dolly Parton, then liner by female: “. . . thanks for hanging out with 91 Country KCJB . . . on kcjb910.com”, and followed by Lee Roy Parnell's “What Kind Of Fool Do You Think I Am”. (RD-KS)
- 930 KWOC MO Poplar Bluff – 3/5 1932 – Good, with ads for events in Cape Girardeau and Poplar Bluff, mention of the Knights of Columbus in Poplar Bluff. (RD-KS)
- 930 KLUP TX Terrell Hills – 2/24 1901 – Good, with mentions of “WellMed Charitable Foundation” and “930 The Answer” heard in promo. (RD-KS)
- 940 CJGX SK Saskatoon – 3/06 1939 – Out of country music, then female announcer: “Dirks Bentley on GX Ninety-Four”. (JDS-MN)
- 950 KFSA AR Fort Smith – 3/5 2109 – Atop, with ID for FM: “The All-New Hog Country 99.1”, then into a modern C&W song. First time heard for me from any QTH. (RD-KS)
- 950 WAKM TN Franklin – 3/5 2115 – Fair, with promo for coverage of University of Tennessee basketball on WAKM. (RD-KS)
- 990 CBW MB Winnipeg – 3/06 1959 – Out of 'As It Happens' show, followed by “This is CBC Radio One, Nine-Ninety AM, Eighty-Nine-Point-Three in Winnipeg” into spot for “Information Radio tomorrow, six to eight-thirty on CBC Radio One Eighty-Nine-Point-Three”. (JDS-MN)
- 1000 KSOO SD Sioux Falls – 3/1 0553 – Last part of “The Revolution” (an Outdoor program); ID as “Information 1000 KSOO”; program notes; ad for jerky-making kit. Fair, mixing with XEFV. (JW-CO)
- 1010 KSIR CO Brush – 3/8 2251 – Fair, with Denver Nuggets basketball. (RD-KS)
- 1010 WPCN WI Stevens Point – 3/06 2011 – “The greatest hits of all time”, followed by 'Feeling Stronger Every Day' by Chicago, and “This is the True Oldies Channel” into “This Day In Music History”. (JDS-MN)
- 1070 KHMO MO Hannibal – 2/27 2059 – Fair, with “Newstalk 1070 KHMO” heard in promo for the Larry Elder Show. (RD-KS)
- 1080 WNWI IL Oak Lawn – 3/14 2140 – Fair signal, with Polish music program. (SMA-MB)
- 1090 KMXA CO Aurora – 3/14 2035 – Good signal, dominating the frequency, with ESPN Deportes programming. (SMA-MB)
- 1140 KXRB SD Sioux Falls – 3/6 2056 – Caught tail-end of ID: “. . . on 100.1 and 1140 AM, KXRB”, then into local ads. (RD-KS)
- 1140 KHFX TX Cleburne – 3/8 2300 – Good, with “. . . Cleburne y Fort Worth Texas . . .” noted in English/Spanish ID by male. (RD-KS)
- 1150 KCCT TX Corpus Christi – 2/23 2149 – Fair, in KCTO splash, with oldies by Tears For Fears and The Bee Gees, then liner: “Corpus Christi's retro hits, Retro 104.1”. A big surprise; first time I've heard this one from any QTH. (RD-KS)
- 1150 WHBY WI Kimberly – 2/23 2109 – Fair-to-good, with University of Wisconsin basketball. Two 1150s in Wisconsin, but this is the one that's listed as an affiliate on the 2018-19 Badger Network. (RD-KS)
- 1220 KJAN IA Atlantic – 3/7 2135 – Fair, for a brief moment, with taped “KJAN, Atlantic weather” ID before weather forecast. (RD-KS)
- 1220 KMVL TX Madisonville – 3/7 2132 – Good with ID: “You've found the station that. . .1220 AM and 98.9 . . .KMVL”, then into the Main Ingredient's “Everybody Plays The Fool”. (RD-KS)

- 1230 KFPW AR Fort Smith – 3/5 2159 – Very good, with legal ID: “You're listening to the Voice of Arklahoma since 1930 . . . KFPW . . . Fort Smith . . .”. (RD-KS)
- 1230 KFSP MN Mankato – 2/23 1807 – Fair, with “. . . 1230 The Fan, Mankato” heard during coverage of Minnesota State University-Mankato basketball. (RD-KS)
- 1240 KWAK AR Stuttgart – 3/10 2258 – Briefly in, with mention of “oldies”, the FM translator frequency, and CLs that at first sounded like “KWAY”. Took some sleuthing, but finally narrowed it down to this. (RD-KS) [They're on two translators, 96.1 and 102.7 – Ed.]
- 1240 KBIZ IA Ottumwa – 3/10 2259 – Atop, with legal ID: “. . . right here on your news, sports, and information leader . . . KBIZ, Ottumwa . . .”. (RD-KS)
- 1250 KRRD AR Fayetteville – 2/23 2222 – Good, with “. . . northwest Arkansas, Red Dirt Country 106.1” ID, then into modern C&W music. As indicated in AM Switch in the last issue, this one has indeed made the switch and is now simulcasting 1390 KFFK, as well. (RD-KS)
- 1270 WWVI MN Baxter – 3/7 2227 – Very good, with sports talk show “The Gold Standard” via SBNation Radio, then ad for Precision SUBIworks of Brainerd and weather forecast: “Here's a look at the 3 W I weather . . . ” (RD-KS)
- 1270 KNWC SD Sioux Falls – 3/7 2258 – Fair, with ending of religious program “Intentional Living” with host Randy Carlson, then “Faith Radio 1270” heard in ID by female; confirmed by checking KNWC's schedule online. (RD-KS)
- 1280 KPRV OK Poteau – 3/7 2153 – Good, with “KPRV 1280” jingle ID sandwiched between Tom Jones' version of “The Green Green Grass of Home” and Air Supply's “Every Woman In The World”. (RD-KS)
- 1320 KELO SD Sioux Falls – 3/3 1929 – Very good, with start of ad for Juna Sleep Systems in Sioux Falls, then gone at switch to night pattern. (RD-KS)
- 1330 KPTY IA Waterloo – 3/7 2313 – Fair, in KDTD splash, with modern pop music, ID as “107.3 The Party”. No sign at all of KNSS at this time. (RD-KS)
- 1350 KDIO MN Ortonville – 3/12 0014 – Atop, with ID: “KDIO, your home for classic country . . .”, then into Brooks and Dunn's “She's Not The Cheatin' Kind”. (RD-KS)
- 1360 KLYR AR Clarksville – 3/6 2202 – In briefly, with University of Arkansas basketball. (RD-KS)
- 1360 KSCJ IA Sioux City – 3/6 2258 – Good with ID: “Your local source for news and information . . .KSCJ . . .”. (RD-KS)
- 1370 KWTL ND Grand Forks – 3/6 2344 – LOUD with mentions of “EWTN” during Catholic-themed call-in program discussing Ash Wednesday. Only EWTN affiliate shown on 1370. (RD-KS)
- 1400 KTMC OK McAlester – 3/5 1959 – Fair, in mess, with only “KTMC” heard in the legal ID. (RD-KS)
- 1420 WIMS IN Michigan City – 3/6 2259 – Fair under KTOE with “WIMS” heard during legal ID. (RD-KS)
- 1420 WOC IA Davenport – 3/6 2105 – Weak but in there under KTOE with just “WOC” heard. (RD-KS)
- 1430 WYMC KY Mayfield – 3/7 2124 – Very good, over WGFS, with Mayfield vs. Warren Central high school basketball in the Kentucky State High School Basketball Tournament. (RD-KS)
- 1440 WGEM IL Quincy – 3/3 1845 – Good, with start of promo: “WGEM is proud to support . . .”. (RD-KS)
- 1440 KTNO TX University Park – 3/10 2000 – Fair, with 214 area code phone # heard in ad in Spanish, then “. . . KTNO, University Park . . .” in Spanish/English legal ID. (RD-KS)
- 1450 KATE MN Albert Lea – 2/23 1859 – Fair, with “. . . KATE, Albert Lea” heard in jingle during legal ID. (RD-KS)
- 1470 KWSL IA Sioux City – 2/23 1842 – Fair, in KCZZ splash, with “La Preciosa . . . Noventa Ocho Punto Siete Effay Emmay . . .” heard during liner. (RD-KS)
- 1490 KWXT AR Dardanelle – 2/26 2225 – Fair, with “. . . 1490 KWXT” heard, then into southern gospel music. (RD-KS)
- 1490 KOBM NE Omaha – 3/5 2031 – In there, amongst the pileup, with “Boomer Radio” heard in liner between Manfred Mann's “Do Wah Diddy Diddy” and the Beatles' “Hello Goodbye”. (RD-KS)
- 1510 KCKK CO Littleton – 2/26 2148 – Good, with “93.7 The Rock” ID after “Owner Of A Lonely Heart” by Yes. (RD-KS)

- 1510 KMSD SD Milbank – 3/14 2150 – Good signal, with oldies music and ID as “98.3 and 1510 KMSD”. (SMA-MB)
- 1540 KEDA TX San Antonio – 3/9 2013 – Good, under KXEL, with Spanish music followed by mention (in English) of “. . . KEDA 53rd Anniversary celebration . . . “. (RD-KS)
- 1570 KNDY KS Marysville – 3/10 1803 – Good, with weather: “. . . the KNDY Weatherology forecast for northeast Kansas and southeast Nebraska . . . “. (RD-KS)
- 1570 KBCV MO Hollister – 3/9 2129 – Fair with “. . . Branson-area weather forecast . . .” heard between Bott Radio Network programs. (RD-KS)
- 1600 KGYM IA Cedar Rapids – 3/9 2107 – Good with Iowa State University women's basketball post-game show. (RD-KS)
- 1610 CHHA ON Toronto – 3/14 2100 – Fair signals, with Spanish talk by two ladies. (SMA-MB)
- 1620 WNRP FL Gulf Breeze – 3/6 2359 – Fair, with “. . . 1620 AM and 99.3 FM . . . Gulf Breeze . . .” noted during legal ID. (RD-KS)
- 1640 WJSP WI Sussex – 3/14 2045 – Fair signal, with Relevant Radio programming. (SMA-MB)
- 1650 KBJD CO Denver – 3/14 2050 – Good signal, with Spanish religious programming. (SMA-MB)

Confirmed DXer

Phil Bytheway, 9705 Mary NW, Seattle WA 98117-2334, phil_tekno@yahoo.com

Report your verifications to the NRC eGroup and they will appear here, or send them directly to me at the above address. Odd that no one reported a WION-1430 DX test verification, as I know some were sent out!! Next deadline: 5/17/19 1 PM PLT. pb

- 930 KMPT MT, East Missoula. PPC, coverage map in 20 days for f/up. V/s Tom McGinley (K7QA), C.E. (JW-CO)
- 1260 KBXN ID, Weiser. Email in 1 day for Email report of their test. V/s Preston Lee, Announcer. (pb-WA)
- 1270 KNWC SD, Sioux Falls. PPC in 17 days on 4th try. V/s Clayton Heeren, CBRE [CE]. (JW-CO)
- 1430 KCLK WA, Asotin. PPC in 14 days for f/up. V/S ??, Traffic Mgr. (JW-CO)
- 1660 KWOD KS, Kansas City. PPC, "610 Sports Radio" magnet in 9 days for f/up. V/s ??, ToD (whatever that is). (JW-CO)
- 1680 WPRR MI, Ada. PPC, F/D form letter, small "Reality Radio" sticker in 46 days. V/s Sue Howard. (JW-CO)

Phil Bytheway, Seattle WA (pb-WA)
John Wilkins, Wheat Ridge CO (JW-CO)

Verification Scanning Project

Many members have been involved with prepping, scanning and displaying the unique collection of verifications at www.nationalradioclub.org. The verification collections (some complete and some partial) currently on display include Kelly Andrews, Joseph "Joe" Brauner (SK), William "Bill" Burrows, Ernest R "Ernie" Cooper (SK), Carl "Skip" Dabelstein, Wayne Heinen, F. William Hendrick (SK), Kraig Krist, Robert "Bob" Karchevski (SK), Stuart Leland (SK), Roland "Len" Lindblade (SK), Norman "Norm" Maguire (SK), Alan "Al" Merriman, Stanwood "Stan" Morss (SK), Maurice "Bill" Nittler (SK), Jim Renfrew, Steve Sprague, and Ronald "Ron" Schiller (SK).

Volunteers, family and friends who made this project possible: Holly (Schiller) Anastasio, Ken Chatterton, Bruce Conti, Skip Dabelstein, David Gleason, Bill Hale, Harry Hayes, Wayne Heinen, John Herkimer, Kay Karchevski, Kraig Krist, Ginnie Lupi, John Malicky, Ron Musco, Sally Nittler, Bob Smolarek, Jerry Starr, Paul Swearingen and Ernie Wesolowski. If there is anyone I missed please contact me direct and I will add you to this list, so your efforts can be recognized.

We're still trying to track down portions of Ernie Cooper's collection including these BCB areas: Canada, South & Central America and the following US States CO, IL, MT, ND, OH, SC, SD, TN, TX, UT, WV, WY and his FM veries. – *Wayne Heinen*.

International DX Digest

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

contiba@gmail.com

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

All times are Universal Coordinated Time (UTC)

TRANS-ATLANTIC DX

- 549 **ALGERIA** *Jil FM*, Sidi Hamadouche MAR 7 0300 - Good; in-studio and telephone talk through the hour. MAR 10 0458 - Fair; choral marching band national anthem, parallel a weak 531 kHz. MAR 15 0458 - Fair; choral marching band national anthem. [Conti-NH]
- 595 **MOROCCO** *SNRT Oujda* MAR 10 0300 - Loud het against 594 Saudi Arabia. [Conti-NH]
- 837 **SPAIN** *COPE* synchros MAR 10 0559 - Fair; announcement by alternating man and woman leading up to time marker. [Conti-NH]
- 882 **UNITED KINGDOM** *BBC R.Wales*, Washford et al. MAR 15 0400 - Poor; time marker and BBC news. [Conti-NH]
- 1044 **SPAIN** *SER San Sebastián* MAR 7 0059 - Fair; local promo, "Radio San Sebastián..." to SER network music. [Conti-NH]
- 1053 **UNITED KINGDOM** *TalkSport* synchros MAR 14 2300 - Good; promo for F1 preview with Jim White, "Start your engines for all the latest news from the pitways and everything you need to know about the world's most glamorous sport," parallel 1089 kHz. [Conti-NH]
- 1062 **ITALY** *Rai Radiouno* synchros MAR 9 0459 - Poor; pre sign-on tones. [Conti-NH]
- 1089 **UNITED KINGDOM** *TalkSport* synchros MAR 7 0258 - Good; ad string, "Football Index is reinventing football betting, you can buy and sell the world's top players." [Conti-NH]
- 1215 **UNITED KINGDOM** *Absolute Radio* synchros MAR 10 0600 - Fair; "Dani California" by Red Hot Chili Peppers. [Conti-NH]
- 1503 **SPAIN** *RNE5 La Línea de Concepción//Piñeira* MAR 9 0500 - Good; servicios informativos parallel 684, 774, 855, 1107, and 1152 kHz. [Conti-NH]

Transatlantic carrier search: MAR 9 0413-0422 - On R75 with east-west long wire tuning at 9 kHz steps, 1 kHz below TA frequencies listening for 1 kHz hets: 531*, 549*, 558, 576, 585, 603, 612, 621(2), 639, 666(2), 684, 693*(2), 729, 738, 747, 756, 774(2), 783, 801, 837, 855*, 873, 882, 909, 936, 954, 999, 1026, 1044, 1053, 1089, 1116, 1152*, 1161, 1179, 1206, 1215, 1224, 1296, 1305(2), 1314(2), 1413, 1422, 1521, 1539, 1575 kHz. *=stronger ones; (2)=at least two carriers beating. One of my larger harvests. A few more were probably blotted by IBOC noise. [Hauser-OK]

PAN-AMERICAN DX

- 530 **CUBA** *R.Rebelde*, Caribe//Guantánamo-Antiguo MAR 9 0501 - Good, over *R.Enciclopedia*; choral national anthem parallel 550, 600, 670, 710, 770, and 1620 kHz. MAR 14 0401 - Good; midnight broadcast of the choral national anthem, an hour earlier now with Cuba on daylight saving time. [Conti-NH]
- 1060 **MEXICO** *XEEP R.Educación*, México, DF FEB 22 1200 - Mexican national anthem followed by ID announcement, "Seis Emisores... Radio Educación, diez-sesenta AM, en la ciudad de México..." ID also mentioned 104.3 FM, and other FM frequencies in the network, as well as the short wave outlet. [Vance-TX]
- 1120 **MEXICO** unID FEB 26 1159 - Choral anthem; extremely poor in noise. Unheard a few future checks same time. Likely either XEPOP Puebla or XETQE Tabasco. [Krueger-FL]
- 2940.14 unID FEB 20 0700 - JBA carrier seems to be real rather than receiver overload. Merits further pursuit, possibly second harmonic from an off-frequency MW 1470+. FEB 23 0430 - Off-frequency with some JBA talk, language uncertain, s4-s6 vs storm crashes as spring is nigh. Cannot detect any signal on likely fundamental 1470.07 producing second harmonic. As I mentioned in October, one known harmonic on 2940 is HJNT Cali, Colombia, and this is probably it. MWOffsets shows three possibilities: 1470.063 WBCR Alcoa, Tennessee, 1470.075 *R.Huellas*, Cali, Colombia, and 1470.08 HCED1 *Ecos de Cayambe*, Ecuador. FEB 27 0729 - JBA carrier from suspected second harmonic such as Cali, measured 2940.133 which would make the fundamental about 1470.0655 kHz. Or MWOffsets has WBCR, Alcoa TN on 1470.063; NRC AM Log says 77 watts at night. Perhaps a DX'er in Maryville/Alcoa could confirm the offset and harmonic. MAR 1 0049 - JBA carrier presumed second harmonic from some LAm or NAm broadcaster on 1470.065 or so. Another measurement at 0658

UTC puts it on 2940.132 kHz. Others closer and/or with better antenna gain and/or with less noise should be able to ID this. [Hauser-OK]

CONTRIBUTORS

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 longwire.

Terry L. Krueger, Clearwater FL; IC-R75, NRD-535, long wires, active loop.

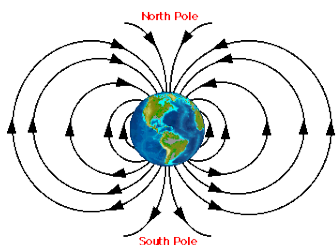
Robert Vance, El Paso TX; WiNRADiO G33DDC, various indoor and outdoor loop antennas.

INTERNATIONAL NEWS

COSTA RICA: Regarding Hauser's unID 2940+ harmonic log, it has a pretty hefty signal on the south mini-Bev here in North Carolina. Noted a much stronger signal on 2860 at the same time (2345 UTC) however, and was rewarded with a nice ID from *R.San Carlos*, 2 x 1430 kHz. [Jay Novello, WOR via DXLD]

LATVIA: *Radio Center* will be on the air this March for the last time on their historical frequency AM 1485 before completely moving to new frequency AM 1602 from Riga, Latvia. March 27 and 28th from 19:00-20:59 UTC with very special programs for NRB (National Religious Broadcasters) Convention attendees. Radio Center Moscow, a pioneer of religious broadcasting in Russia, has been granted a license for operating a powerful AM transmitter in Riga, Latvia to deliver Christian programming in Russian language into every Russian community in Eastern Europe, including Russia proper, during a time when the Russian government has restricted the rights of many Christian groups. Due to growing restrictions and governmental interference, Radio Center is moving from Moscow to Riga while keeping our radio studio in Moscow. Our new frequency on AM dial is 1602 kHz. [Andrey Nekrasov, WRTH fb group]

73 and Good DX!



Geomagnetic Indices

Geomagnetic Summary February 2019

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

Date	Flux	A	K	Space Weather	Date	Flux	A	K	Space Weather
2/ 1	72	17	4	minor, G1	15	71	4	0	no storms
2	71	17	3	no storms	16	71	3	0	no storms
3	71	11	3	no storms	17	70	4	2	no storms
4	71	7	3	no storms	18	70	6	1	no storms
5	71	5	1	no storms	19	70	3	1	no storms
6	70	10	3	no storms	20	71	3	2	no storms
7	70	4	1	no storms	21	71	11	3	no storms
8	71	8	4	no storms	22	71	4	1	no storms
9	70	10	1	no storms	23	71	2	0	no storms
10	70	6	1	no storms	24	71	2	0	no storms
11	70	9	3	no storms	25	70	2	1	no storms
12	70	6	3	no storms	26	71	2	1	no storms
13	70	13	2	no storms	27	71	10	4	no storms
14	71	10	1	no storms	2/28	70	26	3	minor, G1

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

DX Toolbox

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

Greetings once again from the Heart of the Continent and welcome to the DX Tool Box Column number 113.

It's Groovy Radio Time



Want to Go on a DX Vacation – Ask Gary DeBock

Looking for a dream location in the forward Pacific with the chance to track down MW stations from Africa and the Middle East-- in addition to the entire continent of Asia? Consider joining the November 1-7 ocean beach DXpedition at Poipu Kai on Hawaii's Kauai Island – the closest of the main Hawaiian islands to Asia. This point features an unobstructed salt water path to Asia and the South Pacific, as well as to North and South America.

Last November's Ultralight trip resulted in loggings from Oman, Egypt, Iran, India (2), Bangladesh, Myanmar, Cambodia, Thailand, Vietnam (5), Bonaire and many other countries-- but this time we hope to have SDR capability by setting up Rockwork-type breakdown versions of broadband loops in the large, open patio area next to the gorgeous 2-BR condos at Poipu Kai-- a 5 minute walk to the best snorkeling beach on Kauai. A Home Depot store about 20 minutes away provides access to broadband loop materials like PVC pipes, antenna wire and concrete bases. A video showing this dream DXing location is posted [here](#).

My wife and I have once again booked our 6-day vacation through a Costco Travel package, which offers round trip airfare for two (nonstop each way from Seattle), great accommodations in newer 2-BR condos at the Aston at Poipu Kai, a full sized rental car and a \$50 Costco cash card-- all included in the \$2.3K cost. For two DX'ers who would share one of the comfortable condos, the cost of the entire trip (per person) would be about \$1,200. Three of us are already making plans for an awesome DX'ing vacation, and if you would like to join us in this hobby thrill of a lifetime, we would be honored to have you with us! Gary DeBock (in Puyallup, WA, USA)

The November 2018 Kauai DXpedition report is available [here](#) and was published in the last issue of *DX News*.

Bits and Bites from the NRC listserv

From: Gary DeBock, Puyallup WA

Re: New XHDATA D-808 Portable

As most North American DX'ers found out last year, the cost to purchase an XHDATA D-808 AM-FM-LW-SW-AIR SSB portable in the USA or Canada was significantly higher than in the rest of the world (around \$112, in comparison to around \$75).

Apparently an eBay seller is now offering new D-808 models to USA purchasers for around \$75, but you need to order through the Australian eBay system (link [here](#)).

You will need to pay AU \$12 shipping (about \$8), but the radio is shipped from China, and the total cost will still be far below the other eBay listings. I don't know if this is a quirk that will soon disappear, but interest in the model remains very high, so nail down your new D-808 at \$75.64 while you can.

A full 16 page article describing the development, features and 7.5" loopstick transplant procedure for the XHDATA D-808 model is available [here](#).

From: Ed Muro

Re: New XHDATA D-808 Portable

Features look very similar to C. Crane's Skywave series.

From: Gary DeBock, Puyallup WA

Re: New XHDATA D-808 Portable

Yes, Ed, the D-808 was "inspired" by the CC Skywave SSB model (to use a term very generous to the Chinese reverse engineers). Both are manufactured in Shenzhen, China, and the D-808 appeared a few months after the Skywave SSB, with amazingly similar features.

The full details of this wholesale design appropriation are unlikely to ever be revealed to the general public, but C. Crane has reason to deeply regret its decision to manufacture at the Redsun factories in Shenzhen. And most likely XHDATA company's 2018 restriction on direct shipment of the D-808 to North America was related to their fear of a copyright lawsuit by C. Crane.

From: Bill Whitacre, Alexandria VA

Re: Grayland '19 DXpedition

Thanks to a last-minute 'flash sale' from Alaska Airlines I made my 19th trip to Grayland, Washington a couple of weeks ago. Propagation conditions were not great but following the motto "everything's better at the beach" I persevered. You can see and hear what I heard on [this](#) webpage.

I'm still going through the wav files but there's enough on the webpage to give a flavor of what things were like. Antenna was the usual 160' DKAZ at 287 deg. literally 'on the beach' and in the puddles that collect during winter months on the back-beach. I'm sure my splashing around provided entertainment to the large number of razor clammers on the beach. Highlight so far is DWXI, the Delta Broadcasting System, on 1314kHz, a new Philippine station for me from Grayland; recording available [here](#).

Enjoy and good DX to everyone.

From: Gary DeBock, Puyallup WA

Re: The New Radiowow R-108 The Good, the Bad, and the Ugly

The Chinese-made Radiowow R-108 is a very compact AM-FM-LW-SW-AIR portable which has recently become available to North American purchasers via eBay, where it is currently offered at various prices (the lowest being \$49.98, including free shipping) in listings such as [this](#) one.

Since it is obviously an Ultralight-sized radio and a DSP-enhanced design with multiple selectivity options, four of the R-108 models were purchased for performance tests, technical investigation, quality control checks and comparison with similar models. The Radiowow R-108 is manufactured by the same company that builds the XHDATA D-808, so the styling is very similar, with dark grey cabinets, orange colored power controls and company logos, and lithium-ion rechargeable batteries. And like with the D-808, you will search the owner's manual in vain for any type of manufacturer's warranty.

This Chinese company certainly draws a lot of "inspiration" (to use a very generous term) from the C.Crane Skywave model (manufactured in the same Chinese city, Shenzhen, at the Redsun factories). Whereas the company's reverse engineers started their D-808 model with wholesale design appropriation of the Skywave SSB's technical innovations, the new R-108 matches the CC Skywave exactly in height, length and width, as well as in the location of the company logo, speaker, wrist strap, display, keypad, power control, tuning knob and volume control. As a crowning touch, the company's reverse engineers ensured that the R-108's screened-on tuning and volume control legends match those of the CC Skywave exactly.

Since only one of the R-108 test models has arrived here so far I haven't yet done a full technical disassembly, although to its credit the R-108 does have good shielding of the DSP chip, avoiding the irritating digital whine which occurs in recent (post 2012) Tecsun PL-310ET and PL-380 models when the display is grasped. The R-108 also seems to correct the internal heterodyne generation issues of the Tecsun Si4734 DSP chip models (PL-310ET, PL-380 etc.), although my first R-108 test model does suffer from a new digital issue-- intermittent, nasty oscillations at the extreme high end of the AM band (1650-1700 kHz). Whether this a congenital issue or not will be determined when the remaining three R-108 models arrive, but previous reviews of this model have mentioned uneven quality control.

The AM band performance does seem to be competitive with the Tecsun PL-380 model as far as sensitivity, DSP selectivity and digital functions, although the audio amp will max out more quickly on a weak signal. The multiple DSP options are quite good at this price point, especially when combined with the correction of the Tecsun PL-380's internal heterodyne issues. The AM antenna connections on the RF circuit board are highly accessible for enhanced loopstick transplant projects (see photos below), so assuming that the intermittent oscillations on the extreme high end of the AM band are limited to this one R-108 model, the R-108 could prove to be a real value winner as a "Supercharging" platform. More performance details and technical reports will be given when the other three R-108 test models arrive here, but so far, the model does appear to have good potential for AM-DX'ing, both as a stock and modified model.

Detailed photos are posted at the following links:

RF Circuit Board [here](#).

Cabinet Disassembly (Digital and RF Circuit Boards) [here](#).

Lithium-ion Rechargeable Battery [here](#).

CC Skywave SSB and R-108... the identical sized Shenzhen "siblings" [here](#).

73 for this time Shawn

Remember On A Clear Day You Can Hear Forever

GRAVEYARD DX UPDATE

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

TimHall1@gmail.com

1490 kHz

KBKR OR Baker Tim Hall US 6/50 at NV/UT Border, UT 440

<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>
Tim Hall	US 6/50 at NV/UT Border, UT	36	32	33	42	32	37	212

GRAVEYARD DX ACHIEVEMENTS

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

TimHall1@gmail.com



1340 kHz

Logged from January 1, 1960 to Present
Updated as of March 14, 2019



Station	State	City	DXer	DX Location	Miles
WFMH	AL	Cullman	Russ Johnson	Lexington, NC	392
WJOI	AL	Florence	Gary Siegel	Toledo, OH	525
WXOR	AL	Florence	Charles Reh	Leamington, ON	572
WMRK	AL	Selma	Barry McLarnon	Ottawa, ON	1077
WMRK	AL	Selma	Steve Francis	Alcoa, TN	290
WFEB	AL	Sylacauga	Steve Francis	Alcoa, TN	222
AFRN	AK	Ft. Yukon	Frank Merrill	Nenana, AK	178
KIKO	AZ	Apache Junction	Tim Hall	US 6/50 at NV/UT Border, UT	416
KIKO	AZ	Miami	Wayne Heinen	Colorado Springs, CO	532
KPGE	AZ	Page	Phil Bytheway	Seattle, WA	924
KENT	AZ	Prescott	Don Kaskey (SK)	Sacramento, CA	562
KBTA	AR	Batesville	Phil Bytheway	Seattle, WA	1769
KZNG	AR	Hot Springs	Wayne Heinen	Colorado Springs, CO	717
KCAT	AR	Pine Bluff	Barry McLarnon	Ottawa, ON	1154
KBRS	AR	Springdale	Charles Reh	Leamington, ON	738
KBRS	AR	Springdale	Gary Siegel	Toledo, OH	682
KATA	CA	Arcata	Carl Dabelstein	Lihue, HI	2433
KATA	CA	Arcata	Phil Bytheway	Seattle, WA	475
KCBL	CA	Fresno	Richard E. Wood (SK)	Hilo, HI	2434
KVGC	CA	Jackson	Tim Hall	Chula Vista, CA	449
KOMY	CA	La Selva Beach	Richard E. Wood (SK)	Hilo, HI	2325
KAVC	CA	Mojave	Tim Hall	Burney, CA	735
KSFE	CA	Needles	John Johnson	Billings, MT	821
KEWE	CA	Oroville	Richard E. Wood (SK)	Hilo, HI	2415
KPYV	CA	Oroville	Tim Hall	West Glacier, MT	725
KATY	CA	San Luis Obispo	Frank Merrill	Nenana, AK	2347
KGLW	CA	San Luis Obispo	Carl Dabelstein	Phoenix, AZ	504
KIST	CA	Santa Barbara	Richard E. Wood (SK)	Hilo, HI	2390
KIST	CA	Santa Barbara	Tim Hall	Crescent City, CA	564
KOMY	CA	Watsonville	Tim Hall	Chula Vista, CA	408
KDCO	CO	Denver	Tim Hall	US 6/50 at NV/UT Border, UT	484
KWSL	CO	Grand Junction	Carl Dabelstein	Omaha, NE	686
KVRH	CO	Salida	Wayne Heinen	Aurora, CO	102
WYBC	CT	New Haven	Russ Johnson	Lexington, NC	567
WYBC	CT	New Haven	Barry McLarnon	Ottawa, ON	316
WOOK	DC	Washington	Andy Rugg (SK)	Montreal, QC	488
WOOK	DC	Washington	Gary Siegel	Toledo, OH	401
WTAN	FL	Clearwater	Neil Kazaross	Barrington, IL	1026

WWFL	FL	Clermont	Shawn Axelrod	Orlando, FL	17
WROD	FL	Daytona Beach	Andy Rugg (SK)	Montreal, QC	1197
WROD	FL	Daytona Beach	Marc DeLorenzo	Hyannis, MA	1051
WZAZ	FL	Jacksonville	Don Trelford (SK)	Runaway Bay, JMC	868
WDSR	FL	Lake City	Barry McLarnon	Ottawa, ON	1116
WPBR	FL	Lantana	Tim Hall	Tampa, FL	176
WTYS	FL	Marianna	Ernie Wesolowski	Omaha, NE	953
WPBR	FL	Palm Beach	Ernie Cooper (SK)	Provincetown, MA	1198
WITS	FL	Sebring	Russ Johnson	Lexington, NC	576
WFSH	FL	Valparaiso	Steve Francis	Alcoa, TN	393
WGAU	GA	Athens	Russ Edmunds	Parsippany, NJ	691
WBBQ	GA	Atlanta	Carl Dabelstein	Lincoln, NE	831
WBBQ	GA	Augusta	Russ Edmunds	Parsippany, NJ	661
WGAA	GA	Cedartown	Steve Francis	Alcoa, TN	138
WOKS	GA	Columbus	Barry McLarnon	Ottawa, ON	1019
WOKS	GA	Columbus	Russ Edmunds	Blue Bell, PA	758
WBBT	GA	Lyons	Kraig Krist	Manassas, VA	526
WALH	GA	Mountain City	Gary Siegel	Toledo, OH	465
WTIF	GA	Tifton	Ron Schiller (SK)	Monmouth Beach, NJ	811
KSKI	ID	Hailey	Mike Hardester	Modesto, CA	537
KSGR	ID	Nampa	Tim Hall	Chula Vista, CA	756
KTIK	ID	Nampa	Shawn Axelrod	Winnipeg, MB	1004
KACH	ID	Preston	Phil Bytheway	Seattle, WA	637
KXQZ	ID	Wendell	Tim Hall	Chula Vista CA	708
WSOY	IL	Decatur	Barry McLarnon	Ottawa, ON	768
WHPI	IL	Herrin	Shawn Axelrod	Winnipeg, MB	913
WJPF	IL	Herrin	George Santulli	Cranford, NJ	810
WJOL	IL	Joliet	Shawn Axelrod	Winnipeg, MB	714
WJOL	IL	Joliet	Carl Dabelstein	Lincoln, NE	450
WBIW	IN	Bedford	Barry McLarnon	Ottawa, ON	707
WBIW	IN	Bedford	Steve Francis	Alcoa, TN	257
WTRC	IN	Elkhart	Denis Picard	Trois-Rivières-Ouest, QC	737
WTRC	IN	Elkhart	George Santulli	Cranford, NJ	605
WLBC	IN	Muncie	Carl Dabelstein	Lincoln, NE	595
WXFN	IN	Muncie	Barry McLarnon	Ottawa, ON	605
WXFN	IN	Muncie	Kraig Krist	Manassas, VA	433
KROS	IA	Clinton	Barry McLarnon	Ottawa, ON	760
KROS	IA	Clinton	Carl Dabelstein	Lincoln, NE	343
KROS	IA	Clinton	Gary Siegel	Toledo, OH	343
KLIL	IA	Estherville	Ernie Wesolowski	Omaha, NE	165
KGGS	KS	Garden City	Tim Hall	Jackpot, NV	777
KFKF	KS	Kansas City	Shawn Axelrod	Winnipeg, MB	714
KNHN	KS	Kansas City	Gary Siegel	Toledo, OH	612
KSEK	KS	Pittsburg	Shawn Axelrod	Winnipeg, MB	858
KSEK	KS	Pittsburg	Gary Siegel	Toledo, OH	662
WCMJ	KY	Ashland	Joe Fela	Newark, NJ	477
WCMJ	KY	Ashland	Jeff Falconer	Clinton, ON	362
WBGJ	KY	Bowling Green	Carl Dabelstein	Omaha, NE	596
WBGJ	KY	Bowling Green	Ernie Wesolowski	Omaha, NE	596
WBGJ	KY	Bowling Green	Jeff Falconer	Clinton, ON	525
WKCB	KY	Hindman	Barry McLarnon	Ottawa, ON	668
WNBS	KY	Murray	George Santulli	Cranford, NJ	809
WEKY	KY	Richmond	Ron Schiller (SK)	Monmouth Beach, NJ	583
KRMD	LA	Shreveport	Frank Wheeler (SK)	Erie, PA	1005
WFAU	ME	Augusta	Barry McLarnon	Ottawa, ON	304
WNZS	ME	Veazie	Barry McLarnon	Ottawa, ON	349
WGAW	MA	Gardner	Kraig Krist	Manassas, VA	392
WGAW	MA	Gardner	Barry McLarnon	Ottawa, ON	269
WNBH	MA	New Bedford	Russ Edmunds	Blue Bell, PA	249
WBRK	MA	Pittsfield	Niel Wolfish	Murray Harbour, North PEI	585
WBRK	MA	Pittsfield	Russ Edmunds	Blue Bell, PA	192
WLEW	MI	Bad Axe	Barry McLarnon	Ottawa, ON	372
WLEW	MI	Bad Axe	Neil Kazaross	Barrington, IL	282

WBBL	MI	Grand Rapids	Barry McLarnon	Ottawa, ON	579
WLAV	MI	Grand Rapids	Bruce Conti	West Warwick, RI	763
WCSR	MI	Hillsdale	George Santulli	Cranford, NJ	575
WCSR	MI	Hillsdale	Jeff Falconer	Clinton, ON	196
WMTE	MI	Manistee	Barry McLarnon	Ottawa, ON	522
WMTE	MI	Manistee	Gary Siegel	Toledo, OH	226
WAGN	MI	Menominee	Ron Schiller (SK)	Monmouth Beach, NJ	766
WAGN	MI	Menominee	Barry McLarnon	Ottawa, ON	575
WMBN	MI	Petoskey	Shawn Axelrod	Valhalla Beach, MB	665
WMBN	MI	Petoskey	Russ Edmunds	Blue Bell, PA	609
WEXL	MI	Royal Oak	Barry McLarnon	Ottawa, ON	416
WEXL	MI	Royal Oak	Kraig Krist	Manassas, VA	393
KQBR	MN	Brainerd	Don Trelford (SK)	Runaway Bay, JMC	2159
KVBR	MN	Brainerd	Barry McLarnon	Ottawa, ON	886
KVBR	MN	Brainerd	Gary Siegel	Toledo, OH	619
KDLM	MN	Detroit Lakes	Andy Rugg (SK)	Waterloo, ON	781
KDLM	MN	Detroit Lakes	Gary Siegel	Toledo, OH	705
WEVE	MN	Eveleth	Morris Sorensen (SK)	Leaf Rapids, MB	710
WEVE	MN	Eveleth	Carl Dabelstein	Omaha, NE	459
KROC	MN	Rochester	Niel Wolfish	Toronto, ON	650
KROC	MN	Rochester	Gary Siegel	Toledo, OH	482
KWLM	MN	Willmar	Neil Kazaross	Barrington, IL	401
WAML	MS	Laurel	Ernie Wesolowski	Omaha, NE	767
KXEO	MO	Mexico	Andy Rugg (SK)	Montreal, QC	1028
KXEO	MO	Mexico	Russ Edmunds	Parsippany, NJ	929
KLID	MO	Poplar Bluff	Charles Reh	Leamington, ON	552
KLID	MO	Poplar Bluff	Gary Siegel	Toledo, OH	498
KSMO	MO	Salem	Gary Siegel	Toledo, OH	509
KICK	MO	Springfield	Dave Whatmough	Hamilton, ON	822
KICK	MO	Springfield	Gary Siegel	Toledo, OH	607
KQJZ	MT	Evergreen	Ron Schiller (SK)	Coeur d'Alene, ID	123
KPRK	MT	Livingston	Carl Dabelstein	Omaha, NE	817
KPRK	MT	Livingston	Tim Hall	Jasper, AB	546
KATL	MT	Miles City	Ernie Wesolowski	Omaha, NE	599
KATL	MT	Miles City	Carl Dabelstein	Omaha, NE	599
KYLT	MT	Missoula	MB DXPedition&	Arnes, MB	819
KYLT	MT	Missoula	Tim Hall	US 6/50 at NV/UT Border, UT	540
KHUB	NE	Fremont	Charles Reh	Leamington, ON	716
KHUB	NE	Fremont	John Wilkins	Wheat Ridge, CO	468
KGFW	NE	Kearney	Neil Kazaross	Barrington, IL	576
KSID	NE	Sidney	Tim Hall	US 6/50 at NV/UT Border, UT	603
KTSN	NV	Elko	Tim Hall	Jasper, AB	838
KTSN	NV	Elko	Tim Hall	Chula Vista, CA	574
KRAM	NV	Las Vegas	Frank Merrill	Nenana, AK	2409
KRLV	NV	Las Vegas	Tim Hall	Yellowstone Lake Village, WY	629
WDCR	NH	Hanover	Gary Siegel	Toledo, OH	591
WDCR	NH	Hanover	Jeff Falconer	Clinton, ON	464
WWNH	NH	Madbury	Jeff Falconer	Clinton, ON	534
WWNH	NH	Madbury	Russ Edmunds	Blue Bell, PA	307
WBNC	NH	North Conway	Bruce Conti	Nashua, NH	89
WMID	NJ	Atlantic City	Bill Dvorak	Madison, WI	817
WMID	NJ	Atlantic City	Jeff Falconer	Clinton, ON	469
KNDE	NM	Aztec	Ernie Wesolowski	Omaha, NE	706
KSSR	NM	Santa Rosa	Glenn Hauser	(near) Vega, TX	123
KSIL	NM	Silver City	Phil Bytheway	Seattle, WA	1262
KKIT	NM	Taos	Phil Bytheway	Seattle, WA	1154
WMBO	NY	Auburn	Gary Siegel	Toledo, OH	367
WMBO	NY	Auburn	Charles Reh	Leamington, ON	311
WENT	NY	Gloversville	Jeff Falconer	Clinton, ON	363
WENT	NY	Gloversville	Wayne Heinen	Orchard Park, NY	223
WКСN	NY	Jamestown	Andy Rugg (SK)	Montreal, QC	367
WКСN	NY	Jamestown	Russ Edmunds	Parsippany, NJ	263
WLVL	NY	Lockport	Carl Dabelstein	Lincoln, NE	932

WLVL	NY	Lockport	Barry McLarnon	Ottawa, ON	209
WMSA	NY	Massena	Charles Reh	Leamington, ON	433
WMSA	NY	Massena	Russ Edmunds	Parsippany, NJ	281
WALL	NY	Middletown	Denis Picard	Trois-Rivières-Ouest, QC	351
WALL	NY	Middletown	Bruce Conti	Nashua, NH	173
WIRY	NY	Plattsburgh	Gary Siegel	Toledo, OH	550
WIRY	NY	Plattsburgh	Niel Wolfish	Howe Bay, PI	547
WOOW	NC	Greenville	Jeff Falconer	Clinton, ON	596
WOOW	NC	Greenville	Gary Siegel	Toledo, OH	535
WJRI	NC	Lenoir	Wayne Heinen	Orchard Park, CO	499
WTSB	NC	Lumberton	Russ Edmunds	Syracuse, NY	605
WCBQ	NC	Oxford	Russ Edmunds	Blue Bell, PA	321
WADE	NC	Wadesboro	Russ Johnson	Lexington, NC	61
WGNI	NC	Wilmington	Andy Rugg (SK)	Montreal, QC	814
WLSG	NC	Wilmington	Russ Edmunds	Blue Bell, PA	436
WAIR	NC	Winston-Salem	Andy Rugg (SK)	Montreal, QC	739
WAIR	NC	Winston-Salem	Gary Siegel	Toledo, OH	426
KPOK	ND	Bowman	Phil Bytheway	Seattle, WA	900
KGPC	ND	Grafton	Gary Siegel	Toledo, OH	821
KXPO	ND	Grafton	Tim Hall	Winnipeg, MB	104
WNCO	OH	Ashland	Shawn Axelrod	Winnipeg, MB	942
WNCO	OH	Ashland	Bruce Conti	Nashua, NH	574
WOUB	OH	Athens	Barry McLarnon	Ottawa, ON	527
WIZE	OH	Springfield	Shawn Axelrod	Winnipeg, MB	937
WIZE	OH	Springfield	Russ Edmunds	Little Silver, NJ	516
WSTV	OH	Steubenville	Barry McLarnon	Ottawa, ON	425
WSTV	OH	Steubenville	Steve Francis	Alcoa, TN	364
KIHN	OK	Hugo	Charles Reh	Leamington, ON	894
KIHN	OK	Hugo	Carl Dabelstein	Omaha, NE	504
KXXY	OK	Oklahoma City	Don Trelford (SK)	Runaway Bay, JMC	1711
KXXY	OK	Oklahoma City	Gary Siegel	Toledo, OH	866
KTOW	OK	Sand Springs	Karl Jeter	Atlanta, GA	675
KBNW	OR	Bend	Tim Hall	US 6/50 at NV/UT Border, UT	509
KLOO	OR	Corvallis	Tim Hall	Radium Hot Springs, BC	538
KLOO	OR	Corvallis	Ron Schiller (SK)	Coeur d'Alene, ID	379
KWVR	OR	Enterprise	Tim Hall	Jasper, AB	516
KWVR	OR	Enterprise	Tim Hall	US 6/50 at NV/UT Border, UT	467
KIHR	OR	Hood River	Tim Hall	Monterey, CA	630
KBBR	OR	North Bend	Richard E. Wood (SK)	Hilo, HI	2428
KBBR	OR	North Bend	Tim Hall	Monterey, CA	488
KBBR	OR	North Bend	Tim Hall	(in waters off) San Juan Islands, BC	353
WCVI	PA	Connellsville	Andy Rugg (SK)	Montreal, QC	486
WCVI	PA	Connellsville	Gary Siegel	Toledo, OH	236
WSAJ	PA	Grove City	Frank Merrill	Holland, OH	195
WOYL	PA	Oil City	Barry McLarnon	Ottawa, ON	336
WOYL	PA	Oil City	Gary Siegel	Toledo, OH	200
WHAT	PA	Philadelphia	Gary Siegel	Toledo, OH	452
WHAT	PA	Philadelphia	Jeff Falconer	Clinton, ON	411
WYCK	PA	Plains	Barry McLarnon	Ottawa, ON	272
WRAW	PA	Reading	Gary Siegel	Toledo, OH	409
WRAW	PA	Reading	Barry McLarnon	Ottawa, ON	349
WTRN	PA	Tyrone	Steve Francis	Alcoa, TN	458
WTRN	PA	Tyrone	Barry McLarnon	Ottawa, ON	348
WBRE	PA	Wilkes-Barre	Karl Jeter	Stone Mountain, GA	695
WWPA	PA	Williamsport	MB DXpedition&	Arnes, MB	1153
WWPA	PA	Williamsport	Gary Siegel	Toledo, OH	341
WOKE	SC	Charleston	Barry McLarnon	Ottawa, ON	896
WOKE	SC	Charleston	Gary Siegel	Toledo, OH	643
WRHI	SC	Rock Hill	Gary Siegel	Toledo, OH	487
WSSC	SC	Sumter	Gary Siegel	Toledo, OH	563
KIJV	SD	Huron	Frank Merrill	Milan, MI	748
KTOQ	SD	Rapid City	Phil Bytheway	Seattle, WA	953
WBAC	TN	Cleveland	Dave Whatmough	Hamilton, ON	620

WBAC	TN	Cleveland	Gary Siegel	Toledo, OH	455
WKRМ	TN	Columbia	Gary Siegel	Toledo, OH	460
WGRV	TN	Greeneville	Barry McLarnon	Ottawa, ON	735
WGRV	TN	Greeneville	Russ Edmunds	Blue Bell, PA	495
WKGN	TN	Knoxville	Andy Rugg (SK)	Pointe Claire, QC	848
WKGN	TN	Knoxville	Carl Dabelstein	Omaha, NE	741
WLOK	TN	Memphis	George Santulli	Cranford, NJ	950
WCDT	TN	Winchester	Russ Edmunds	Blue Bell, PA	687
WCDT	TN	Winchester	Charles Reh	Leamington, ON	511
KWKC	TX	Abilene	Tim Hall	US 6/50 at NV/UT Border, UT	922
KHLB	TX	Burnet	Carl Dabelstein	Lincoln, NE	700
KAND	TX	Corsicana	Frank Wheeler (SK)	Erie, PA	1139
KSET	TX	El Paso	John Wilkins	West Des Moines, IA	974
KLBK	TX	Lubbock	John Wilkins	West Des Moines, IA	711
KRBA	TX	Lufkin	Carl Dabelstein	Lincoln, NE	665
KPDN	TX	Pampa	John Johnson	Sheridan, WY	714
KOLE	TX	Port Arthur	Carl Dabelstein	Lincoln, NE	769
KTEO	TX	San Angelo	Wayne Heinen	Colorado Springs, CO	565
KVIC	TX	Victoria	Ernie Wesolowski	Omaha, NE	860
KVIC	TX	Victoria	Carl Dabelstein	Omaha, NE	860
KTMP	UT	Heber City	Shawn Axelrod	Winnipeg, MB	940
KTMP	UT	Heber City	Tim Hall	US 6/50 at NV/UT Border, UT	170
KMTI	UT	Manti	Wayne Heinen	Colorado Springs, CO	367
WVNR	VT	Poultney	Russ Edmunds	Blue Bell, PA	253
WVNR	VT	Poultney	Barry McLarnon	Ottawa, ON	181
WSTJ	VT	St. Johnsbury	Jeff Falconer	Clinton, ON	479
WSTJ	VT	St. Johnsbury	Bruce Conti	Nashua, NH	119
WKEY	VA	Covington	Shawn Axelrod	Winnipeg, MB	1184
WKEY	VA	Covington	Gary Siegel	Toledo, OH	329
WHAP	VA	Hopewell	Barry McLarnon	Ottawa, ON	563
WHAP	VA	Hopewell	Gary Siegel	Toledo, OH	450
WJMA	VA	Orange	Gary Siegel	Toledo, OH	372
WVCV	VA	Orange	Barry McLarnon	Ottawa, ON	506
WBLB	VA	Pulaski	Russ Edmunds	Blue Bell, PA	368
KAGT	WA	Anacortes	John Campbell (SK)	Malnagen, Norway	4042
KLKI	WA	Anacortes	Tim Hall	Chilkoot Inlet, AK	901
KLKI	WA	Anacortes	Nancy Johnson	Billings, MT	689
KLKI	WA	Anacortes	Tim Hall	Jasper, AB	362
KTCR	WA	Kennewick	Tim Hall	Chula Vista, CA	1053
KTCR	WA	Kennewick	Tim Hall	Jasper, AB	463
KAPA	WA	Raymond	Tim Hall	Vancouver, BC	180
KUOW	WA	Tumwater	Ron Schiller (SK)	Coeur D'Alene, ID	292
KVSN	WA	Tumwater	Tim Hall	Georgian Strait (near Parksville), BC	174
KWWX	WA	Wenatchee	Tim Hall	West Glacier, MT	300
KWWX	WA	Wenatchee	Tim Hall	Trail, BC	167
WXKX	WV	Clarksburg	Barry McLarnon	Ottawa, ON	479
WXKX	WV	Clarksburg	Steve Francis	Alcoa, TN	317
WEPM	WV	Martinsburg	Barry McLarnon	Ottawa, ON	423
WEPM	WV	Martinsburg	Steve Francis	Alcoa, TN	415
WMON	WV	Montgomery	Gary Siegel	Toledo, OH	269
WXEE	WV	Welch	Gary Siegel	Toledo, OH	311
WLDY	WI	Ladysmith	Joe Kureth (SK)	Uniontown, MD	820
WLDY	WI	Ladysmith	Jeff Falconer	Clinton, ON	490
WJYI	WI	Milwaukee	Jeff Falconer	Clinton, ON	326
WRIT	WI	Milwaukee	John Johnson	Sheridan, WY	952
KSGT	WY	Jackson	Gary Siegel	Toledo, OH	1387
KYCN	WY	Wheatland	Phil Bytheway	Seattle, WA	933
KWOR	WY	Worland	John Rieger	L'Anse, MI	936
CIBQ	AB	Brooks	Shawn Axelrod	Winnipeg, MB	655
CIBQ	AB	Brooks	Niel Wolfish	Winnipeg, MB	655
CIBQ	AB	Brooks	Tim Hall	Omak, WA	372
CJCM	AB	Grand Centre	Phil Bytheway	Seattle, WA	708
CINL	BC	Ashcroft	Tim Hall	Peril Strait, AK	740

CINL	BC	Ashcroft	Tim Hall	Glacier National Park, MT	391
CINL	BC	Ashcroft	Tim Hall	Finlayson Channel, BC	333
CFKC	BC	Creston	Phil Bytheway	Seattle, WA	286
CKGF	BC	Grand Forks	Nancy Johnson	Aberdeen, WA	285
CKGF	BC	Grand Forks	Tim Hall	Lake Louise, AB	194
CKCR	BC	Revelstoke	Phil Bytheway	Seattle, WA	316
CKCR	BC	Revelstoke	Tim Hall	Fernie, BC	171
CIVH	BC	Vanderhoof	Tim Hall	Chilkoot Inlet, AK	560
CIVH	BC	Vanderhoof	Phil Bytheway	Seattle, WA	450
CIVH	BC	Vanderhoof	Tim Hall	Lake Louise, AB	373
CJNC	MB	Norway House	Shawn Axelrod	Swan River, MB	194
CKHV	NL	Happy Valley	Niel Wolfish	Louisbourg, NS	511
CFLW	NL	Wabush	Neil Kazaross	Pawtucket, RI	794
CJLS	NS	Yarmouth	Jeff Falconer	Clinton, ON	768
CJLS	NS	Yarmouth	Russ Edmunds	Little Silver, NJ	472
CFYK	NT	Yellowknife	Morris Sorensen (SK)	God's Lake Narrows, MB	898
CKNR	ON	Elliot Lake	Andy Rugg (SK)	Nuns' Island, QC	440
CKNR	ON	Elliot Lake	Gary Siegel	Toledo, OH	329
CFCH	ON	Hearst	Morris Sorensen (SK)	Leaf Rapids, MB	840
CFBQ	ON	Parry Sound	Jeff Falconer	Clinton, ON	310
CKAR1	ON	Parry Sound	Ron Schiller (SK)	Monmouth Beach, NJ	463
CKRE	ON	Red Lake	MB DXPedition&	Valhalla Beach, MB	125
CKOX	ON	Woodstock	Gary Siegel	Toledo, OH	176
CHAD	QC	Amos	Jeff Falconer	Clinton, ON	381
CJAN	QC	Asbestos	Gary Siegel	Toledo, OH	645
CJAN	QC	Asbestos	Charles Reh	Leamington, ON	589
CJAF	QC	Cabano	Andy Rugg (SK)	Montreal, QC	273
CHRD	QC	Drummondville	Neil Kazaross	Pawtucket, RI	279
CHRD	QC	Drummondville	Andy Rugg (SK)	Montreal, QC	73
CFOM	QC	Quebec	Gary Siegel	Toledo, OH	706
CJQC	QC	Quebec	Charles Reh	Leamington, ON	646
CKVT	QC	Temiscaming	MB DXPedition&	Arnes, MB	857
CFSL	SK	Weyburn	Carl Dabelstein	Omaha, NE	695
XEDH	MEX	Cd. Acuna, COA	Tim Hall	Big Bend National Park, TX	142
XEOS	MEX	Ciudad Obregon, SON	Tim Hall	Poway, CA	574
XELU	MEX	Ciudad Serdan, PUE	Tim Hall	Houston, TX	757
XEDKT	MEX	Guadalajara, JAL	Tim Hall	Chula Vista, CA	1174
XECW	MEX	Los Mochis, SIN	Tim Hall	Rancho Bernardo, CA	704
XEMT	MEX	Matamoros, TAM	Tim Hall	Junction, TX	348
XEAA	MEX	Mexicali, BCN	Ron Schiller (SK)	Monmouth Beach, NJ	2354
XENV	MEX	Monterrey, NL	Tim Hall	Fort Stockton, TX	394
XEBK	MEX	Nuevo Laredo, TAM	Don Trelford (SK)	Runaway Bay, Jamaica	1455
XEBK	MEX	Nuevo Laredo, TAM	Tim Hall	Big Bend National Park, TX	263
XERCH	MEX	Ojinaga, CHI	Tim Hall	4.5 mi NW of Fort Davis, TX	79
XESL	MEX	San Luis Potosi, SLP	Tim Hall	San Antonio, TX	531
XEZE	MEX	Santiago Ixcuintla, NAY		Tim Hall 16 miles west of Cabo San Lucas	
ZBM2	BER	Hamilton	Charles Reh	Leamington, ON	1185
ZBM2	BER	Hamilton	Marc DeLorenzo	Hyannis, MA	714
CMHU	CUB	Cienfuegos	Don Trelford (SK)	Runaway Bay, Jamaica	330
WGBY	CUB	Guantanamo Bay	Ron Schiller (SK)	Lighthouse Point, FL	543
WNOZ	PR	Aguadilla	Cesar Objio (SK)	Santo Domingo, DR	180
WWNA	PR	Aguadilla	Shawn Axelrod	Marigot, St.Martin	269
WSTA	VIR	Charlotte Amalie	Tim Hall	Crane Beach, Barbados	499
HRH6	HNDS	San Pedro Sula	Ron Schiller (SK)	Lighthouse Point, FL	920
PRH6	B	Belo Horizonte	Pete Taylor	Rio de Janeiro, Brazil	211
ZYH886	B	Sao Luis	Neil Kazaross	Ogunquit, ME	3577
HJFA	CLM	Barranquilla	Ron Schiller (SK)	Lighthouse Point, FL	1092
HJFB	CLM	Bogota	Carl Dabelstein	Lihue, HI	5806
----	CHN	Guangzhou	Pete Taylor	Hong Kong	95
BEC48	CHN	Matsu	Frank Merrill	Nenana, AK	4627
BBC	G	Lisnagarvey	Ron Schiller (SK)	Monmouth Beach, NJ	3190

MB DXPedition & = Shawn Axelrod, Wayne McRae

August 2018 Rockwork Cliff DXpedition

The Grand DXing Tour of Multiple Ocean Cliff Turnoff Sites

By Gary DeBock, Puyallup WA, USA February 2019

Introduction: Somehow during the past few years a wild and wacky ocean cliff on the Oregon coast near Manzanita has become a South Pacific DXing hotspot, drawing a serious contingent of west coast hobbyists each summer despite the straight down plunge of 500 feet (152 meters) to the rocky ocean beach below. For the first time ever we had 5 DXers participating this year, each with his own version of portable, breakdown antennas that could be constructed and disassembled repeatedly for sunrise DXing sessions. Initial skepticism that an ocean cliff can really enhance transoceanic DX signals seems to have given way to passionate conviction!



Unfortunately this year we would all face a new challenge – a huge increase in the “sleeping squatter” population, which had spread out and occupied prime antenna space at almost all of the Highway 101 turnoffs. Most of these individuals seemed to be motivated by saving the cost of a motel fee, although quite a few of them seemed to be living out of their vehicles, with various related personal issues. Driving up each morning at 0400 local time and setting up our antennas right next to these total strangers in total darkness right next to the plunging ocean cliff made for some exciting DXing sessions, in more ways than one.

Despite the wild local environment the South Pacific DX certainly didn't disappoint, with the best signals ever received from 558-Radio Fiji One, 1017-A3Z in Tonga and multiple Kiwi stations. DXpedition partner Tom Rothlisberger scored the biggest haul of South Pacific Longwave NDB beacons ever received on the North American west coast (55) on August 7 and 8, and I was able to track down the long range Australian beacon 260-NF on Norfolk Island (500 watts at 6.694 miles/10,773 km) myself with my Tecsun PL-380 Ultralight and 12 inch Longwave FSL on August 8. Craig Barnes joined us for the first time from Colorado, and was an extremely quick learner with his modified Tecsun PL-380 Ultralight and 3.5 inch Frequent Flyer FSL. Nick once again joined us from



Victoria BC, running relative DX signal strength tests at the various turnoffs – occasionally leaving Craig and I to guard his gear from the squatters as he went elsewhere. Finally Chuck joined our group during the latter part of the week, setting up his broadband loop and Perseus-SDR wherever there was enough space in between the squatters.

Because of the squatter proliferation I had a very interesting time, driving in overnight from Puyallup WA during the early morning of August 1 and setting up my multiple monster FSL's at the usual Rockwork 4 turnoff at 0400 local time – only to have a squatter walk up in the total darkness, demanding to know what I was doing on “his” turf. Although his claim to the real estate was a total farce I decided that chasing DX right next to his audio QRM was not going to accomplish much, so Craig and I moved to Rockwork 5 for our first morning session (which turned out to be awesome). In the next few days Craig and I (who worked together as a team) would end up at Rockwork 3, 4, 5 and 6 on various days, all because of the search for antenna space in between the squatters. All of the other DXers had similar challenges, with the exception of Tom (who was able to stay at Rockwork 4 for the duration, apparently by being big enough to scare away the squatters).

During this DXpedition I would use a couple of 7.5 inch loopstick XHDATA D-808 models as my primary receivers, with 531 kHz (only) recorded by a 7.5 inch loopstick CC Skywave SSB model. Two 15 inch and one 17 inch Monster FSL antennas provided some serious DXing gain, boosting up the distant South Pacific DX signals to strong levels. As usual the “Kiwi Cliff” provided a strong NZ-favoring mix of South Pacific DX, with Tom reporting 62 Kiwi and 43 Aussie MW stations for a total of 105 DU stations received on his Perseus-SDR and broadband loop during this trip. But it certainly seemed like Tom's record west coast haul of 55 Longwave South Pacific beacons really put this DXpedition on the all-time map – many of which were received for the first time in North America. Tom's own August 2018 Rockwork 4 DXpedition report (including many dazzling drone photos of the ocean cliff environment) is posted [here](#).

My own August 2018 Rockwork DXpedition video (showing the multiple FSL and Ultralight radio setups at Rockwork 6 on August 9th) is posted [here](#).

Listed below are the South Pacific signals from New Zealand, Australia, Fiji and Tonga received during the trip, along with a 500 watt Longwave beacon from Norfolk Island (in between NZ and



Australia). With the exception of the two Longwave beacons all of these were recorded at the Rockwork ocean cliff near Manzanita, Oregon from August 1-9 with 7.5" loopstick portables (CC Skywave SSB and XHDATA D-808) and "Airport Unfriendly" 15" and 17" FSL antennas. Signals which reached an S9 level at some point in the recording are marked with a **bold and underlined** frequency. As usual, sincere appreciation is expressed for all who assisted in station identification, especially my Kiwi English translator, Theo Donnelly of Burnaby BC.

- 260 **AUSTRALIA** NF, Norfolk Island, 500 watts. [AUG 8 1209](#) – The low power air navigation beacon made its first appearance in 7 years during a superb Longwave propagation opening. Received with a Tecsun PL-380 and 12" Longwave FSL, the same propagation opening was used by DXpedition partner Tom to track down an awesome total of 55 beacons from Australia, NZ and the Pacific.
- 277 **ALASKA** ACE, Homer, 50 watts(?). [AUG 9 1208](#) – Fairly rare Alaskan air navigation beacon with TWEB weather broadcast was one of the highlights of a Longwave Alaskan opening.
- 531 **AUSTRALIA** 2PM, Kempsey, 5 kW. [AUG 1 1245](#) – Call-in talk on the "Help Line" with the Super Radio Network mentioned (at the 22 second point); also showed up on most sessions with the Australian lottery numbers around 1320.
- 531 **AUSTRALIA** 4KZ, Innisfail, 10 kW (presumed). [AUG 8 1252](#) – Classic soft rock format at good strength matching the website info, but no IDs showing up for me or Tom; there isn't much doubt about identity, however.
- 531** **NEW ZEALAND** More FM, Alexandra, 2 kW. [AUG 8 1300](#) – The obscure modern rock station usually managed at least one S9 peak each morning, and was fully competitive with Kiwi co-channel PI for the first time. This TOH recording demonstrates its potent capability at the cliff.
- 531** **NEW ZEALAND** PI, Auckland, 5 kW. [AUG 7 1248](#) – Pacific island music at a huge level at 1248 on 8/7 was typical from this low band powerhouse, which was frequently in an all-Kiwi snarl with its overachieving co-channel More FM.
- 558 **AUSTRALIA** 6WA, Wagin, 50 kW. [AUG 9 1254](#) – Last chance reception on the final day of the DXpedition before being immediately swallowed up by Fiji; this was its fourth appearance in four years at the cliff. Although this was a somewhat dicey recording, the operative words (from 30 to 35 seconds) are "you have to be extremely careful of the vanity publishing area"). ABC website Podcast material matching the "operative words" on the Nightlife program (proving 6WA reception) is [here](#).
- 558** **FIJI** Radio Fiji One, Naulu, 10 kW. [AUG 1 1252](#) – The donated Japanese transmitter still puts out awesome signals for this native-language powerhouse, including this S9 island music with a Song Medley ID ("Radio Fiji One, na domoiviti") at 1:38 into this recording at 1252 on 8/1. This was its strongest signal ever at the cliff. [AUG 9 1255](#) – More of the typical island choral music, with good strength. [AUG 8 1331](#) – "I Love a Rainy Night" (the old Eddie Rabbitt song) sung in Fijian style at 1331 on 8/8.
- 558 **NEW ZEALAND** Radio Sport, Invercargill, 5 kW. [AUG 5 1307](#) – One of the tougher Kiwis came through with Yankee-accented Fox Sports News relay //792, showing up for the first time in three years.
- 567** **NEW ZEALAND** Radio New Zealand National, Wellington, 50 kW. [AUG 3 1320](#) – After demolition of its old tower the Radio New Zealand big gun has sometimes sounded anemic on the west coast, but certainly not at this time, with Indian-accented English.
- 576 **AUSTRALIA** 2RN, Sydney, 50 kW. [AUG 5 1253](#) – The RN network big gun sounded pretty anemic on the "Kiwi Cliff" throughout the entire trip, such as this time, when it was barely stronger than the "dwarf Star."
- 576 **NEW ZEALAND** Star, Hamilton, 2.5 kW. [AUG 5 1253](#) – The "dwarf Star" manages music under 2RN, which is // 657-Star at the same time (as recorded [here](#)).
- 585** **AUSTRALIA** 7RN, Hobart, Tasmania, 10 kW. [AUG 6 1306](#) – The RN network Tasmanian must have somehow hacked into the Kiwi propagation pipeline; at the time it was much stronger than its 576 parallel.

- 585 **NEW ZEALAND** Radio Ngati Porou, Ruatoria, 2 kW. [AUG 6 1306](#) – This is one of the toughest possible catches from New Zealand. During the 7RN recording some choral music is audible under Tasmania, and after about a minute I decided to check for a Maori net parallel on 603-Waatea (at 2:08 into the recording). Much to my surprise 603 had the same choral music, nailing down reception of this station with legendary weakness (for the first time in 4 years).
- 594 **AUSTRALIA** 3WV, Horsham, 50 kW. [AUG 3 1326](#) – This Oz big gun was mostly cannon fodder for the Kiwi co-channel Star, rarely even managing a decent signal-- one more victim of the cliff's preference for New Zealand.
- 594** **NEW ZEALAND** Star Timaru/Wanganui, 5 kW/2 kW. [AUG 3 1326](#) – Another Kiwi overachiever, this low powered network was socking it to the Oz big gun 3WV all week, including with this powerful Christian music // 657.
- 603 **AUSTRALIA** 2RN, Nowra, 10 kW. [AUG 1 1256](#) – Mostly MIA or way under Radio Waatea, it did manage a very rare moment of dominance.
- 603 **NEW ZEALAND** Radio Waatea, Auckland, 5 kW. [AUG 3 1318](#) – This Maori net flagship station was one of the stronger Kiwi signals, but never quite reached the blistering levels of 531-PI, 567 and 657. This beautiful music was typical.
- 639 **AUSTRALIA** 2HC, Coff's Harbour, 5 kW. [AUG 1 1318](#) – Call-in talk format apparently // 531.
- 639 **NEW ZEALAND** Radio New Zealand National, Alexandra, 2 kW. [AUG 1 1317](#) – This low power relay had its best signal ever at the cliff with male conversation // 567.
- 657** **NEW ZEALAND** Star, Wellington/Tauranga, 50 kW/10 kW. [AUG 6 1238](#) – The flagship Star station sure was playing the part with Christian music at an overwhelming level, including an ID at the end of this recording. [AUG 2 1302](#) – Star's New Zealand news at very good strength.
- 675 **NEW ZEALAND** Radio New Zealand National, Christchurch, 10 kW. [AUG 5 1241](#) – Very good strength // 567 with female Kiwi English speech.
- 702** **AUSTRALIA** 2BL, Sydney, 50 kW. [AUG 5 1259](#) – The Oz big gun was usually dominant over the Kiwi oldies station Magic, such as with this S9 signal (with 6 pips at the TOH).
- 702 **NEW ZEALAND** Magic, Auckland, 10 kW. [AUG 2 1228](#) – Despite the Kiwi-slanted cliff this oldies station lost out to 2BL almost every session. One rare moment of dominance was at this time.
- 738 **NEW ZEALAND** Magic, Christchurch, 5 kW. [AUG 3 1256](#) – Usually pretty tough to track down with decent strength, this oldies relay had one of its best signals ever with "That'll Be the Day."
- 756 **NEW ZEALAND** Radio New Zealand National, Auckland, 10 kW. [AUG 3 1308](#) – Good signal // 567 with male Kiwi English speech.
- 765 **NEW ZEALAND** Radio Kahungunu, Napier-Hastings, 2.5 kW. [AUG 1 1218](#) – The overachieving Maori station was its usual potent self with island music and Maori chants; it was usually slightly stronger than its 603 parallel (Radio Waatea).
- 774 **AUSTRALIA** 3LO, Melbourne, 50 kW. [AUG 9 1239](#) – Female speech at good strength // 702.
- 774 **NEW ZEALAND** Radio Sport, New Plymouth, 5 kW. [AUG 4 1234](#) – This Kiwi relay of Fox Sports News (during our sunrise sessions) had a rough time up against 3LO, but was audible with Yankee English during the early part of this recording.
- 792 **NEW ZEALAND** Radio Sport, Hamilton, 5 kW. [AUG 8 1327](#) – Showing up weakly with Yankee-accented sports talk.
- 855 **UnID-DU** [AUG 9 1316](#) – Strong rhythmic music not // 702 and not sounding like NZ's (Christian) Rhema network. According to Nick this mystery station was also heard by Bill W at Grayland on the same morning. No parallels were available, but evidence seems to indicate the 2 kW station 3CR in Melbourne, Australia.
- 936** **NEW ZEALAND** Chinese Voice, Auckland, 1 kW. [AUG 2 1309](#) – One of the most incredible signals of the entire DXpedition – the 1 kW ethnic station pounds into the cliff at an S9 level – ocean cliff propagation at its finest!
- 963 **NEW ZEALAND** Star, Christchurch, 10 kW. [AUG 3 1309](#) – Good strength through some splatter with Christian music // 657.
- 1017 **AUSTRALIA** 2KY, Sydney, 5 kW. [AUG 8 1304](#) – The Oz horse racing station gamely tried a matchup with its Tongan co-channel in this recording, but should have stayed behind the gate.
- 1017** **TONGA** A3Z, Nuku'alofa, 10 kW [AUG 1 1314](#) – Yikes! The rejuvenated Pacific island big gun thunders into the cliff with the strongest signal I've ever heard recorded in North America, featuring island music... almost loud enough to wake up the sleeping squatters.

[AUG 1 1221](#) – This booming Tongan island music was received on the same morning. [AUG 2 1318](#) – On the second day, Tonga "only" reached an S9 level with its beautiful island music. [AUG 3 1250](#) – The new Big Gun DU pounds in with S9 music. [AUG 8 1304](#) – The 5 kW Australian station 1017-2KY tries to make it a horse race, but ends up folding in the clutch. [AUG 8 1304](#) – The exact same segment was recorded on the stand-alone 7.5" loopstick XHDATA D-808 model (all the others were assisted by the 17" FSL antenna). Even the hot-rodded portable receives a fine signal from Tonga (and a sinking signal from Sydney).

1026 **NEW ZEALAND** Newstalk ZB, Kaitaia/Whangarei, 2/2 kW. [AUG 5 1326](#) – Male Kiwi English conversation at fair level // 1035.

1035 **NEW ZEALAND** Newstalk ZB, Wellington, 10 kW. [AUG 2 1320](#) – Certainly an underperformer for the power level, suffering from an IBOC pest near the frequency. It managed a weak signal at this time.

1503 **NEW ZEALAND** Radio Sport, Wellington/Christchurch, 5/2.5 kW. [AUG 8 1318](#) – Easily the strongest of the Radio Sport frequencies, with a couple of network ID's and an advertisement.

Other Resources

Supercharging the XHDATA D-808 model (7.5 inch Medium Wave and Longwave Loopstick Transplant Article): can be found [here](#).

Top Ten Signals from the South Pacific can be found [here](#).



Unreported Domestic Stations

One station was reported to DDXD this issue for the first time since at least Volume 67 (1999-2000): WKXR-1260. In addition, three long-silent stations on the unreported list have now been permanently deleted: WGSB-1060, KBHC-1260, and WAGS-1380. Thus, the count of unreported stations over this period falls to 352 (out of 4,697 full-service AM stations currently licensed in the U.S. and Canada – i.e., excluding TIS/HAR stations and Canadian LPRTs). The full unreported list was last printed in issue 85-19. Can you hear and report one next time?

NOAA Space Weather Outlook

Issued March 11, 2019 – For the period March 11-April 6, 2019

<http://www.swpc.noaa.gov/products/weekly-highlights-and-27-day-forecast>

Solar activity is expected to be at very low to low levels throughout the outlook period.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to range from normal to very high levels. Very high levels are expected on 29/30 Mar; high levels are expected on 11 Mar, 14-19 Mar, 27-28 Mar, and 31 Mar - 06 Apr; moderate levels are expected on 12/13 Mar and 20-22 Mar; mostly normal levels are expected 23-26 Mar. All elevated levels of electron flux are anticipated due to influence from multiple, recurrent CH HSSs.

Geomagnetic field activity is expected to range from quiet to G1 (Minor) geomagnetic storm levels. G1 conditions are expected 11 Mar due to possible glancing blows from the 8 Mar CMEs. Active conditions are expected 12 Mar - 15 Mar due to waning CME activity followed by HSS effects from a negative polarity CH. Unsettled to quiet conditions are expected 16-17 Mar as CH effects wane.

2019 IRCA Convention: The 2019 IRCA Convention will be held on September 5, 6, and 7 at the Courtyard by Marriott Seattle Southcenter, 400 Andover Park West, Tukwila WA 98188. Registration is free to IRCA members, \$25 to non-members. Banquet (TBA) will be paid for individually by attendees. Guest room rate is \$109 plus tax. Guests are encouraged to share a room and save. Phone number(s) for room reservations are 800-321-2211 or 206-575-2500. You must mention International Radio Club of America Convention to get this rate. Hotel is 2 miles east of Sea-Tac Airport. There is also an Amtrak station in Tukwila just Northeast of the hotel. Parking at hotel is free. There are many restaurants and stores nearby and inside the hotel. Other amenities include business center, pool, free Wifi, etc.... Visitor's bureau is online at visitseattle.org. Your host for this event is Mike Sanburn: mikesanburn@hotmail.com

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