

# DX News

Serving DXers since 1933



Volume 83, No. 20 • September 19, 2016 • (ISSN 0737-1639)

## Inside this issue . . .

2 ... AM Switch	14 ... Geomagnetic Indices	29 ... Space Weather Report
6 ... Musings of the Members	15 ... International DX Digest	30 ... Int'l DX Achievements
7 ... Domestic DX Digest East	18 ... Pro Sports Nets (NFL)	30 ... Index to Volume 83
10 ... Domestic DX Digest West	26 ... DX Toolbox	31 ... FCC Silent Station List
14 ... Confirmed DXer	27 ... August Rockwork DXPed	32 ... Club Info Page

**From the Publisher:** And this issue wraps up the 83rd volume of *DX News*. Thanks to all of our editors and contributors. It is really a pleasure for me to work with everyone who puts in so much work every issue to make *DX News* the first-class DX hobby publication that it is.

And what for Volume 84? We are back to biweekly issues now that the DX season is in full swing, and we will be biweekly now without interruption until March. That's a lot of pages to fill – with your DX, of course, but what else would you like to see here? I'd love to hear your ideas – especially if you can also volunteer help us to implement them! You can reach me by email at [NRCDXNews@gmail.com](mailto:NRCDXNews@gmail.com).

**Convention 2017?** With the Kansas City convention ongoing as this issue goes to press, it's time to think about submitting a bid for an NRC Convention or Joint Club Convention for 2017! For info on how to bid and what to consider if you are thinking of hosting a convention, contact Ernie Wesolowski, 13312 Westwood Lane, Omaha NE 68144-3543, [neerniew@yahoo.com](mailto:neerniew@yahoo.com).

And we're hoping to have a good report from the convention soon. I'm missing the convention this year (work schedule conflicts) but am looking forward to hearing about how it went!

**E-DXN.com:** Don't forget our e-DXN.com site, where you can get your *DX News* a week early in .pdf format. We have a few other good things at e-DXN too – including an interim AM Switch

column every week that *DX News* is not published, plus many other features!

### Volume 84 DX News Schedule

No	D'dline	Print	No	D'dline	Print
1	Sept. 23	Oct. 3	11	Feb. 10	Feb. 20
2	Oct. 7	Oct. 17	12	Feb. 24	Mar. 6
3	Oct. 21	Oct. 31	13	Mar. 17	Mar. 27
4	Nov. 4	Nov. 14	14	Apr. 7	Apr. 17
5	Nov. 18	Nov. 28	15	Apr. 28	May 8
6	Dec. 2	Dec. 12	16	May 26	June 5
7	Dec. 16	Dec. 26	17	June 23	July 3
8	Dec. 30	Jan. 9	18	July 21	July 31
9	Jan. 13	Jan. 23	19	Aug. 18	Aug. 28
10	Jan. 27	Feb. 6	20	Sept. 8	Sept. 18

### Membership Report

**New Members:** Welcome to new member Martin Lange.

**Returning Members:** And welcome back to Alan Furst, Lees Summit, MO; Keith McGinnis; and Richard M. Ray, Burr Ridge, IL.

**Renewing Members:** Thanks for the ongoing support of Francesco Clemente; Glenn Cooper; W.C. Cornwall; Arthur Delibert; Douglas Foster; Ramon J. Gordillo; Paul Hansen; James Niven; Stephen Ponder; John T. Ridge; Robert Rodriguez; Anthony Rogers; Sheldon Rubin; Wolfgang Schneiter; Robert P. Smolarek; David Snellman; Michael Sunseri; John Varljen; Matthew Wrench; and David M. Wurl.

### 37th Edition of the National Radio Club's AM Radio Log

The *AM Radio Log* is a source for information on AM radio stations in the United States and Canada. The 37th edition of the Log contains 300 pages of data and cross references and 12 pages of instructions in 8-1/2" x 11" size, 3-hole punched, U.S. looseleaf format. This publication fits nicely into a 1" three-ring binder. 9,000+ updates since last year's 36th Edition of the log! New for this year is a cross reference by State/Province 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 book), a cross reference of those stations that are licensed to use IBOC (In Band On Channel) digital audio, and a comprehensive list of FM translators that are now simulcasting with AM broadcasters.

Order by snail mail by check or money order in US funds to National Radio Club, P.O. Box 473251, Aurora, CO 80047-3251 or order using your Pay Pal account at <http://www.nrcdxas.org>. Prices are: to U.S. addresses by Priority Mail, \$26.95 for NRC members, \$30.95 for nonmembers; to Canada US\$39.25 by Global Priority Mail; outside North America US\$49.75 by Global Priority Mail.

# AM Switch

David Yocis, 9412 Ferry Landing Ct., Alexandria VA 22309, [NRCDXNews@gmail.com](mailto:NRCDXNews@gmail.com)

Canadian info – Compiled by Shawn Axelrod and Dan Sys

NRC AM Log updates from Wayne Heinen, [amradiolog@nrccdxas.org](mailto:amradiolog@nrccdxas.org)

## *Official updates from the FCC and the CRTC*

### CALL CHANGES

- 1260 KMZT CA Beverly Hills – Call change to KBOQ (Sept. 7).  
 1400 KQMS CA Redding – Call change to KNRO (Aug 21).  
 1510 WLRB IL Macomb – Call change to WYEC (Aug. 31).  
 1670 KNRO CA Redding – Call change to KQMS (Aug. 21).



### NEW STATION WATCH

- 1490 CHTO1 ON Mississauga – CP for new station granted, U1 23/770, will be // CHTO-1690.

### STATIONS GOING DARK (OR NOT)

- 980 WKLF AL Clanton – The FCC has formally reinstated these deleted call letters; station has been (mostly) on air while license renewal has been in FCC limbo for years.

### CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs fully licensed and on the air:

- 570 CFCB NL Corner Brook – CP for U1 10000/1000 is on the air.  
 650 CISL BC Richmond – CP for U4 20000/4000 is on the air.  
 950 WXLW IN Indianapolis – CP for U1 1000/13 is on the air.  
 1150 CKOC ON Hamilton – CP for U4 50000/20000 is on the air.  
 1290 WTKS GA Savannah – CP for U2 5300/5000 is on the air.  
 1470 WKUM PR Orocovis – CP for U1 2400/3700 is on the air.  
 1690 CHTO ON Toronto – CP for U1 6000/1000 (ch 3000) is on the air.



CPs constructed, awaiting final licensing:

- 1540 KTGG MI Okemos – Applies for license to cover CP for D1 400 (ch 219), ex-Spring Arbor MI, new site at 42-09-13/84-32-57.

CPs granted:

- 720 WHYF PA Shiremanstown – Granted CP for D1 3900 at new site (40-18-11/76-57-14).  
 740 CBNZ NL Nain – LPRT granted CP to move to 95.1 MHz FM.  
 780 WIIN MS Ridgeland – Granted CP for D1 4400 at WSFZ/WOAD site (32-23-12/90-09-47).  
 930 WSFZ MS Jackson – Granted CP for U1 3700/60.  
 1150 KIMM SD Rapid City – Granted CP for U1 5000/36.  
 1280 KWHI TX Brenham – Granted CP for U5 3800/72.  
 1300 WOAD MS Jackson – Granted CP for U1 3600/730.  
 1340 KDTD KS Kansas City – Granted CP for U1 950/910 at new site (39-04-05/94-42-09).

Amendment to CP granted:

- 630 WREY MN St. Paul – Has CP for U4 5000/1600 from a new site; granted amendment so CP is now for U4 3000/2400 from existing site.

Applications for CPs received:

- 1550 WLOR AL Huntsville – Applies for U1 28000/15.  
 1570 KVAM CO Loveland – Applies for U1 1000/40 from its current STA site (40-29-36/105-10-53); has lost its licensed site.



Application to amend CP received:

- 1220 WSRQ FL Sarasota – Has a CP for U4 1000/4 from a new site; applies to amend CP to U1 770/15 from existing site.

SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

580	KZMX	SD	Hot Springs	–	Granted STA with U1 200/200; transmitter problems.
630	WREY	MN	St. Paul	–	Granted STA with parameters at variance during CP completion.
710	KXMR	ND	Bismarck	–	Granted STA for U7 25000/4000 (ch 13000).
890	KJME	CO	Fountain	–	Granted STA with U1 1250/145, site damaged by wildfire.
1060	KDUZ	AZ	Tempe	–	Granted STA with U1 5000/125, in process of losing tower site.
1080	KCNM	MP	Saipan	–	Granted STA for U1 500/500, using 72.5 feet of aluminum tubing as an antenna.
1280	KFRN	CA	Long Beach	–	Granted STA with U5 880/880; antenna monitor problem.
1400	WFLA	FL	Fort Lauderdale	–	Granted STA with D1 500 from the CP site; will eventually duplex with WEXY-1520, needs to broadcast to maintain license and hasn't yet installed equipment to avoid disruption to WEXY's night pattern.
1440	KEYS	TX	Corpus Christi	–	Granted STA for U1 1000/250; can't switch to night pattern.
1460	WPON	MI	Walled Lake	–	Granted STA for D1 25 from temporary site and antenna.
1470	WAZN	MA	Watertown	–	Granted STA for U3 1400/1400, using day pattern 24 hours.
1500	KHKA	HI	Honolulu	–	Granted STA with U1 5000/5000, flooding at transmitter site,
1590	WNTS	IN	Beech Grove	–	Granted STA for U2 4000/500 (damage from lightning strike on July 23).

Applications for STAs received:

680	WKAZ	WV	Charleston	–	Applies for STA with U1 4800/68, vandalism to transmitter site.
900	WMNB	SC	North Myrtle Beach	–	Applies for STA with temporary longwire antenna.
1040	KLHT	HI	Honolulu	–	Applies for STA with temporary tower, to accommodate construction of light rail near tower site.

Extensions to existing CPs granted:

560	WNSR	TN	Brentwood	–	U1 1125/75 from licensed night site.
590	WKZO	MI	Kalamazoo	–	U1 5000/1250.
620	WRJZ	TN	Knoxville	–	U1 5000/1250.
850	WFTL	FL	West Palm Beach	–	U4 25000/10000 with parameters at variance.
990	KZZB	TX	Beaumont	–	U1 250/250.
1110	WOMN	LA	Franklinton	–	D1 145 from WUUU-98.9 tower.
1140	KXNT	NV	North Las Vegas	–	Parameters at variance.
1150	KIMM	SD	Rapid City	–	To use CP facilities.
1170	WGMP	AL	Montgomery	–	Reduced day power, unspecified.
1210	WLRO	LA	Denham Springs	–	U1 10000/250
	KHKR	UT	Washington	–	Reduced day power, unspecified.
1230	WLNR	NC	Kinston	–	Reduced power, unspecified.
1250	KDEI	TX	Port Arthur	–	Modified pattern.
1310	KEZM	LA	Sulphur	–	U1 125/12½ from alternate site.
1330	WINT	OH	Willoughby	–	U1 125/11.
1500	WKIZ	FL	Key West	–	Parameters at variance.
1530	WOBX	NC	Wanchese	–	D1 250.
1570	KVAM	CO	Loveland	–	D1 90 from temporary site.
1660	WWRU	NJ	Jersey City	–	Parameters at variance.



Applications to extend existing STAs received:

540	WETC	NC	Wendell-Zebulon	–	Parameters at variance.
567	KGUM	GU	Agaña	–	U1 5000/5000 from a temporary longwire antenna.
620	WZON	ME	Bangor	–	U1 5000/500.
820	WWLZ	NY	Horseheads	–	U1 4100/250.
940	WGFP	MA	Webster	–	Use of experimental "high-efficiency broadband antenna."
950	WTLN	FL	Orlando	–	U4 12000/10000 due to Cuban QRM.
970	KUFO	OR	Portland	–	Parameters at variance.
1010	KIND	KS	Independence	–	Using KIND-FM-94.9 tower and site.
1090	KAAY	AR	Little Rock	–	U1 50000/10000.
1260	WRIE	PA	Erie	–	U4 5000/1250, day pattern 24 hours.
1310	KKNS	NM	Corrales	–	U1 500/125, temporary antenna and site.
1410	KMYC	CA	Marysville	–	U1 1250/250.
1460	WKHZ	MD	Easton	–	Parameters at variance.

SILENT STATIONS

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

- 580 KZMX SD Hot Springs – Silent Feb. 3; on the air Aug. 30 with STA.  
 790 KEJY CA Eureka – Silent Sept. 1 (2015); on the air Aug. 22 with STA.  
 1300 KCMY NV Carson City – Silent May 4, on the air Aug. 27.  
 1480 KBXD TX Dallas – Silent June 27; on the air Aug. 19.  
 KHQN UT Spanish Fork – Silent Oct. 15 (2015), on the air May 15 but just notified now.  
 1490 KFCR SD Custer – Silent Feb. 3; on the air Aug. 26.

Stations informing the FCC that they are silent:

- 950 WNZZ AL Montgomery – Silent Sept. 1, new owner has no staff to run station.  
 1110 WOMN LA Franklinton – Silent Aug. 11, flood damage to site.  
 1120 KLIM CO Limon – Silent July 27, transmitter site vandalism.  
 1290 WWHM SC Sumter – Silent Aug. 11, tower hit by lightning.  
 1310 WPBC GA Decatur – Silent Aug. 27, has lost licensed tower site.  
 1370 KTPA AR Prescott – Silent Aug. 26, transmitter failure.  
 1390 WFBL NY Syracuse – Silent Sept. 3, equipment problems and no money for repairs.  
 1490 KXLQ IA Indianola – Silent Aug. 25, transmitter problems.  
 WSTP NC Salisbury – Silent Aug. 31, for “business reasons.”  
 WPAK VA Farmville – Silent Aug. 3, unspecified “technical difficulties.”  
 1570 WLEE MS Winona – Silent Aug. 25, staffing problems.  
 1580 WTCL FL Chattahoochee – Silent May 19 (but just notified now); has had financial issues but just signed a new time brokerage agreement and should be back on soon.  
 WPKY KY Princeton – Silent Aug. 23 during repair work; shouldn’t be off long.  
 1590 WPUL FL South Daytona – Silent Aug. 22, toxic mold problem at the main studio.  
 1600 WMCR NY Oneida – Silent Sept. 2, equipment problems and no money for repairs.

Wow – that’s a lot of newly silent stations. The latest FCC AM silent station list (containing 94 stations) is found on page 31.

COORDINATE CORRECTION

- 1450 WIZS NC Henderson – Applies for CP to correct coordinates to 36-20-14/78-25-11.  
 1570 KNDY MS Marysville – CP to correct coordinates to 39-51-28/96-38-56 is on the air.

*NRC AM Log Updates*

- 540 KMLB LA Monroe – Slogan to “News Talk 105.7 & 540,” adds // K289CG-105.7 (FCC).  
 600 WSOM OH Salem – Slogan to “America’s Music”  
 620 WVMT VT Burlington – Slogan to “Number One for News and Talk.”  
 630 KWRO OR Coquille – Adds // K266CD-101.1 (FCC)  
 WPRO RI Providence – Slogan to “News Radio 630 and 99.7 FM.”  
 670 WIEZ PA Lewistown – Adds // W225CK-92.9. (FCC)  
 730 WDOS NY Oneonta – Slogan to “CNY News,” adds // WDLA-1270, delete Group // CNY News. (SF)  
 WFMC NC Goldsboro – Adds // W289CG-105.7. (FCC)  
 770 KKOB NM Albuquerque – Adds // K233CG-94.5. (ER)  
 WYRV VA Cedar Bluff – Format to GOS (ex-VAR); slogan to “God’s Country.”  
 800 WMGY AL Montgomery – Slogan & Group to // Montgomery’s Gospel Station. (FCC)  
 910 WAVL PA Apollo – Format to TLK/SPT (ex-Silent); slogan to “PA Talk,” networks to SRN/CM/RER/FSR; adds // W254CR-98.7.  
 920 WGNU IL Granite City – Format to BIZ (ex-SPT/UC:GOS (wknds)); drops nets.  
 930 KOGA NE Ogallala – Networks to Fox/Ne/WW1. (WH)  
 WRVC WV Huntington – Slogan to “ESPN 94.1,” adds // W231BS-94.1.  
 950 KJRG KS Newton – Adds // K295CL-106.9. (FCC)  
 970 WCHN NY Norwich – Format to SPT (ex-Silent); networks to ESPN; delete Group // CNY News. (SF)  
 WMPW VA Danville – Format to AC (ex-C&W); slogan to “105.9 More-FM,” add // W279AO-105.9.  
 980 WDVH FL Gainesville – Slogan & Group to // I Am Country.  
 1060 KTNS CA Oakhurst – Slogan to “La Maquina Musical.”  
 1070 WFRF FL Tallahassee – Format to SS:REL (ex-REL); slogan to “Radio Fe,” adds // W262CC-100.3; Group // Faith Radio. (TK)

1080	WFTD	GA	<b>Marietta</b> – Format to Vietnamese (ex-ETH). (TK)
1110	WMBI	IL	<b>Chicago</b> – Adds // W268AY-101.5. (FCC)
1130	KQNA	AZ	<b>Prescott Valley</b> – Slogan & Group to // The Talk of the Quad Cities. (FCC)
	KLEY	KS	<b>Wellington</b> – Format to AC (ex-NWS/TLK); slogan to “The Wave,” networks to KAg; delete // KKLE-1550.
	WRRL	WV	<b>Rainelle</b> – Adds // W299CF-107.7. (FCC)
1170	KFAQ	OK	<b>Tulsa</b> – Networks to A/CM/P/C2C. (GH)
1220	WQUN	CT	<b>Hamden</b> – Format to AC:OLD (ex-NOS); slogan to “Great Music & Local News,” networks to C/WW1.
	KOFO	KS	<b>Ottawa</b> – Adds // K279CS-103.7. (FCC)
1230	KFPW	AR	<b>Fort Smith</b> – Adds // K244FJ-96.7. (FCC)
	KORT	ID	<b>Grangeville</b> – Group to // KORT-FM-92.7.
	WAMM	VA	<b>Woodstock</b> – Format to Americana (ex-C&W); delete slogan.
1240	WJLX	AL	<b>Jasper</b> – Slogan to “Oldies 101.5 & 1240.”
	WSQL	NC	<b>Brevard</b> – Format to Rock/OLD (ex-AC/C&W/TLK); slogan “Q-102,” drop nets.
	WNVL	TN	<b>Nashville</b> – Adds // W286CY-105.1. (FCC)
1260	KWEI	ID	<b>Weiser</b> – Format to Stunting (ex-SS:AC); delete slogan.
	WWIS	WI	<b>Black River Falls</b> – Adds // W287CT-105.3. (FCC)
1270	KFLC	TX	<b>Benbrook</b> – Format to SS:REL (ex-SS:Romantica); slogan to “Amor Celestial.”
	WDLA	NY	<b>Walton</b> – Slogan to “CNY News,” adds // WDOS-730; delete Group // CNY News. (SF)
1300	WSSG	NC	<b>Goldsboro</b> – Slogan & Group to // Jack FM.
1340	WCMJ	KY	<b>Ashland</b> – Slogan to “Cat Sports 93.3,” add // W227CI-93.3; delete Group // ESPN 94.1.
	WLVL	NY	<b>Lockport</b> – Adds // W287CV-105.3. (FCC)
	WVCV	VA	<b>Orange</b> – Format to Rock/OLD (ex-C&W); slogan to “105.5 Sam FM,” networks to A/WW1; adds // WOJL-105.5; deletes // WJMA-103.1.
1350	WNLK	CT	<b>Norwalk</b> – Slogan to “Peace & Love Radio.”
1360	WIXI	AL	<b>Jasper</b> – Slogan & Group to // The Heartbeat of the City.
	WLBK	IL	<b>Dekalb</b> – Slogan to “Local News and Information Station.”
1370	WTAB	NC	<b>Tabor City</b> – Slogan to “Country Classics,” “Good Time Gospel.”
1380	WVSA	AL	<b>Vernon</b> – Slogan to “Sports 1380.”
1390	WAJD	FL	<b>Gainesville</b> – Adds // W255CV-98.9. (FCC)
1400	WJLD	AL	<b>Fairfield</b> – Slogan & Group to // The Heartbeat of the City.
	KNRO	CA	<b>Redding</b> – Format to SPT (ex-NWS/TLK); networks to FSR; adds // K280GP-103.9; delete // KQMS-FM-99.3.
	WFTG	KY	<b>London</b> – Adds // W295CC-106.9. (FCC)
	KBYG	TX	<b>Big Spring</b> – Format to Rock/OLD (ex-OLD); networks to A/WW1.
	KEDO	WA	<b>Longview</b> – Adds // K256CQ-99.1. (FCC)
	WRJN	WI	<b>Racine</b> – Adds // W260CV-99.9. (FCC)
1410	WQBQ	FL	<b>Leesburg</b> – Format to UC:AC/GOS (ex-UC:GOS); slogan to “The Q 1410.”
	WSCW	WV	<b>South Charleston</b> – Format to TLK (ex-REL); slogan to “The Light-Talk That Matters,” networks to SRN.
1420	WINI	IL	<b>Murphysboro</b> – Networks to WW1.
1450	KOBO	CA	<b>Yuba City</b> – Adds // K243CF-96.5. (FCC)
	WSNO	VT	<b>Barre</b> – Format to CHR (ex-TLK/SPT); slogan to “105.7 The Beat,” delete nets, add // W289CH-105.7.
1460	KDMA	MN	<b>Montevideo</b> – Slogan to “Your News & Information Station.”
1470	WTOE	NC	<b>Spruce Pine</b> – Slogan to “Good Times, Great Oldies.”
1480	KHQN	UT	<b>Spanish Fork</b> – Format to REL (ex-Silent).
1490	KNZB	CA	<b>Petaluma</b> – Slogan & Group to // El Patron.
	WCVA	VA	<b>Culpeper</b> – Format to C&W (ex-Rock/OLD); slogan & Group to // Today’s Country; delete Group // SAM FM 105.5.
	KTEL	WA	<b>Walla Walla</b> – Slogan & Group to // ESPN Walla Walla.
1530	WYMM	FL	<b>Jacksonville</b> – Adds // W243DO-96.5. (FCC)
	KGBT	TX	<b>Harlingen</b> – Format to SS:REL (ex-SS:TLK); slogan to “Amor Celestial 1530,” drop networks.
1550	KKLE	KS	<b>Winfield</b> – Slogan to “News Talk 1550,” delete // KLEY-1130.
	KQNM	NM	<b>Albuquerque</b> – Delete // K233CG-94.5. (EW)
	WCGR	NY	<b>Canandaigua</b> – Format to Rock/OLD (ex-C&W); networks to WW1; slogan & Group to // 101.7 The Wall; delete Group // K 101.7 & K 104.5.
1570	WABL	LA	<b>Amite</b> – Format to Rock/OLD (ex-OLD).

- KAKK MN Walker** – Networks to C/Mn. (JJR)  
**WFLR NY Dundee** – Group // Country 96.9 & 1570; delete Group // Country 96.9 & 101.9.  
**1580 WWTF KY Georgetown** – Adds // W249DJ-97.7. (FCC)  
**1590 WFTH VA Richmond** – Format to VAR (ex-UC:GOS); delete slogan and networks; adds // W276BZ-103.1.  
**1670 KQMS CA Redding** – Format to NWS/TLK (ex-SPT): slogan & Group to // News Talk Superstation; networks to Fox/Ru/P/CM/C2C.

### Additions to Groups

- // Classic Country Radio – Adds W288DJ-105.5.  
 // Radio Amistad – Adds K268CW-101.5.

### New Groups

- // 101.7 The Wall – WLLW-101.7, WCGR-1550, W283BF-104.5  
 // El Patron – KZNB-1490, K289AS-105.7, K273CU-102.5  
 // ESPN Walla Walla – KTEL-1490, K259CR-99.7, K231CT-94.1  
 // I Am Country – WDVH-980, WDVH-FM-101.7, W231DH-94.1  
 // Jack FM – WSSG-1300, W252CL-98.3, W224DD-92.7  
 // KORT-FM-92.7 – KORT-FM-92.7, KORT-1230, K245CH-96.9  
 // Montgomery's Gospel Station – WMGY-800, W243CS-96.5, W257DS-99.3  
 // News Talk Superstation – KQMS-1670, KQMS-FM-99.3, K289BT-105.7  
 // The Heartbeat of the City – WJLD-1400, WIXI-1360, W281AB-104.1, W231DE-94.1  
 // The Talk of the Quad Cities – KQNA-1130, K260BL-99.9, K238CB-95.5  
 // Today's Country – WJMA-103.1, WCVA-1490, W237CA-95.3

### Deleted from a group

- // ESPN Utica-Rome – Deletes W256AJ-99.1 (SF)

### Deleted Group

- // CNY News  
 // ESPN 94.1  
 // Faith Radio (TK)  
 // K 101.7 & K 104.5  
 // SAM FM 105.5

### Group Name Change

- // Country 96.9 and 101.9 becomes Country 96.9 & 1570

Thanks to Shawn Axelrod, Bill Hale, FCC Database (FCC), Terry Krueger (TK), Ernest Wesolowski (ER), John J. Rieger (JJR), Scott Fybush (SF), and Glenn Hauser (GH).

# Musings of the Members

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

## Wayne Heinen – 4131 S Andes Way – Aurora, CO 80013

Hi, all. Finally back at the dials and overnight taping. Did some listening early last season September and October, and then came the hip surgery. I wasn't laid up too long but getting back to the dials was made difficult because the antenna farm didn't work! It took me a while to get at it, mostly because working in extreme heat. Over 40 days of 90+ temperatures. Late August found a few days that I could get at the baluns on the flags and I found opens in two out of the four baluns. The tie-wraps used to anchor the balun enclosures to the uprights suffered UV rot and crumbled allowing the enclosures to bang around on the uprights and the hot melt glue that held the toroid transformers in place gave way. The baluns were wound with very fine, #30 I believe, insulated wire and the wires broke off at the solder joints from the movement. Anyway, was able to start back to the dial and have actually added a few new ones, DX is in Jim's column. Kansas City, while close, just didn't fit in this year's plans. Some house remodeling and ham radio activities mostly just got in the way. Hope all is well with every one and we'll say 73 for now.

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](mailto:patria1818@yahoo.com)

For loggings of U.S. and Canadian stations by DXers in Eastern/Atlantic time zones

All times are Eastern Local Time (ELT)

## REPORTERS

- BC-NH** **Bruce Conti, Nashua** – Excalibur SDR, MWDX-5, variable termination 50 x 60-ft SuperLoop 60° northeast, variable termination 50 x 75-ft SuperLoop 180° south.
- HF-MI** **Harold Frogde, Midland** – Drake R8B + 185' & 60' RW + 125' bow-tie
- KK-VA** **Kraig Krist, Manassas** – Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop
- TLK-FL** **Terry Krueger, Clearwater** – NRD-535, IC-R75, roof dipole, active loop
- MKB-ON** **Mike Brooker, Toronto** – Grundig G5, Grundig YB-400PE, Sony SRF-39FP, C Crane CC Skywave, Panasonic RF-2200 (receiver emeritus)

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

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

## UNID

- 990 unID** -- 8/28 2023 – In multi-station mix (WNRV, WLLI, WEEB, UNID CBS sports talk and SS stations) with male “This is your flagship station for UC sports at sports radio WONO.” **(KK-VA)**
- 1410 unID** -- 8/19 0008 – Jack Benny Show with Jack, Mary, Rochester & Dennis Day sponsored by Jello. Peaking under WING, with ESPN; FF and Latino stations also there. Not CKSL London ON, ex-“Comedy 1410,” which signed off permanently 8/14. Probably KQV. **(HF-MI)**

## LOGGINGS

- 550 WIOZ NC Pinehurst** – 9/5 2300 – Over/under WSVa and *R.Rebelde* Cuba; “It’s 11 o’clock and time for the news on WIOZ AM.” **(BC-NH)**
- WSVA VA Harrisonburg** – 9/5 2159 – Fair, over WGR; promo, “...on News/Talk 550 and 92-1 WSVa.” **(BC-NH)**
- 580 WHP PA Harrisburg** – 8/27 1956 – Under local WTAG; “...on WHP 580 and WHP 580 dot com,” into Blaze network promo. **(BC-NH)**
- 590 WROW NY Albany** – 7/30 2300 – Mixed with WARM sports radio and local WEZE; “Now Richie Norris with Saturday Night at the Oldies,” and jingle, “Magic 590 and 100.5 FM.” **(BC-NH)**
- 630 WMAL DC Washington** – 9/5 2200 – Under WPRO; “WMAL-FM Woodbridge, WMAL Washington, 105.9 FM and AM 630 WMAL, a Cumulus station, where Washington comes to talk.” **(BC-NH)**
- WBMQ GA Savannah** – 8/28 0505 – Apparent day power violator, noted with national ads, back into Red Eye Radio, national and local spots from 0520. **(TLK-FL)**
- WEGL PA Scranton** – 9/3 2000 – Over/under WPRO; Phillies baseball, “WEGL Scranton, WBAX Wilkes Barre, WEGL-FM Forest City, northeast PA’s ESPN Radio...” **(BC-NH)**
- 670 WIEZ PA Lewistown** – 8/27 2000 – Fair; “WIEZ and W225CK Lewistown-Huntingdon-State College.” **(BC-NH)**
- 680 WGES FL St. Petersburg** – 8/28 1216 – First time I’ve heard English on this otherwise “Genesis 680” slogan all Spanish religious. Young black sermonizing in this hour on a Sunday. So, at least one token presumed brokered EE segment here. **(TLK-FL)**
- WINR NY Binghamton** – 8/27 2000 – Under local WRKO Boston; country music, “US 96-9... an iHeart radio station...” **(BC-NH)**
- 710 WAQI FL Miami** – 8/21 1216 – Screeching Spanish woman, “Radio Mambi” slogan, doing well enough to be of equal level with Radio Rebelde’s presumed Ciego de Ávila powerhouse blocker in my noon hour. **(TLK-FL)**
- 730 WSTT GA Thomasville** – 8/21 1228 – Black announcer, into Southern black gospel, local church reference. Clear, fair in my noon hour. **(TLK-FL)**
- WZMF PA Nanticoke** – 8/20 0501 – Under CKAC; “The greatest hits of the ‘60s, ‘70s, and ‘80s, Gem 104 WZMF...” **(BC-NH)**

- 790 **WNIS** VA **Norfolk** – 7/30 0500 – Fair; “Hampton Roads’ news and information station, AM 790 WNIS Norfolk, it’s 5 a.m.” **(BC-NH)**
- 850 **KOA** CO **Denver** – 9/5 0459 – Way under local WEEI Boston; KOA Newsradio ID with mention of Rockies into ABC news. **(BC-NH)**
- WTAR** VA **Norfolk** – 7/31 0000 – Under WEEI Boston; Fox sports, presumed WTAR. **(BC-NH)**
- 860 **WFMO** NC **Fairmont** – 9/4 2000 – Under CJBC; WFMO ID and Black gospel music. **(BC-NH)**
- 870 **WHCU** NY **Ithaca** – 8/12 1930 – In multi-station mix (WWL, WPWT, UNID religious talk, singing, Spanish and R. Reloj) with “Covering the top stores of the day. We are 8-70 AM 95.9 FM news talk WHCU” station promo into Mark Levin show. **(KK-VA)**
- 880 **WRRZ** NC **Clinton** – 9/5 0400 – Under WCBS; canned ID, “WRRZ... North Carolina, Radio Nueva Vida.” At 0500 heard same ID. New log. **(BC-NH)**
- WRFD** OH **Columbus-Worthington** – 8/12 1957 – In multi-station mix (WCBS, UNID religious station and oldies station playing songs from the 1970’s) with male “This is Ohio’s Christian talk station AM 8-80 WRFD” ID. 2029\* ET female with sign-off announcement: “WRFD Columbus Worthington now concludes it’s broadcasting day...” **(KK-VA)**
- 900 **WCPA** PA **Clearfield** – 8/22 1935 – in multi-station mix (WILC, CHML, UNID sports talker) with “Where your favorites play, WCPA” slogan. **(KK-VA)**
- 930 **WBEN** NY **Buffalo** – 8/22 1959 – In multi-station mix (WFMD, WLLL, WDLX, R. Reloj) with “... the WBEN first alert forecast at the top and bottom of every hour. News radio 9-30 WBEN” ID into news. **(KK-VA)**
- WLLL** VA **Lynchburg** – 8/28 0542 – Listener testimonials (“I’ve been listening to WLLL for 20 years”) then male with canned “WLLL, Lynchburg” ID into Urban gospel vocals. Surely another day power violator, as they are 9000/42. **(TLK-FL)**
- 940 **WINE** CT **Brookfield** – 9/4 1900 – Good; “CBS Sports Radio 940 WINE Brookfield-Danbury, a Town Square Media station.” **(BC-NH)**
- WKYK** NC **Burnsville** – 8/22 1857 – In WKGM/WMAC mix with male “AM 9-40 WKYK Burnsville” ID. **(KK-VA)**
- 950 **WBES** WV **Charleston** – 8/28 1959 – In WCTN/R. Reloj mix with “WBES Charleston ‘95 The Sports Fox” slogan. **(KK-VA)**
- 980 **WJYK** VA **Chase City** – 8/28 2100 – In WTEM, oldies and Spanish singing mix with male “This is ‘Joy AM 9-80’ WJYK Chase City Virginia” ToH ID. **(KK-VA)**
- 990 **WLLI** PA **Somerset** – 8/28 1859 – In multi-station mix (WNRV, WEEB, UNID CBS sports talk and SS stations) with male “The Laurel Highlands news, talk, sports network is 14-90 WNTJ Johnstown and 9-90 WLLI Somerset” dual ToH ID into Fox news radio. **(KK-VA)**
- WNRV** VA **Narrows-Pearisburg** – 8/28 1959 – In multi-station mix with male “This is WNRV Narrows Pearisburg Roanoke...” near-ToH ID. **(KK-VA)**
- 1000 **WCCD** OH **Parma** – 9/1 1935 – In multi-station mix (WMVP, WRQR, UNID C&W station) over terrible noise on 1000 kHz (probably IBOC hash) with station promo: “Radio one thousand... radio1000.org Radio 1 thousand ‘The Praizeness station in the nation.’” First time hearing for me. Also, word “Praizeness” is a new one for me too. **(KK-VA)**
- WRQR** TN **Paris** – 9/1 2039 – In multi-station mix, over presumed IBOC hash with male “... 97.5 and AM one thousand WRQR” ID. **(KK-VA)**
- 1070 **WFRF** FL **Tallahassee** – 8/20 0656 – Soft Spanish Christian vocals, accented male in English with non-legal “WFRF 10-70 AM” at 0659 and back to vocals. When did this stop simulcasting English Christian 90.1 FM (and other FM channels), carrying Spanish Christian instead? Radio Fe slogan, as is here: <http://tinyurl.com/jt4tcsz>. **(TLK-FL)**
- 1080 **WFTD** GA **Marietta** – 8/22 2018 – Loud on grayline, some Radio Surco, Radio Cadena Habana and KRLD co-channel. All Vietnamese programming with male and female talk, local spots in Vietnamese and Vietglish. Formerly Spanish “La Ley” slogan, though not sure when the flip happened. Wikipedia entry simply says since 2015. Website: <http://vietsongmedia.com/vi-vn/trang-chu.aspx> **(TLK-FL)**
- 1090 **KAAY** AR **Little Rock** – 9/4 2250 – Mainly on top with 1090KAAY.com website promo, slogans “With the power and the glory, this is 10-90 KAAY,” “This is 10-90 KAAY the most powerful station in...,” “Your 50,000 watt gospel voice of the South, AM 10-90 KAAY” amid series of PSAs; 2305 into EZL religious music.



Bro. Stair came on abruptly in mid-gloom & doom at 0004 after SRN News. Stair was //3215 WWCR. **(HF-MI)**

- 1110 WTOF AL **Bay Minette** – 8/28 0640 – Old-timey gospel vocal, simulcast to equal level WMOB-1360 Mobile. **(TLK-FL)**
- WJML MI **Petosky** – 7/30 0458 – Over/under WBT; local ad string including Mackinaw Island and northern Michigan Cheboygan Country Club spots. **(BC-NH)**
- WTBQ NY **Warwick** – 8/19 0100 – Under WBT; “This is a commercial-free non-stop music hour on WTBQ...” Noted again 8/20 after midnight. **(BC-NH)**
- 1150 WDEL DE **Wilmington** – 9/3 2000 – Good; “Two away and we’ll pause 10 seconds for station identification here on the Philadelphia Phillies radio network,” and ID, “Delaware’s Phillies station, 1150 AM and 101-7 FM WDEL Wilmington-Canton-Dover.” **(BC-NH)**
- 1170 WFPB MA **Orleans** – 8/20 0101 – Under WWVA; “You’re listening to 91.9 FM WUMB Boston...” **(BC-NH)**
- WWLE NY **Cornwall** – 9/3 1859 – Fair; “WWLE Cornwall-Newburgh,” and R&B/soul oldies. **(BC-NH)**
- 1290 WNWW CT **West Hartford** – 9/4 1900 – Poor; “Faith 1290 WNWW West Hartford, connecting faith to life,” and SRN news, ex-WCCC. **(BC-NH)**
- 1330 WHGM MD **Havre de Grace** – 8/27 2000 – Good; “Streaming over the Chesapeake Bay, across Harford and Cecil counties and beyond, and streaming worldwide at Smash Hits dot FM, this is WHGM Havre de Grace,” and Smash Hits jingle. **(BC-NH)**
- 1360 WTOC NJ **Newton** – 8/27 2000 – Under WDRC; ID in Spanish-accented English, “WTOC 1360 AM... Transformación Radio...” **(BC-NH)**
- 1370 WJIP NY **Ellenville** – 9/3 1858 – Over local WFEA; intro to New York Mets baseball coverage with long list of sponsors. “Newsradio 1450 and 1370 WKIP” is the only affiliate on 1370 kHz. **(BC-NH)**
- 1410 WING OH **Dayton** – 8/20 1840 – In and out with “ESPN 14-10” slogan and Cincinnati Reds pre-game show, EBS alerts at 1843 and 1903 for tornado in Miami County. **(HF-MI)**
- KQV PA **Pittsburgh** – 8/20 0013 – Over WING with George Burns and Gracie Allen; 0019 into Richard Diamond detective show, //web stream. **(HF-MI)**
- +++ - 8/30 0608 – Over all comers (the late unlamented CKSL was rarely a factor here) with “KQV news time is 6:08” into local traffic report. **(MKB-ON)**
- CJWI QC **Montreal** – 8/21 0004 – Brief peak over WING with man shouting in FF, // web stream. **(HF-MI)**
- 1450 WPSE PA **Erie** – 8/24 1908 – Over the graveyard jumble with “Your Money Station, 1450 WPSE Erie” slogan into Bloomberg Wall Street report. **(MKB-ON)**
- 1470 WSAN PA **Allentown** – 9/5 0715 – Over usual WNYW-Ithaca // WAEB-790 with Quaker State ad, “Lehigh Valley’s traffic and weather station, news radio 790 WAEB.” **(MKB-ON)**
- 1510 WWSM PA **Annville-Cleona** – 8/26 2000 – Under WMEX; slogan mentioned valley (presumed Lebanon Valley) into ID, “Real Country 1510 WWSM Annville-Cleona.” New log. **(BC-NH)**
- 1540 WECZ PA **Punxsutawney** – 8/27 2000 – Under WDCD; “Information you need, News/Talk 1540 WECZ Punxsutawney.” New log. **(BC-NH)**
- 1550 WIGN TN **Bristol** – 9/3 1959 – Heard through WITK and others; “...you heard about ‘em right here on WIGN 1550 AM in Bristol, Virginia,” and bluegrass music. **(BC-NH)**
- 1580 WJFK MD **Morningside** – 9/3 1900 – Good; “WJFK AM Morningside, WJFK HD2 Manassas, WPGC HD3 Morningside, this is CBS Sports Radio 1580,” into Sports Flash. **(BC-NH)**
- 1600 WAYC PA **Bedford** – 8/27 2000 – Good; easy listening instrumental, “You’re listening to AM 1600 WAYC Bedford,” and Fox news. New log. **(BC-NH)**

## Unreported Domestic Stations

One previously unreported station (since Volume 67) is reported to DDXD this issue, namely WGES-680. So we are down to 438 unreported stations on the list. FYI, there were 1,413 different stations reported to DDXD in Volume 83! The full list was in the last issue (82-19).

# Domestic DX Digest – West

Jim Tedford, 20310 Bothell-Everett Hwy. B4, Bothell WA 98012-8133, [Radio\\_Enthusiast@hotmail.com](mailto:Radio_Enthusiast@hotmail.com)

For loggings of U.S. and Canadian stations by DXers in Central/Mountain/Pacific time zones

All times are Eastern Local Time (ELT)

## REPORTERS

- AG-AZ** **Adam Grose, Tucson, AZ.** Yaesu FT-817, End-fed Vee
- GH-OK** **Glenn Hauser, Enid, OK.** Mostly DX-398 with internal antenna only; NRD-545 with ALA-330S E-W inside or N-S random wire; IC-R75 with E-W longwire; also available, PL-880 with internal or random wire; FRG-7 with NW/SE short wire; Nissan stock car radio when specified. Glenn's complete reports, with extensive commentary, are originally published in DX Listening Digest.  
<http://www.worldofradio.com/dxldmid.html>
- JJR-WI** **John J. Rieger, South Milwaukee, WI.** Icom IC-R75 MFJ-959B tuner, preamp Kiwa loop.
- JW-CO** **John Wilkins, Wheat Ridge, CO.** Drake R-8, 4-foot box loop.
- WH-CO** **Wayne Heinen, Aurora, CO.** Drake R8B, E/W Flag, N/S Flag TG-1 Termination Gizmo and Mini DXP5.

## DX LOGS

- 540 **KYAH UT** **Delta** – 9/4 0758 – Last minute of garden show; LID at 0759:50 “This is Alex Jones. Listen to me every weekday on KYAH 540 AM, Delta’s Truth Radio,” followed by USA Radio news; back to garden show at 0807. Good with XETX nulled. Noted often around this time with good signal, obviously seeing no need to use their 13-watt authorized night power. **(JW-CO)**
- 570 **WNAX SD** **Yankton** – 8/22 0131 – News of South Dakota atop KLIF, unusual; daytime on ND day pattern, groundwave WNAX is always there under KLIF; night goes NNE with minor lobe SW. Rock music on the side probably from KWML-NM, its new ex-sports format. Also in the mix some RRs from Radio Reloj, Cuba. **(GH-OK)**
- 570 **KLIF TX** **Dallas** – 8/25 0729 – Local ads; area news at 0731 with Dave Williams and Amy Chodroff. Fair with KLZ-560 IBOC mostly nulled. **(JW-CO)**
- 600 **KGEZ MT** **Kalispell** – 9/4 0744 – Songs by Glenn Yarborough and Chad & Jeremy; canned ID at 0749: “600 KGEZ, giving you an incredible variety of..??.,” followed by local ads. Fair signal but way under nearby KCOL. **(JW-CO)**
- 630 **WLAP KY** **Lexington** – 9/2 0630 – Poor-steady. WTMJ IBOC off. News-Talk Radio 630 WLAP **(JJR-WI)**
- 640 **KFI CA** **Los Angeles** – 8/28 0741 – Weak signal, fading. **(AG-AZ)**
- 660 **KTNN AZ** **Window Rock** – 8/28 0742 – Strong signal. Music, station. ID. **(AG-AZ)**
- 680 **KKGR MT** **East Helena** – 9/5 0751 – Sam Cooke song; “Helena’s K-G-R” slogan,” local ad, then a Bee Gees song. Fair, mixing with KNBR. Listed as D1 operation. “We don’t need no stinkin’ rules.” **(JW-CO)**
- 710 **WAQI FL** **Miami** – 9/3 0534 – Poor though steady. Female with SS chatter. Assumed. **(JJR-WI)**
- 720 **KSAH TX** **Universal City** – 8/29 0741 – Spanish call-in classifieds, for sale items with an AC 830 phone, i.e. the region around San Antonio, so this is KSAH. But official FCC sunrise in August is not until 0800. **(GH-OK)**
- 730 **KNFL ID** **Boise** – 9/7 0759 – “Advertise on ESPN Boise” promo; 0759:50 LID: “KNFL Boise and KQBL HD2 Emmett, ESPN Boise....” and into *Mike and Mike Show*. Fair at best in QRM. A needed call change here, last heard as KINF. **(JW-CO)**
- 730 **WZGV NC** **Cramerton** – 9/2 0627 – Fair --Glenway?? in Belmont and in Charlotte. Strong! **(JJR-WI)**
- 750 **KAMA TX** **El Paso** – 8/24 0158 – Dominating signal is in Spanish looping E/W, rather than WSB in English. Ads with several 1-800 numbers mentioned, and other clues it’s American, not Mexican, clinched at 0159 by Univisión América in ID whose call letters I can’t copy, but it is surely affiliate KAMA. Then WSB starts to fade up. Both day and night patterns of 10/1 kW U4 KAMA are supposed to go ONLY due west, so must be out of whack again. I had not logged since December, but several times earlier last year **(GH-OK)**
- 770 **KKOB NM** **Albuquerque** – 8/28 0748 – Program about Green Tea Extract and its thermogenic properties. Interesting stuff. **(AG-AZ)** 8/29 2158 – Dominant signal

is talk about football, drops off at 2200 before any ID, or “good night to our listeners to the east,” no doubt KKOB, as 2200 is official FCC sunset in August. KKOB is reliable in switching U2 night/day patterns of balloon-snatching antennas from 50/50 kW North Valley transmitter. **(GH-OK)**

- 790 WNIS VA **Norfolk** – 9/3 0532 – Poor “WNIS and Sinclair...” WBBM IBOC off. **(JJR-WI)**
- 800 WSVS VA **Crewe** – 9/2 0623 – Poor, no CKLW. 4 local ads. All with #434 area code. **(JJR-WI)**
- 820 WBAP TX **Fort Worth** – 8/22 0203 – After network news, WBAP with local news from Dave Alpert, as I’m still on 820 after trying to ID the Mexican. Would that be the DXer and former ABC newsman Dave Alpert, last known to be in Studio City, California? Or another one? **(GH-OK)**
- 840 KMPH CA **Modesto** – 8/23 0800 – Simple “KMPH Modesto” LID by gal, then into religious program with a bunch of Hail Mary’s. Poor copy. **(JW-CO)**
- 880 KHAC MN **Tse Bonito** – 8/26 2325 – (USB plus carrier) Ads for Window Rock, Tse Bonito, football talk in English, i.e. KHAC. Although KRVN-NE can be minimized by nulling, KHAC’s lack of any LSB makes monitoring on USB essential. If one wanted to hear KRVN or anything else on 880, LSB is the way to go, as long as KHAC is obviously running 10 kW ND day power at night instead of 430 watts. Think of how we could double occupancy of the MW band if every station had to be USB or LSB only! Oh, that would also require switchable receivers, not in common usage. **(GH-OK)**
- 920 KARN AK **Little Rock** – 8/19 2143 – Silly baseball game is dominant and from E/W. Unusual since KYFR-IA with a lobe toward us from the NNE, is normally #1 on 920 at night. Plenty of mentions of player names, but takes a while to figure out the teams among several mentioned: San Antonio Missions vs Arkansas Travelers. Therefore it must be KARN, which is 5/5 kW U2, ND daytime but supposed to be a circle tangent to southwest at night, i.e. very little signal this way. 8/26 2323 – Football talk show seems to be called “The Binge,” or is it station slogan? Anyhow, it’s surely KARN again, not on its licensed night pattern, circle tangent to southwest, but putting dominant signal here to the WNW. New NRC AM Log says slogan is “The Sports Animal.” It seems the “HSFB” = high-school football season is underway, predominantly on Friday nights encouraging many stations to violate their night power and/or patterns, to the delight of DX station-counters – but KARN seems to be doing this all the time, suspected on 5 kW ND. It was once a major LR station, KARK, flagship of the Arkansas Radio Network, and progenitor of channel 4 TV. **(GH-OK)**
- 930 WKY OK **Oklahoma City** – 8/21 0800 – ID in Spanish from WKY, as a Cumulus station, pronouncing the call letters in English, and introducing the following “programa pagado,” ‘Sunday Morning Magazine,’ in English, woman interviewing woman about American Cancer Society, some fund-raising event involving dogs, relay-for-life. Also on 640 KWPN Moore, same show running about 10 seconds ahead. I thought this was a “public service” program, not a paid one, as they have lots of different guests from the community, not an infomercial. **(GH-OK)**
- 1010 KBBW TX **Waco** – 8/22 2206 – Area code-less phone 751-9360 by some gospel person loops about NNW/SSE, or best with ESPN from Amarillo WSW nulled, with which it makes a fast SAH. Promo for *Turning Point* on KBBW AM 1010 and #5.7 FM, with two times, one AM, one PM. NRC AM Log 2015 shows the FM is K289BU 105.7, *Life Changing Radio*’. Then talk radio with a lifestyle coach. Believe a new one here, which should not be that rare with 10/2.5 kW U4. But let’s look at the NRC Pattern Book: day has major lobe south, minor lobes north. Night has two tight little lobes to WNW and SSE, which makes the minor day lobe better for us. Official FCC sunset in August was 2115. Apparently BBW here does not mean what we and Google might think it means. **(GH-OK)**
- 1030 KFAY AR **Farmington** – 8/28 2132 – Dominant signal plugs a 9/13 event at the Botanical Garden of the Ozarks, but never says where it is. We’re supposed to know this has to be KDAY. Maybe still on day power? Official FCC sunset in August is 2115. Major lobe both day and night goes southwest, but maybe enough to the west on day pattern. S9+20 before it fades; next PSA from CDC about mosquitoes. **(GH-OK)**
- 1060 KYW PA **Philadelphia** – 9/1 2048-2050 – Fair but above several weaker UNID’s with several PSA’s including one for benefit golf tournament, weather low of 55

degrees, CL's several times, story about how area schools are experiencing an uptick in attendance. This

- 1070 KNX CA **Los Angeles** – 9/1 0557 – Traffic, a Monitoring Center ad, then CBS News. **(AG-AZ)**
- 1110 KVTX TX **Mineral Wells** – 8/21 0807 – Qur'an vs KFAB, SAH of 48/minute [0.8 Hz] and another SAH depending on DX-398 orientation of 216/minute [3.6 Hz] involving a third station (New Mexico?). Qur'an is of course KVTX. **(GH-OK)**
- 1170 KFAQ OK **Tulsa** – 9/2 2302 – KFAQ Tulsa promo for "big changes on Talk Radio 1170, beginning Tuesday at 5 am" so tune in then after Labor Day --- format change from far-right talk? Dream on, but what? Here's the schedule, pre- or post-? <http://www.1170kfaq.com/shows/lineup> KFAQ had just been getting creamed by WWVA on day pattern. **(GH-OK)**
- 1170 WWVA WV **Wheeling** – 9/2 2255 – I find that IBOC-less KFAQ Tulsa unusually has heavy QRM from a gospel station in English, and making SAH of 80/minute = one and one third Hz. On the NRD-545, I'm getting it much better on the N/S wire, i.e. minimizing signal from KFAQ, rather than the E/W ALA-330S. On the DX-398 I try to DF it, and it seems to be only slightly different than KFAQ from the ESE: about ENE/WSW. Program seems to be wrapping up, referring to a "Restoration message" from the "Bible School of Prophecy, Jacksonville," running past top of the hour and of course fading before any ID can get past KFAQ; or is it a sign-off/power-down? Quite a rarity here; in fact I don't think I've ever heard WWVA in OK. 9/4 2147 – Under/mixing with KFAQ Tulsa, at 2158 wrapping program with address P O Box 511, Lynchburg OH 45142. At 2201, definite ID as "News Radio 11-70, WWVA Wheeling." So for the duration, here's a chance for westerners to log WWVA, although it's really from Ohio, not West Virginia. **(GH-OK)**
- 1210 KGYN OK **Guymon** – 8/18 2136 – Loud C&W music at S9+15, so KGYN Guymon has again failed to null toward Philadelphia and us at night. **(GH-OK)**
- 1290 WIRL IL **Peoria** – 8/27 0202 – Immediately upon tune-in, ID as "Oldies 1290 and 102.7, WIRL." 102.7 is really translator W274BM. I was looking for WOMP Bellaire OH, off frequency at 1289.71, as KAZ in IL had reported a few hours earlier, but not traced here. **(GH-OK)**
- 1310 KOKX IA **Keokuk** – 9/3 0614 – Poor, "in KOKX Country..." over UNID oldies station. No WIBA. **(JJR-WI)**
- 1320 KIFM CA **West Sacramento** – 8/30 0824 – Several Sac area ads; back to Mike & Mike at 0828; spotty after 0830; heard one mention of "espn1320.net." Fair peaks, over/under the mix. Needed here for a call change but will probably have to catch them at ToH for that. **(JW-CO)**
- 1330 WVHI IN **Evansville** – 9/7 0100 – Faded up briefly "WVHI Evansville." New one for me. Taped. **(WH-CO)**
- 1330 KPTY IA **Waterloo** – 9/7 0302 – Out of CHR music under KNSS with call sign ID. Needed call change, ex-KWLO. **(WH-CO)**
- 1330 KNSS KS **Wichita** – 9/3 0606 – Poor "George Noory, nightly on KNSS" over REL, other talker. **(JJR-WI)**
- 1330 KGAK NM **Gallup** – 8/28 0830 – Weak signal, fading. Navajo Language. **(AG-AZ)**
- 1350 KCCY CO **Pueblo** – 9/9 0900 – "Fox Sports 1350 KCCY Pueblo." Taped for the call change, ex-KDZA. **(WH-CO)**
- 1350 KRNT IA **Des Moines** – 9/9 0000 – Out of ESPN, local spots, "KRNT Des Moines." Was NOS last time I logged them. **(WH-CO)**
- 1360 WMOB AL **Mobile** – 9/2 0538 – Poor with calls in fade up over other, though not WTAQ. **(JJR-WI)**
- 1360 KHNC CO **Johnstown** – 8/29 2153 – Woman opening *Messianic Perspective* program with Dr. Gary Hedrick; odd time, but maybe it's only a 5-minuter. Program guide of KHNC shows that they do run Messianic stuff, and this one could have been crammed into an end-of-hour break during Alex. 10 kW ND day pattern lasts in August until 2200. **(GH-OK)**
- 1370 WLLM IL **Lincoln** – 9/3 0601 – Poor. Weather, "on the WLUI family of radio stations in central IL..." **(JJR-WI)**
- 1380 WMJR KY **Nicholasville** – 9/3 0553 – Poor with Relevant Radio promo over UNID SS. No usual ESPNers. **(JJR-WI)**
- 1380 KRCM TX **Shenandoah** – 8/30 2042 – "Una señal llena de vida, Vida 13-80" ID at tune-in, then 'Concepto Financiero' -- for Christians, natch. \*Still\* obviously running 22

kW day power and pattern at night, dominating frequency here, with local KCRC 1390 easily minimized by LSB tuning. **(GH-OK)**

- 1400 KTUC AZ **Tucson** – 9/1 0553 – This one is local to me, and is so loud that I have pretty much NO chance of hearing anything else on this frequency. **(AG-AZ)**
- 1430 KLO UT **Ogden** – 0528 – Story about a HUGE alligator (686 lbs.). **(AG-AZ)**
- 1440 WPRS IL **Paris** – 9/2 0700 – Poor. LID for this & 1230 WIBQ. Fox News. WNFL power up followed up. **(JJR-WI)**
- 1460 KBZO TX **Lubbock** – 9/6 0758 – Two PSA's in Spanish, followed by Spanish-only ID (so not LID): "Estas escuchando KBZO ESPN Deportes Catorce Sesenta AM de su radio" and into Spanish ESPN at ToH. On top briefly but soon faded. **(JW-CO)**
- 1480 KQAM KS **Wichita** – 8/21 0837 – KQAM talk has 156/minute [2.6 Hz] SAH from weaker S Asian music, so KBXD Dallas must still be stunting with that. **(GH-OK)**
- 1510 KCKK CO **Littleton** – 9/1 0516 – Good signal. "93.7, The Rock" slogan. **(AG-AZ)**
- 1530 KFBK CA **Sacramento** – 9/1 0505 – Good signal. Stories about veterans' housing, and one about cell phone batteries that may explode! **(AG-AZ)**
- 1530 KXTD OK **Wagoner** – 9/7 0142 – "Que Buena" ID and 918 area code ad, making SAH of 2 Hz against WCKY Brother Stair. DAYTIMER in the middle of the night. **(GH-OK)**
- 1550 KKCL CO **Golden** – 09/03 1100 – Non ID "Hype is for Sports. This is Modern music from then & now and no hype 96.9 & 1550. Welcome to the Cloud." I have yet to hear a call sign for either the AM or translator. **(WH-CO)**
- 1640 WTNI MS **Biloxi** – 8/22 2158 – With local KZLS nulled, I have no problem hearing ESPN promos, and fast SAH from WTNI Biloxi MS with a TOH ID preceded by one for another station. Such reception thru my local reinforces my suspicion that WTNI is running 10 kW day power at night. **(GH-OK)**
- 1660 KBRE CA **Merced** – 9/2 0800 – "Start your day around the radio breakfast table... 5 to 10 in the morning at KBRE Merced and K289CB Los Banos 105.7 The Bear." Call change ex KTIQ. **(WH-CO)**
- 1670 KQMS CA **Redding** – 8/31 2258 – "We've moved KQMS can now be heard on AM 1670 ""News Talk Superstation 99.3." Call change ex-KNRO. **(WH-CO)**
- 1690 KDMT CO **Arvada** – 9/3 2100 – "KDMT Arvada Denver Denver's Money Talk 1690." **(WH-CO)**
- 1700 KVNS TX **Brownsville** – 9/1 1700 – Fair signal, with some interference from an unidentified station. Talking about Mike Tyson not paying for ice cream (????!!). **(AG-AZ)**

#### UNID

- 594 UNID 9/1 1500-1600 – Trying to locate the source of the carrier heard here even in the daytime, I DF around Enid. This indicates it is some distance away, and could also be SSE rather than NNW, with this bi-directional ferrite DFing on the portable DX-398. Will check further from other areas. **(GH-OK)**
- 930 UNID -- 9/5 0755 – A few minutes pre-sunrise here, WKY OKC is in open carrier/dead air, because of holiday? And nulling it, I'm getting something else in Spanish making a SAH of ~6 Hz, give or take. As researched last Nov/Dec, there are only two N/W Mexicans on 930, Saltillo and Fresnillo, and there is only one US SS anywhere in the west, KAPR Douglas AZ (now that KHJ LA has got religion), though we're unsure exactly what format. This one is musical at first, then economic? talk mentioning both pesos and dólares. But at 0800 sharp, before there is any ID, WKY revives with its own music as if it were programmed to do so. KAPR is better positioned to get past WKY, closer to a right angle than the XEs which are also more into sunrise now. **(GH-OK)**
- 1309.70 UNID -- 9/1 2148 – JBA carrier hetting 1310 stations; another possible off-frequency to be pursued. **(GH-OK)**
- 1349.2 UNID -- 8/30 2144 – JBA carrier, hetting 1350 stations; some station off-frequency. **(GH-OK)**
- 1480.82 UNID -- 9/4 2141 – Het against 1480 stations, seems to loop ESE/WNW. Reminds me of the 1499.17 het against 1500 I have been hearing (820-830 Hz away), and would be close to a match for spurs each side out of 1490 rather than somethings off-frequency from 1480 or 1500. However, I'm sure I would have noticed the 1480+ one before when I was getting the 1500- one. But now I am not hearing the 1500- one; until 2156 when I can make it out weaker, and on the same bearing. **(GH-OK)**

- 1499.17 UNID -- 8/30 2139, 8/31 0203, 9/2 2216, 9/4 0159 – JBA carrier, hetting KSTP 1500. This is not the same as the wobbly spurs about 0.5 kHz above and below 1500 which are also occasionally heard. Logged on the NRD-545, but also had a JBA carrier on about 1499.2, via the R75, 8/29 2200. Which North American station is off-frequency? **(GH-OK)**
- 1520 UNID -- 9/1 2142 (UT 9/2 at 0142). KOKC's stupid Savage talk show is getting heavy QRM from honky-tonk piano music, then C&W song. KOKC's biggest rival at night is normally out-of-whack KOLM, Rochester, Minnesota, sports talk, still such per its website. **(GH-OK)** KRHW-MO makes it out here sometimes – DY.
- 1580 UNID -- 8/27 2006 – KOKB must be off. No big signal as there should be this long before sunset, but a mix of weakies, including one with sports talk, but not // KOKP-1020 or KOSB-105.1. Also in the pileup a musical station. **(GH-OK)**
- 1580 UNID -- 9/5 2224 – "Sounds of Silence" atop for a while, best on E-W antenna, but not a DF fix. **(GH-OK)**

Nice turnout for this issue. Thanks to all. See you next time. **(JDT-WA)**

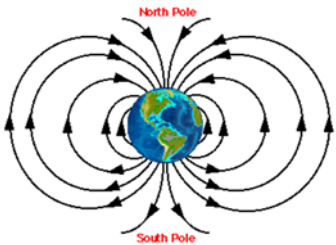
# Confirmed DXer

Phil Bytheway, 9705 Mary NW, Seattle WA 98117-2334, [phil\\_tekno@yahoo.com](mailto: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. Thanks again, John. Next deadline: 11/3/16 6 PM PLT. pb.

- 1060 KXPL TX, El Paso. PPC in 19 days for 2nd f/up. V/s Paola Torres. **(JW-CO)**
- 1130 KSDO CA, San Diego. PPC, 2 stickers in 10 days from Rudy Agus (WB6AE), Chief Engineer. **(JW-CO)**
- 1470 KSMM KS, Liberal. PPC in 8 days for f/up. V/s Michelle D. ??, Business Mgr. **(JW-CO)**
- 1550 KKCL CO, Golden. PPC in 7 days from Chuck Lontine, Owner. **(JW-CO)**

**John Wilkins**, Wheat Ridge CO **(JW-CO)**



## Geomagnetic Indices

Geomagnetic Summary August 2016

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

Date	Flux	A	K	Space Weather	16	87	6	3	no storms
8/ 1	72	3	1	no storms	17	83	9	3	no storms
2	75	16	5	minor, G1	18	82	7	2	no storms
3	75	<b>33</b>	3	minor, G1	19	81	5	1	no storms
4	76	18	2	no storms	20	78	4	1	no storms
5	80	16	4	no storms	21	77	10	3	no storms
6	83	14	3	no storms	22	80	5	1	no storms
7	93	12	3	minor, R1	23	81	18	5	minor, G1
8	96	12	1	no storms	24	78	19	3	minor, G1
9	92	14	3	no storms	25	79	11	3	no storms
10	95	16	3	no storms	26	82	6	2	no storms
11	95	9	3	no storms	27	84	5	0	no storms
12	95	11	1	no storms	28	85	3	0	no storms
13	91	5	1	no storms	29	88	6	3	no storms
14	87	4	1	no storms	30	<b>100</b>	16	4	no storms
15	88	4	1	no storms	8/31	98	8	3	no storms

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

### MEMBERSHIP RENEWALS

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

# International DX Digest

Bruce Conti, 46 Ridgefield Drive, Nashua NH 03062-1174, [contiba@gmail.com](mailto:contiba@gmail.com)

For loggings of outside the U.S. and Canada

All times are Universal Coordinated Time (UTC)

## TRANS-ATLANTIC DX

- 171 **MOROCCO** *R.Medi-Un*, Nador AUG 21 0444-0449 – Woman in Aabic with peppy music. Poor and buried in the noise after 5 minutes, but can tell parallel 9575 which was much better. [Frodge-MI]
- 252 **ALGERIA** *R.Algerienne*, Tipaza AUG 21 0452-0456 – Impassioned commentary by woman in French with occasional brief comment by man in French. Fair for 3 minutes before diving into the noise. [Frodge-MI]
- 675 **LIBYA** *R.Libya*, Benghazi AUG 27 0100 – Fair, solid signal; speaker in Arabic through the hour without a break. Previously reported at 675.49 kHz, now at nominal, measured 674.996 kHz. [Conti-NH]
- 1215 **UNITED KINGDOM** *Absolute Radio* synchros AUG 21 0359 – Poor to fair; rock music, “Where music matters” slogan. [Conti-NH]

## PAN-AMERICAN DX

- 540 **MEXICO** XETX Nuevo Casas Grandes, Chih. SEP 8 0545 – ID for BM Radio, Chihuahua, La Ranchera de Paquimé, and FM I thought as 99.5, but listed as 90.5 MHz. XETX continues to put out much more signal than you would expect from listed 250 watts night. [Hauser-OK]
- 540 **MEXICO** unID AUG 21 1000 – Choral anthem under WFLF. Not the most common 1100 anthem time. Anyone know if XEWA spins the anthem at 1000, or was this someone else? [Krueger-FL]
- 650 **CUBA** *R.Progreso*, Ciego de Avila AUG 20 0900 – Over WSRO; canned ID with theme song, “Radio Progreso, cadena nacional...” parallel 640, 690, and 750 kHz. [Conti-NH]
- 650 **CUBA** *R.Rebelde*, Santiago de Cuba-Santa María AUG 20 0800 – Under WSRO and WSM; news attention signals, parallel 600, 670, and 710 kHz. [Conti-NH]
- 660 **MEXICO** XEEY Aguascalientes, Ags. SEP 8 0542 – ID mentioning 102.9, first noted with KSKY nulled, leaving a slow SAH, but it’s really from the south, 50/10 kW. [Hauser-OK]
- 660 **MEXICO** XECPR *R.Chan Santa Cruz*, Felipe Carillo Puerto, QRoo. AUG 21 1016 – Probably my favorite XE. Nonstop cheesy cocktail jazz and tango instrumentals which turned out to be XECPR doing their apparently normal pre-formal sign-on, always something different musically. Into choral Mexico anthem from 1025, choral Quintana Roo state anthem from 1027, into soft Spanish vocal, then the lengthy female canned sign-on ID with calls, slogan and power, followed by shorter ID string by man, all in Spanish. Then uninterrupted very old Mexican folk and ranchera-type vocals, rising to excellent level until nearly 1100, then fading fast. Choral Mexican anthem at 1100 dominating, but this was merely XEDTL. [Krueger-FL]
- 670 **VENEZUELA** YVLL *R.Rumbos*, Caracas SEP 4 2358 – Presumed, over *R.Rebelde*; man talking through the hour with Caracas mentions. [Conti-NH]
- 680 **MEXICO** XEORO Guasave, Sin. AUG 29 1207 – “Información de Sinaloa,” 6:07 time check, opening newscast, i.e. XEORO, 1000/500 watts per IRCA Mexican Log 2015. [Hauser-OK]
- 700 **MEXICO** XEDKR Guadalajara, Jal. SEP 8 1153 – Radio Red ID, presumed XEDKR which relays 1110 XERED México DF; thought I heard an FM 92.1 mentioned, but not listed as such in Jalisco, and in the DF it’s on 88.1 MHz. 700 listed as 10000/150 watts. [Hauser-OK]
- 720 **MEXICO** XEJCC Cd. Juárez, Chih. AUG 24 1205 – Usual opening routine, i.e. national anthem, followed by Chihuahua state anthem, a 2-minute prayer and ID at 1211, which included a different address, replacing Av. 2329 Vicente Guerrero. The new address, which is actually an old address occupied by them years ago, is Calle Elisa Dosamantes 400, Fracc. Los Colorines, Cd. Juárez. The canned ID still gives 1 kW as power, but the live announcer a few seconds later mentions 10 kW. The signal is always good here and definitely sounds like 10 kW, at least. [Wilkins-CO] SEP 5 1202 – Chihuahua state song, 1204 inspirational recitation about amor and “un nuevo día.” It’s surely XEJCC, listed by IRCA a 25 kW daytimer; WRTH 2016 says only 1 kW. A canned ID appears at 1205, but fading and I can’t copy to confirm what slogan they are currently using; 1206 UTC, 6:06 time check. [Hauser-OK]
- 750 **VENEZUELA** YVKS *RCR* Caracas SEP 3 2359 – Fair; “RCR presenta Radio Universidad... la Universidad Nacional Abierta... a través de la emisora RCR 750 AM.” SEP 5 0000 – Fair; RCR Deportes. [Conti-NH]

- 770 **CUBA** *R.Artemisa*, Artemisa AUG 27 1029 – Female, “Desde la tierra... Radio Artemisa...” into Instituto de Meteorología update on approaching tropical blob. [Krueger-FL]
- 800 **NICARAGUA** *Radio 800*, Managua AUG 27 1044 – Good in passing with rustic folk vocal, male ID at 1047 UTC. [Krueger-FL]
- 810 **CUBA** *R.Progreso*, Guantánamo-Burene SEP 4 0202 – Over/under WGY; canned ID with Star Gazer theme, parallel 640, 690, and 880 kHz. [Conti-NH]
- 810 unID SEP 6 0230 – Corridos (story-telling songs, often about gangsters), lyric mentions Culiacán, 0232 ad for something delicioso, from a mall, phone starts 615 (but not an area code which would be east Tennessee). Dominates, from ENE/WSW, 0238 ID by super-hype voice actor, who makes it incomprehensible. If not KSWV Santa Fe, where it’s well after sunset, allegedly 10 watts, there are two XE possibilities among a bunch of other 810’s further south/east: 1/1 kW XESB Santa Bárbara, Chihuahua; and 5 kW daytimer(?) XERSV Cd. Obregón, Sonora. [Hauser-OK]
- 820 **CUBA** *R.Ciudad de la Habana*, La Habana-Arroyo Arenas SEP 4 0400 – Over *R.Reloj*; signature melody into choral national anthem. [Conti-NH]
- 820 **MEXICO** XEABCA Mexicali, BC SEP 2 1155 – Spanish romantic music pauses for a woman with non-ID, “Canal 820” (“ochocientos veinte” not just ocho-veinte). Good with WBAP nulled making slow SAH of 32/minute = 0.533 Hz; 1159 *segué* instead of any ID or anthem; strong enough to get a good DF on it as slightly CCW of west-east, which fits for Mexicali BCN; and finally at 1202 a more complete non-ID, “Canal 820, ABC Radio,” more songs. Gone by 1220. So it really is XEABCA as suspected, obscuring its grandiose 6-letter legal call. Getting a sunrise skip boost, LSR here being 1204, but still hard to believe it’s only 500 watts night as in IRCA, Cantú and WRTH, or even 3500 watts day from a kilomile away, overcoming 50 kW WBAP lately; seemingly a boost from previous nonentity. [Hauser-OK]
- 870 **MEXICO** XETAR Guachochic, Chih. AUG 22 1203 – Call letter ID and brief talk in Indian language; back to Spanish at 1204 after a “La Voz de la Sierra Tarahumara” slogan; seemed to be a mix of music and chat from that point on. [Wilkins-CO] AUG 23 1203 – Sign-on procedure with slogan, “Cuatro pueblos unidos en una sola voz, La Voz de la Sierra Tarahumara,” and immediately into one of those languages. Slightly after sunrise here now, we’ll be able to hear more and more of it in weeks to come. [Hauser-OK]
- 910 **CUBA** *R.Cadena Agramonte*, Camagüey-Tagarro AUG 28 0900 – Male, “Radio Cadena Agramonte, Camagüey,” right at tune-in, then female talk. [Krueger-FL] SEP 5 0300 -Good, over WLAT *La Mega*; canned ID, “Desde la cuna de el mayor, transmite Radio Cadena Agramonte, Camagüey, Cuba,” parallel 1140 kHz. [Conti-NH]
- 910 **VENEZUELA** YVRQ Caracas SEP 4 0402 – Over *R.Cadena Agramonte* and WRNL; llanera music, doorbells with time check, “...por RQ 910 AM Center.” [Conti-NH]
- 930 **CUBA** *R.Reloj*, Cienfuegos//La Jaiba//Santiago de Cuba SEP 3 1044 – Poor. Three listed: La Jaiba, Matanzas; Santiago de Cuba; and Cienfuegos, all 1 kW. [Krueger-FL]
- 940 **MEXICO** XEQ *Ke Buena*, México, DF SEP 3 0306 – Good signal in Spanish on north/south antenna, promo for Centro Educativo, “el espiritualista major” with call-in number repeated several times, so I can be sure of 70 rather than 60: 55-70-10-07-47, “descubriendo lo paranormal,” and plugging a 9 a.m. sábado event on some Calzada costing 99 pesos. 0309, starts taking call-ins. Has to be XEQ, 50/50 kW. This nonsense is not very good for a station now branding itself a “Ke Buena.” It seems that XEQ and 730 XEX are the only major DF stations with reliable reception up here anymore: certainly not 900 XEW nor 1220 XEB. [Hauser-OK] SEP 4 0500 – Fair; canned “940 AM” by a woman, then choral national anthem and ID with *Ke Buena* jingle. [Conti-NH]
- 940.8 unID SEP 5 0258 – Steady het against 940 WCND *La Explosiva*; measured 940.814 kHz. [Conti-NH]
- 990 **CUBA** *R.Guamá*, Pinar del Río SEP 4 0401 – Fair; choral national anthem, ID followed by chimes into music program, “Radio Guamá presenta...” [Conti-NH]
- 1000 **CUBA** *R.Artemisa*, Artemisa SEP 4 0400 – Loud wobbling noise over WMVP; identified as *R.Artemisa* by Terry Krueger, see 1020 kHz. [Conti-NH]
- 1020 **CUBA** *R.Artemisa*, Artemisa AUG 21 1656 – Spanish ballads and rap, female canned ID 1702. This one doesn’t pick up Noticiero Nacional de Radio 1700-1730. Parallel weaker 1000 kHz, which is still badly wobbling away. SEP 5 1000 – Choral anthem at tune-in, female ID over station theme, then “CMAM” by female into vocals. [Krueger-FL]
- 1040 **CUBA** *R.Mayabeque*, Güines SEP 5 1010 – Traditional Cuban folk vocals, female announcer, parallel much better 1450 kHz. Under my local WHBO partly nulled. [Krueger-FL]
- 1060 **CUBA** *Radio 26*, Jovellanos SEP 4 0259 – Over KYW; signature piano music, “Esta es Radio 26... desde Matanzas, Cuba.” [Conti-NH]





- 1070 **CUBA** *R.Guamá*, Guane SEP 4 0400 – Poor; canned ID by a woman, “Esta es Guamá, la señal sonora de la familia pinareña.” [Conti-NH]
- 1080 **CUBA** *R.Surco*, unknown location AUG 22 2349 – Cuban pop-ish vocals, co-channel *R.Cadena Habana*. Male canned ID 2358, “Radio Surco... desde la... Ciego de Avila...” back to songs with male host, then Mexican ranchera-type music segment, parallel 1140 kHz. Male at 0029, “Desde CMIP (I think), Radio Surco, desde la capital de la... Ciego de Avila...” This was first noted in January, 2013, but went without a trace after. Not appearing in any Cuba docs except my Cubalist archive Excel file housed on FLPRS. [Krueger-FL] AUG 27 0300 – Under WTIC; canned ID, “Transmite CMIP Radio Surco, desde Ciego de Avila, capital de la locución cubana,” parallel 1140 kHz. SEP 4 0301 – Under WTIC; Bob Marley “One Love” parallel 1140 kHz. [Conti-NH]
- 1110 **CUBA** *R.Angulo*, Holguín SEP 2 2359 – Under WBT; doorbell chimes marking the hour. SEP 5 0000 – Under WBT; spacey theme music and doorbell chimes. [Conti-NH]
- 1140 **CUBA** *R.Cadena Agramonte*, Camagüey-Isábel Hortensia SEP 4 0504 – Poor; opening music of hourly canned ID parallel 910 kHz. [Conti-NH]
- 1140 **CUBA** *R.Surco*, Morón AUG 23 0015 – Fair and mixing with *R.Rebelde*, parallel the rediscovered 1080 kHz channel that’s not listed anywhere else. I rarely hear this one here, despite lots of out-of-state logs. Mostly *R.Rebelde* and *R.Musical Nacional* both daytime and night. [Krueger-FL] SEP 3 0900 – Under WRVA; hourly canned ID. [Conti-NH]
- 1540 **BAHAMAS** ZNS1 Nassau SEP 4 0000 – Spurs at 1521 and 1559 kHz with steady het against 1560 WFME New York. [Conti-NH]

#### TRANS-PACIFIC DX

- 774 unID AUG 21 1150 – JBA carrier looping west/southwest, not northwest. I woke up around 1100, finally gave up trying to resleep and checked prime transpacific DX pilot frequency just before 1155 sunrise here. So 3LO Melbourne very likely rather than NHK this time. Quickly stepping 9-kHz downwards, also found JBA carriers: 702 at 1155 from west/southwest, i.e. 2BL Sydney; 657 and 594 at 1156 which could also be Australia or New Zealand but not DF’ed. Too much 1550 splash on 1548 kHz. AUG 22 1156 – JBA carrier again, seems from Australia rather than Japan. No other splits audible at sunrise. AUG 29 1140 – JBA on 774 from northwest, so NHK; very weak on 882; at 1146 west on 702 so Australia or New Zealand, and 666 kHz. But something on 594 seems to peak north/south – that can’t be right. Those were on the DX-398. Then at 1151 I find whether I can hear any of them on the R75 with east/west longwire: yes on 774, 702 kHz. Today’s Enid sunrise: 1201 UTC. SEP 8 1143 – Also 702 kHz in TP carrier search, JBA ones looping west rather than northwest, so likely the Australians, not Japanese. [Hauser-OK]

#### CONTRIBUTORS

Bruce Conti WPC1CAT, Nashua NH; WiNRADiO Excalibur, MWDX-5 phasing unit, 15 x 18 variable termination SuperLoop 60° northeast, 15 x 23-m variable termination SuperLoop 180° south.  
 Harold Frodge, Midland MI; Drake R8B, 185-ft and 60-ft random wires, 125-ft bow-tie.  
 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 FRG-7 with ~100-ft east/west longwire.  
 Terry L. Krueger, Clearwater FL; NRD-535, IC-R75, roof dipole, active loop.  
 John Wilkins, Wheat Ridge CO; Drake R8, 4-foot box loop.

#### INTERNATIONAL NEWS

**PALAU:** This was first brought to my attention in DXLD 16-35. A visit to that Pacific island by Robertas Pogorelis confirmed that the 1584 kHz T8AA *Voice of Palau* closed and has stayed shut. Further investigation points to Typhoon Haiyan as being the culprit. It devastated the island on 03 November 2013. In fact the 60M antenna was flattened. This will add another country to Bruce’s Silent Radio Countries website at [www.bamlog.com/darkcountries.htm](http://www.bamlog.com/darkcountries.htm). [Dan Goldfarb, *mwmasts*] Previously WSZB Koror and WSZC Moen-Truk, both initially on 1500 kHz and then 1575 and 1593 kHz respectively, formerly Caroline Island when part of the U.S. Trust Territory of the Pacific (Micronesia/Northern Mariana Islands), 1584 was the sole Palau MW radio station, moved to 87.9 T8AA-FM *Voice of Palau/Eco-Paradise FM*. [Conti]

**SERBIA:** All MW services in the country are reported to have been shut down for financial reasons [WRTHmonitor, July 18, [www.wrth.com/update\\_national.html](http://www.wrth.com/update_national.html)]. 1269 *R.Televezia Novi Sad* last reported in ARC mv-eko as received July 3 [MVE 57-2]. Closure should have taken place on July 11 [Mauno Ritola, *mwmasts*].

# Pro Sports Networks

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

Here is National Football League (NFL) flagship information Internet searches. Some of the network lists are undated, so I do not know if they are for the current season. And I cannot rely on the copyright date at the bottom of each page, as that is probably added globally for the web site. even if the specific web page being viewed has not changed. And some team sites do not list the announcer team, while others have bios that are a few seasons old, so I do not know if they are current.

Some of the online lists cannot be cut-and-pasted, as they are graphical images. One could create a JPEG image file and then feed it through an OCR scanner, but I find it simpler to hand-compare it to the text file I have saved from last season and create a new text file.

The announcer names are found at this URL:

[http://en.wikipedia.org/wiki/List\\_of\\_current\\_NFL\\_broadcasters](http://en.wikipedia.org/wiki/List_of_current_NFL_broadcasters)

That page seems to have been updated for the 2016 season, but the footnotes on that site all point to web page retrievals in 2012. That URL also has flagship and network size information. The site <http://www.freqseek.com/nfl-radio-networks.aspx> has the NFL networks, but there is no source information there.

And I do not know if the site honors the "Do Not Reproduce" statement at the bottom of some of the network list pages. I cannot include a network in this column if there is a "DNR" warning on the web page.

There is a site <http://nflfootballtv.com/onlineradio.html> that has Internet online radio – streaming audio and video information on each team. I have no idea if that web site is current.

The Westwood One Radio Network (renamed to Dial Global Sports and in 2013 renamed to WestwoodOne Sports) will broadcast NFL games; this URL

<http://www.nfl.com/tvradio/broadcasters/westwoodone>

but the hyperlinks on this page to other pages are all bad. An e-mail comment via the web site elicited a reply with this URL: <http://westwoodonesports.com/football-announcers/>

As always, any of these network lists can change during the season. Please send me any additions and/or corrections. Thanks.

Arizona Cardinals	98.7	KMVP-AZ		Dave Pasch, Ron Wolfey, Paul Calvisi
Atlanta Falcons	92.9	WZGC-GA		Wes Durham, Dave Archer
Baltimore Ravens	1090	WBAL-MD		Gerry Sandusky, Qadry Ismail. Stan White
	97.9	WIYY-MD		
Buffalo Bills	550	WGR-NY	1	John Murphy, Mark Kelso
	1520	WWKB-NY	1	
Carolina Panthers	1110	WBT-NC		Mick Mixon, Eugene Robinson, Jim Szoke,
	99.3	WBT-SC		Eugene Robinson
Chicago Bears	780	WBBM-IL	EE	Jeff Joniak, Tom Thayer, Zach Zaidman
	105.9	WCFS-IL		
	1200	WRTO-IL	SS m	Hector Lozano, Omar Ramos
	93.5	WVIV-IL	SS m	
	103.1	WVIX-IL	SS m	
Cincinnati Bengals	1530	WCKY-OH		Dan Hoard, Dave Lapham
	700	WLW-OH	b	
	102.7	WEBN-OH		
Cleveland Browns	850	WKNR-OH		Jim Donovan, Doug Dieken, Nathan Zegura
	92.3	WKRK-OH		
	98.5	WNCX-OH		
Dallas Cowboys	105.3	KRLD-TX	EE	Brad Sham, Babe Laufenburg, Kristi Scales
	107.5	KMVK-TX	SS	Victor Villalba, Andres Arce, Luiz Perez
Denver Broncos	850	KOA-CO	EE	Dave Logan, Ed McCaffrey
	103.5	KFRZ-CO	EE	
	1090	KMXA-CO	SS j	??
	92.1	KMJN-CO	SS j	
Detroit Lions	760	WJR-MI		Dan Miller, Jim Brandstatter, Tony Ortiz
Green Bay Packers	620	WTMJ-WI		Wayne Larrivee, Larry McCarren
Houston Texans	610	KILT-TX	EE	Marc Vandermeer, Andre Ware, John Harris
	100.3	KILT-TX	EE	
	1180	KGOL-TX	SS	??

Indianapolis Colts	1070	WFNI-IN		*Bob Lamey, Will Wolford, Kevin Lee
	93.5	WFNI-IN		
	97.1	WLHK-IN		
Jacksonville Jaguars	1010	WJXL-FL		*Frank Frangie, Jeff Langeman, Tony Boselli, Brent Martineau
	92.5	WJXL-FL		
	99.9	WGNE-FL	f	
Kansas City Chiefs	101.1	KCFX-MO		Mitch Holthus, Len Dawson, Kendall Gammon, Art Hains
Los Angeles Rams	710	KSPN-CA	EE	JB Long, Maurice Jones Drew, D'Marco Farr
	100.3	KSWD-CA		
	1330	KWKW-CA	SS	Mario Solis, Troy Santiago
Miami Dolphins	560	WQAM-FL	EE	*Jimmy Cefalo, Bob Griese, Joe Rose, Keith Sims, Kim Bokamper
	99.9	WKIS-FL	EE	
	1210	WNMA-FL	SS	*Raul Striker, Jr., Stefano Fusaro
Minnesota Vikings	100.3	KFXN-MN		Paul Allen, Pete Bercich, Greg Coleman
New England Patriots	98.5	WBZ-MA		Bob Socci, Scott Zolak
New Orleans Saints	870	WWL-LA		Jim Henderson, Deuce McAllister, Kristian Garic
	105.3	WWL-LA		
New York Giants	880	WCBS-NY	EE	Paul Dottino, David Diehl, Roman Oben
	92.7	WQBU-NY	SS	Nestor Rosario, Francis Adames
New York Jets	98.7	WEPN-NY	EE	*Bob Wischusen, Marty Lyons, Larry Hardesty
	1050	WEPN-NY	SS	
Oakland Raiders	95.7	KGMZ-CA		Greg Papa, Tom Flores, Lincoln Kennedy
	102.9	KBLX-CA		
	95.5	KUFX-CA		
Philadelphia Eagles	94.1	WIP-PA		Merrill Reese, Mike Quick
Pittsburgh Steelers	970	WBGG-PA		Bill Hillgrove, Tunch Ilkin, Craig Wolfey
	102.5	WDVE-PA		
San Diego Chargers	105.3	KIOZ-CA	EE	Josh Lewin, Nick Hardwick
	1360	KLSD-CA	EE	
	107.3	XHFG-BC	SS	Jorge Villanueva, Tony Alvarez
San Francisco '49ers	680	KNBR-CA	EE	Ted Robinson, Tim Ryan
	810	KGO-CA	EE	
	107.7	KSAN-CA	EE	
	910	KKSF-CA	SS	Jesus Zarate, Luis Landero, Gabriel Sotelo
Seattle Seahawks	710	KIRO-WA		Steve Raible, Warren Moon
	97.3	KIRO-WA		
Tampa Bay Buccaneers	620	WDAE-FL		Gary Deckerhoff, Dave Moore, T. J. Rives
	95.3	W237CW-FL		
	103.5	WFUS-FL		
Tennessee Titans	104.5	WGFX-TN		Mike Keith, Frank Wycheck, Jonathan Hutton, Kevin Dyson, Blaine Bishop, Mark Howard
Washington Redskins	980	WTEM-DC		Brian Mitchell, Sonny Jurgensen, Rick "Doc" Walker, Chris Cooley, Brian Mitchell

### **Arizona Cardinals 2016** Dave Pasch, Ron Wolfey, Paul Calvisi

<http://www.azcardinals.com/news/media-guide.html> (8/25/2016) (page 442)

560	KBLU-AZ	1130	KQNA-AZ	k	92.1	KZUA-AZ	100.1	KGMN-AZ
780	KAZM-AZ	1230	KATO-AZ		94.3	KDDL-AZ	104.7	K284BO-AZ
980	KNTR-AZ	1340	KIKO-AZ		98.7	<u>KMVP-FM-AZ</u>	106.7	KNKI-AZ

### **Atlanta Falcons 2016** Wes Durham, Dave Archer

<http://www.atlantafalcons.com/on-the-air/falcons-radio-network/radio-affiliate-stations.html> (8/16/2016)

550	WDUN-GA	1150	WJEM-GA	v		WMVG-GA	101.9	WJFL-GA
630	WNEG-GA	1240	WGGA-GA		1580	WIOL-GA	102.1	WZAT-GA
720	WVCC-GA	1250	WSRA-GA				102.9	WDUN-FM-GA
790	WSFN-GA	1310	WHEP-AL		92.1	WPEH-FM-GA	103.7	W279BC-GA
800	WJAT-GA	1350	WFNS-GA		92.9	<u>WZGC-GA</u>	103.9	WYAB-MS
850	WPTB-GA		WBML-GA		95.7	WATG-GA	105.5	WIFO-FM-GA v
860	WDMG-GA	1370	WLOP-GA			WIOL-FM-GA		WCCP-FM-SC
940	WMAC-GA		WDEF-TN		96.1	W241BG-GA	107.5	WTIF-FM-GA
960	WRFC-GA	1420	WPEH-GA		99.3	WCON-FM-GA	___	WJBG-GA e
970	WVOP-GA	1450	WKEU-GA		101.1	WTGA-FM-GA		

**Baltimore Ravens 2016** Gerry Sandusky, Qadry Ismail, Stan White<http://www.baltimoreravens.com/gameday/gameday-coverage.html> (8/9/2016)

540	WGOP-MD	1290	WWTX-DE	92.7	WGMD-DE	100.3	WBIG-FM-DC
820	WNTW-VA	1430	WNAV-MD		W224AI-PA	104.1	W281AR-PA
910	WSBA-PA	1450	WTHU-MD	97.9	<u>WIYY-MD</u>	106.3	WCEM-FM-MD
930	WFMD-MD t	1470	WTTR-MD		WBey-FM-MD	107.1	WCBC-FM-WV
1050	WLYC-PA	1490	WARK-MD	98.9	W255CP-MD		
1090	<u>WBAL-MD</u>	1600	WEJS-PA				
1240	WCEM-MD	1650	WHKT-VA				

**Buffalo Bills 2016** John Murphy, Mark Kelso<http://www.buffalobills.com/media-center/radio-network-listing.html> (8/25/2016)

550	<u>WGR-NY</u> 1	1330	WSPQ-NY	1520	<u>WWKB-NY</u> 1	96.3	W242AB-NY
590	CJCL-ON	1370	WWCB-PA			96.5	WCMF-FM-NY
900	CHML-ON	1380	WABH-NY	92.7	WQTK-NY	100.1	WBRR-PA
950	WROC-NY	1400	WDNY-NY	93.3	WWSE-NY	100.9	WKRL-FM-NY
1120	WKAJ-NY	1410	WDOE-NY	94.1	WOTT-NY	101.9	WZKZ-NY
1230	WMML-NY		WELM-NY	94.9	W235BP-NY	106.5	WKRH-NY
1240	WJTN-NY	1420	WACK-NY	95.7	WPIG-NY		

**Carolina Panthers 2016** Mick Mixon, Eugene Robinson, Jim Szoke, Eugene Robinson<http://www.panthers.com/news/radio.html> (8/9/2016)

570	WWNC-NC	1280	WSAT-NC	94.1	W231BC-VA	102.3	WWMY-NC
580	WLVA-VA p	1340	WYNF-GA		W231CE-VA A		WPTM-NC
590	WCAB-NC		WHAP-VA	94.3	WSCC-FM-SC		WMFX-SC
610	WPLY-VA	1390	WOHS-NC	97.3	W247AD-VA	102.7	WPUB-FM-SC
810	WPIN-VA	1400	WSIC-NC	98.5	W253BE-VA	103.3	WKVS-NC
920	WYMB-SC	1410	WTIX-NC	99.3	WZAX-NC	103.7	WTIB-NC
960	WRNS-NC	1430	WKEX-VA		<u>WBT-FM-SC</u>	106.1	WFXH-FM-SC
1010	WSPC-NC	1450	WIZS-NC	99.9	WCMC-FM-NC	106.3	WUDE-NC
1050	WLON-NC		WHKP-NC	100.1	WWFN-FM-SC	107.1	WTKF-NC
1110	<u>WBT-NC</u>	1590	WCSL-NC	100.3	WSEA-SC		WRHM-SC
1200	WXIT-NC			100.7	W264CU-NC	107.3	WVSZ-SC
1230	WNNC-NC	92.3	WKRR-NC	100.9	WIFM-FM-NC	107.7	W299BZ-NC
1240	WJNC-NC	93.7	WNTB-NC	101.1	WROQ-SC		WUKS-NC
1250	WKDX-NC		WOCS-LP-SC				

**Chicago Bears 2016 (EE)** Jeff Joniak, Tom Thayer, Zach Zaidman<http://www.chicagobears.com/multimedia/chicago-bears-network-audio.html> (8/9/2016)

600	WMT-IA	1400	WBAT-IN	93.5	KJOC-IA	101.7	WIVR-IN
780	<u>WBBM-IL</u>	1450	WFMB-IL	93.7	WJBC-FM-IL	101.9	WARU-FM-IN
1050	WDZ-IL	1480	WRSW-IN	95.3	WTRC-FM-MI	103.5	WXLT-IL
1060	WRHL-IL	1600	WARU-IN	95.5	WGLO-IL	105.9	<u>WCFS-FM-IL</u>
1150	KCPS-IA			99.1	WYXY-IL	106.1	KIYX-IA
1230	WJBC-IL	92.7	WLSR-IL	101.3	WVIL-IL C	106.3	WGCY-IL
1280	WBIG-IL		WVLI-IL				

**Chicago Bears 2016 (SS)** Hector Lozano, Omar Ramos<http://chicagoradioandmedia.com/news/7533-univision-wins-chicago-bears-spanish-language-radio-rights> (8/21/2015)

1200	<u>WRTO-IL</u>	93.5	<u>WVIX-IL</u>	103.1	<u>WVIV-FM-IL</u> m		
------	----------------	------	----------------	-------	---------------------	--	--

**Cincinnati Bengals 2016** Dan Hoard, Dave Lapham<http://www.bengals.com/multimedia/on-the-air.html> (8/16/2016)

600	WKYH-KY	1320	WLOH-OH		WMOA-OH	102.7	<u>WEBN-OH</u>
700	<u>WLW-OH</u>				WMRN-OH		
790	WKRD-KY	1340	WCMI-KY	1510	WLGN-OH	103.7	W279CE-OH
930	WRVC-WV		WMON-WV	1530	<u>WCKY-OH</u>	103.9	WRBI-IN
970	WATH-OH	1360	WMOV-WV	95.9	WKID-IN	104.7	WTUE-OH
1010	WIOI-OH	1390	WMPO-OH	96.7	WCSM-FM-OH		
1150	WIMA-OH	1430	WCLT-OH		WBVI-OH	105.7	WXZX-OH
1240	WHIZ-OH	1450	WWXL-KY	98.3	Woke-KY	106.7	W294AF-WV
1270	WQTT-OH	1480	WTLO-KY	100.3	WCLT-FM-OH	107.9	WAMW-FM-IN
1300	WJYP-WV	1490	WBEX-OH	102.3	WCYN-FM-KY		

**Cleveland Browns 2016** Jim Donovan, Doug Dieken, Nathan Zegura

<http://www.clevelandbrowns.com/media-center/broadcasts.html> (8/19/2015)

The web site is still under revision; this list is from a graphical image from "Fan Squad" [fsquad@clevelandbrowns.com](mailto:fsquad@clevelandbrowns.com) 8/22/2016.

850	<u>WKNR-OH</u>	1480	WHBC-OH	94.1	WHBC-FM-OH	98.9	WTOH-OH B
1240	WBBW-OH	1540	WBTC-OH	94.3	WKKI-OH	100.9	WJAW-FM-OH
1260	WRIE-PA	1590	WAKR-OH	95.3	WKTN-OH	101.9	W270CI-OH
1290	WHIO-OH	1600	WKKX-WV	95.7	WHIO-FM-OH	102.9	WYFM-PA
1430	WFOB-OH			97.3	W247BL-OH	104.5	WQKT-OH
1440	WRGM-OH	92.3	<u>WKRK-FM-OH</u>	97.5	WONE-FM-OH	104.7	WKKY-OH
1450	WJER-OH	93.1	WWSR-OH	98.5	<u>WNCX-OH</u>	107.7	WPFX-FM-OH

**Dallas Cowboys 2016 (EE)** Brad Sham, Babe Laufenburg, Kristi Scales

<http://www.dallascowboys.com/multimedia/radio-broadcast-information.html> (8/9/2016)

DO NOT REPRODUCE

**Dallas Cowboys 2016 (SS)** Victor Villalba, Andres Arce, Luiz Perez

<http://www.dallascowboys.com/multimedia/radio-broadcast-information.html> (8/9/2016)

DO NOT REPRODUCE

**Denver Broncos 2016 (EE)** Dave Logan, Ed McCaffrey

<http://www.denverbroncos.com/multimedia/broadcast-partners/radio-affiliates.html> (8/21/2016)

550	KRAI-CO	1300	KBRL-NE	1490	KPKE-CO	101.7	KDJM-KS
600	KCOL-CO	1330	KOVE-WY		KNAM-CO		KDNO-WY
610	KCSR-NE	1340	KVRH-CO		KGOS-WY	102.3	KSPK-FM-CO
730	KNFL-ID		KCQL-NM			102.5	KKCI-KS
850	<u>KOA-CO</u>		KPOK-ND	92.1	KFRZ-WY	103.1	KYDT-WY
910	KBLG-MT		KYCN-WY	92.5	KCRT-FM-CO	103.5	<u>KREF-CO</u>
960	KNEB-NE		KWOR-WY	93.5	KALQ-FM-CO	104.1	KBVC-CO
990	KSVP-NM	1350	KCCY-CO	94.9	KPKY-ID	104.5	KSTY-CO
1010	KSIR-CO	1380	KOTA-SD	96.1	KSTR-FM-CO		KZKY-ID
1030	KTWO-WY	1400	KWUF-CO	96.5	KDZN-MT	105.7	KVAY-CO
1180	KOFI-MT		KBCK-MT	97.9	KTAG-WY		KPMX-CO
1230	KHDN-MT	1410	KOOQ-NE	98.3	K252EW-MT	106.1	KNFO-CO
1240	KFBC-WY		KWYO-WY	98.9	KTYV-CO		KXXL-WY
	KEVA-WY	1450	KBFS-SD	99.1	KMTS-CO	107.9	KDZA-FM-CO
	KASL-WY		KBBS-WY	100.1	KMMR-MT		KAOX-ID
1260	KPOW-WY		KVOW-WY	100.5	KRSJ-CO		KZRS-KS
1290	KOWB-WY	1470	KKTY-WY				

**Detroit Lions 2016** Dan Miller, Jim Brandstatter, Tony Ortiz

<http://www.detroitlions.com/media-center/lions-radio-network.html> (8/21/2016)

DO NOT REPRODUCE

**Green Bay Packers 2016** Wayne Larrivee, Larry McCarren

<http://www.packers.com/media-center/radio-shows/packers-radio-network/station-listing.html> (8/20/2015)

This list is from a graphical image, and is the same as last year. It has 50 stations, while the URL

<http://www.packers.com/media-center/radio-shows/packers-radio-network.html> says that there are 51 stations.

550	WSAU-WI	1400	WBIZ-WI		WCOW-FM-WI		
580	WKTY-WI	1450	KFIZ-WI	97.5	WTAQ-FM-WI	101.5	WJNR-FM-MI
620	<u>WTMJ-WI</u>	1550	WEVR-WI	97.7	WGLR-FM-WI		WIBA-FM-WI
710	WDSM-WI					102.3	WAUH-WI
940	WFAW-WI	92.3	WJMQ-WI	98.3	WRUP-MI		WHTL-FM-WI
1140	KSOO-SD		WRLS-FM-WI		WCQM-WI	102.9	WBDL-WI
1150	WHBY-WI	92.7	WDUX-FM-WI	99.3	WKEB-WI	105.3	WRLO-FM-WI
1220	KLBB-MN	93.3	WBSZ-WI	99.7	WIMI-MI	105.7	WCUP-MI
1230	WFXN-IL	93.7	WCYE-WI	99.9	WJVL-WI		WAPL-WI
	WCLO-WI	94.3	WQPC-WI		WSAU-FM-WI		WXCX-WI
1240	WOMT-WI	95.1	WLST-WI	100.7	WBIZ-FM-WI	106.3	WEVR-FM-WI
1310	WIBA-WI	95.3	WXRO-WI	100.9	WRCO-FM-WI	107.1	WFON-WI
1330	WHBL-WI	96.1	WJMC-FM-WI	101.1	WIXX-WI		
1360	WTAQ-WI	97.1	WGLQ-MI				

**Houston Texans 2016 (EE)** Marc Vandermeer, Andre Ware, John Harris<http://www.houstontexans.com/gameday/broadcasting/broadcast-network.html> (8/16/2016)

DO NOT REPRODUCE

**Indianapolis Colts 2016** \*Bob Lamey, Will Wolford, Kevin Lee<http://www.colts.com/media-center/radio-tv-broadcast/affiliates.html> (8/10/2016)

680	WHBE-KY	1490	WDAN-IL	96.7	WORX-FM-IN	102.9	W275AJ-IN
860	WMRI-IN	1550	WLTI-IN	97.1	<u>WLHK-IN</u>	103.3	WAXL-IN
1070	<u>WFNI-IN</u>			97.7	WSSM-IN	103.9	WIMC-IN
1090	WCRA-IL	92.1	WROI-IN	97.9	WSLM-FM-IN	105.3	WJLT-IN
1190	WOWO-IN		WZDM-IN	98.5	WMYK-IN	105.5	WWVR-IN
1320	WBRT-KY	92.7	WZBD-IN	98.7	WASK-FM-IN	105.7	WCJZ-IN
1340	WBIW-IN	93.5	WMXQ-IN	99.5	W258CQ-IL	105.9	WJOT-FM-IN
	WXFN-IN		<u>W228CX-IN</u>	100.5	W263AQ-IL	106.5	WWBL-IN
1370	WGCL-IN	94.3	WREB-IN	100.9	WZUS-IL	106.7	WYFX-IN
1440	WPGW-IN	94.5	WRZR-IN	102.3	WSMM-IN	107.3	WRZQ-FM-IN
1450	WXVW-IN	95.9	WEFM-IN	102.5	WMDH-FM-IN	107.5	W298BJ-IN
1460	WJCP-IN	96.1	WQLK-IN	102.7	WAOR-IN		

**Jacksonville Jaguars 2016** \*Frank Frangie, Jeff Langeman, Tony Boselli, Brent Martineau<http://www.jaguars.com/media-gallery/media-affiliates/index.html> (8/10/2016)

580	WDBO-FL	92.1	WDDQ-GA	96.3	W242BE-GA	105.5	WIFO-FM-GA v
1010	<u>WJXL-FL</u>	92.5	<u>WJXL-FM-FL</u>	96.5	WDBO-FM-FL	106.3	WKBX-GA
1060	WIXC-FL	94.3	WNFB-FL	99.9	WGNE-FM-FL f	106.5	WZBX-GA
1150	WJEM-GA v	94.5	WCFB-FL	102.1	W271CJ-FL	107.5	WJHC-FL
1230	WAYX-GA	95.7	WHOG-FM-FL	104.1	WGLF-FL	107.7	WHFX-GA
1550	WNZF-FL						

**Kansas City Chiefs 2016** Mitch Holthus, Len Dawson, Kendall Gammon, Art Hains<http://www.kcchiefsradio.com/affiliate-team/> (8/10/2016)

680	KFEQ-MO	1350	KMAN-KS	92.1	KKOZ-FM-MO	98.5	K253BP-KS
690	KGGF-KS		KRAP-MO		KMOE-MO	99.9	KSKG-KS
790	KXXX-KS	1360	KSCJ-IA	92.3	KSDL-MO		KIRK-MO
860	KKOW-KS	1370	KIOL-KS	92.7	KSJQ-MO	100.1	KKWK-MO
870	KAAN-MO	1380	KUVR-NE	93.5	KLKC-FM-KS		KBBM-MO
910	KINA-KS	1400	KSIM-MO	93.9	KOTE-KS	100.3	KRDQ-KS
960	KZIM-MO	1420	KJCK-KS	94.3	KAMO-FM-AR		KDVV-KS
990	KRMO-MO		KBTN-MO	94.5	K233CF-KS	100.9	KCLY-KS
1070	KHMO-MO	1430	KKOZ-MO		KRXL-MO	101.1	K266AN-IA
1130	KLEY-KS		KRGI-NE		K233AU-OK		<u>KCFX-MO</u>
1150	KRMS-MO	1450	KWBW-KS	94.9	KGGO-IA	101.7	KVOE-FM-KS
1220	KJAN-IA		KYNT-SD		K235CA-IA	102.9	KMMO-FM-MO
1230	KTNC-NE	1530	KMAM-MO	95.1	KAMS-AR	103.9	KPGG-AR
1240	KFOR-NE	1540	KLKC-KS		KTKS-MO		KOMB-KS
1250	KBTC-MO	1550	KKLE-KS	95.5	KAAN-FM-MO	104.3	KVGB-FM-KS
1290	KMMM-KS		KYAL-OK	96.3	KZDY-KS	104.5	KUMR-MO
	KOIL-NE	1600	KMDO-KS	96.9	KFIX-KS	104.7	KKLH-MO
1300	KMMO-MO	1650	KFSW-AR	97.3	KKJQ-KS	104.9	KXEA-MO
				97.9	KICK-FM-MO	107.3	KTHR-KS

**Los Angeles Rams 2016 (EE)** JB Long, Maurice Jones Drew, D'Marco Farr<http://www.turfshowtimes.com/2016/8/5/12388994/2016-los-angeles-rams-radio-broadcast-lineup-announced> (8/11/2016)

590	KTIE-CA	920	KBAD-NV	1360	KWDJ-CA	100.3	<u>KSWD-CA</u>
630	KPLY-NV q	970	KHTY-CA	1490	KMET-CA	103.9	K280CV-CA
710	<u>KSPN-CA</u>	1240	KSMA-CA			105.1	KKBZ-CA

**Los Angeles Rams 2016 (SS)** Mario Solis, Troy Santiago<http://www.turfshowtimes.com/2016/8/5/12388994/2016-los-angeles-rams-radio-broadcast-lineup-announced> (8/11/2016)

890	KMJE-CA	1410	KCAL-CA	1490	KWAC-CA	102.9	KXLM-CA
1220	KTMZ-CA	1450	KENO-NV	1600	KGST-CA		
1330	<u>KWKW-CA</u>						

**Miami Dolphins 2016 (EE)** \*Jimmy Cefalo, Bob Griese, Joe Rose, Keith Sims, Kim Bokamper<http://prod.www.dolphins.clubs.nfl.com/finatics/radio-network.html> (9/5/2016)

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

**Miami Dolphins 2016 (SS)** \*Raul Striker, Jr., Stefano Fusaro<http://prod.www.dolphins.clubs.nfl.com/finatics/radio-network.html> (9/5/2016)

760	WEFL-FL	1210	<u>WNMA-FL</u>
-----	---------	------	----------------

**Minnesota Vikings 2016** Paul Allen, Pete Bercich, Greg Coleman<http://www.vikings.com/media-vault/radio.html> (8/11/2016)

From a graphical image; same as last year (with a typo corrected)

550	KFYR-ND	1270	KFAN-MN	92.5	KKWQ-MN	100.9	WCMP-FM-MN
570	WNAX-SD	1310	KGLB-MN	93.1	K226CA-MN	101.1	KBHP-MN
620	KMNS-IA	1340	KDLM-MN	93.3	KBLB-MN		WHSM-FM-WI
650	WNMT-MN		KRBT-MN	94.1	KXLP-MN	101.7	KRCH-MN
660	KEYZ-ND		KWLM-MN	94.3	KKIN-FM-MN	101.9	KRWK-ND
730	KWOA-MN	1380	KLIZ-MN	94.5	KPLO-FM-SD	102.9	KBWS-FM-SD
740	KVOX-ND		KAGE-MN	94.9	KQDS-FM-MN	103.3	KZCR-MN
880	WMEQ-WI	1390	KXSS-MN	95.3	WXXZ-MN	104.1	KSDM-MN
930	KSDN-SD		KRRZ-ND	95.7	KKOK-FM-MN	105.1	KARL-MN
1130	<u>KTLK-MN</u>	1440	KKXL-ND	96.1	KQPR-MN	105.7	KUXX-MN
1230	KFSP-MN	1450	KBUN-MN	96.7	KKCQ-FM-MN		K289CE-ND
	KTRF-MN		WELY-MN	96.9	KMFY-MN	105.9	KKWS-MN
	KWSN-SD	1460	KXNO-IA	98.1	KBEW-FM-MN		KHRS-MN
1240	KICD-IA		KLTC-ND	98.3	KQYB-MN	106.3	KPHR-MN
	WJON-MN	1490	KQDS-MN	99.1	WKFX-WI	106.5	KRJB-MN
	KDLR-ND		KOVC-ND	100.3	<u>KFXN-FM-MN</u>	106.9	KARP-FM-MN
1260	KROX-MN	1600	KDAK-ND	100.7	KIKV-FM-MN	107.3	KNUJ-FM-MN
					KMLO-SD		

**New England Patriots 2016** Bob Socci, Scott Zolak<http://www.patriots.com/media-center/radio-stations> (8/11/2016)

DO NOT REPRODUCE

**New Orleans Saints 2016** Jim Henderson, Deuce McAllister , Kristian Garic<http://www.neworleanssaints.com/news-and-events/saints-radio.html> (8/17/2016)

540	KMLB-LA	1440	WVGG-MS	95.3	KQKI-FM-LA	101.1	W266AL-FL
620	WJDX-MS	1450	WBSR-FL	96.9	KZMZ-LA	102.1	WALT-FM-MS
640	KTIB-LA			97.3	KMDL-LA	105.1	WJDX-FM-MS
870	<u>WWL-LA</u>	92.1	KLIL-LA	98.1	WDGL-LA	105.3	<u>WWL-FM-LA</u>
910	WALT-MS	92.5	KVPI-FM-LA		WMXI-MS	105.5	WNSP-AL
920	WBOX-LA	92.9	WBOX-FM-LA		KTAL-FM-TX	106.9	WRBE-FM-MS
1010	WMOX-MS	94.1	KRLQ-LA	98.3	WJDR-MS	107.7	WAZA-MS
1400	WFDN-FL	95.1	WQNZ-MS	99.5	KNGT-LA		

**New York Giants 2016 (EE)** Paul Dottino, David Diehl, Roman Oben**New York Giants 2016 (SS)** Nestor Rosario, Fancis Adames<http://www.giants.com/broadcast-info.html> (8/11/2016)

DO NOT REPRODUCE

**New York Jets 2016 (EE)** \*Bob Wischusen, Marty Lyons, Larry Hardest**New York Jets 2016 (SS)**<http://www.newyorkjets.com/news/radio-info.html> (8/11/2016)

1050	<u>WEPN-NY</u> S	104.5	WTMM-FM-NY
98.7	<u>WEPN-FM-NY</u>	105.7	WCHR-FM-NJ

**Oakland Raiders 2016** Greg Papa, Tom Flores, Lincoln Kennedy<http://www.raiders.com/media-vault/radio-network.html> (8/11/2016)

DO NOT REPRODUCE



**Philadelphia Eagles 2016** Merrill Reese, Mike Quick

<http://www.philadelphiaeagles.com/videos/94wip-info.html> (8/11/2016)

830	WEEU-PA	1490	WBCB-PA	96.1	WCTO-PA	106.9	WEZX-PA
1150	WDEL-DE				WSOX-PA	107.3	WEGH-PA
1360	WPPA-PA	93.3	WBZD-FM-PA	97.3	WENJ-NJ		W297AF-PA
1450	WPGG-NJ	94.1	<u>WIP-FM-PA</u>	97.7	WAFL-DE		

**Pittsburgh Steelers 2016** Bill Hillgrove, Tunch Ilkin, Craig Wolfey

<http://www.steelers.com/news/radio-info.html> (8/11/2016)

Fans in Mexico can also listen to Steelers broadcasts on Grupo Imagen and games are heard on [www.steelers.com/espanol](http://www.steelers.com/espanol).

560	WFRB-MD	1320	WGET-PA	1490	WESB-PA	99.3	WZXR-PA
580	WCHS-WV	1390	WNIO-OH		WNTJ-PA	102.1	WOWQ-PA
590	WMBS-PA	1400	WJET-PA		WSWW-WV	102.5	<u>WDVE-PA</u>
630	WJAW-WV		WBBD-WV			103.7	WCXR-PA
680	WISR-PA	1410	WHAG-MD	92.1	WOHF-OH	104.1	WPXZ-FM-PA
800	WCHA-PA	1430	WVAM-PA	92.3	WXCR-WV	104.3	WKNB-PA
920	WMMN-WV	1450	WTBO-MD	92.7	WCCR-FM-PA	104.9	WRKY-FM-PA
930	WFMD-MD t		WQWK-PA		WONN-FM-PA	105.7	W289BR-MD
970	<u>WBGG-PA</u>		WJPA-PA	94.3	WUZZ-PA	106.1	WRQE-MD
990	WLLI-PA	1460	WMBA-PA		WRLF-WV	107.1	WRXZ-SC
1160	WCCS-PA	1470	WSAN-PA	95.1	WWGY-PA	107.5	WBVE-PA
1200	WTLA-NY x	1480	WCNS-PA	98.9	WTOH-OH B	107.7	WUUZ-PA
1230	WBVP-PA			99.1	WRKW-PA		

**San Diego Chargers 2016 (EE)** Josh Lewin, Nick Hardwick**San Diego Chargers 2016 (SS)** Jorge Villanueva, Tony Alvarez

<http://www.chargers.com/team/media-guide> (8/23/2016) pages 311-312

The URL <http://www.chargers.com/schedule/radio-network> has last year's list.

570	KLAC-CA o	1250	KNWH-CA	94.3	K232CX-CA	105.3	<u>KIOZ-CA</u>
610	KAVL-CA	1340	KRLV-NV	101.3	KATY-FM-CA	107.5	KXO-FM-CA
910	KRAK-CA	1360	<u>KLSD-CA</u>				

**San Francisco 49ers 2016 (EE)** Ted Robinson, Tim Ryan**San Francisco 49ers 2016 (SS)** Jesus Zarate, Luis Landero, Gabriel Sotelo

<http://www.49ers.com/media-gallery/radio-network.html> (8/16/2016)

DO NOT REPRODUCE

**Seattle Seahawks 2016** Steve Raible, Warren Moon

<http://www.seahawks.com/gameday/broadcasting/radio> (8/11/2016)

560	KVOK-AK	1080	KFXX-OR	1450	KLAM-AK	96.9	K245BC-OR
	KPQ-WA	1150	CKFR-BC		KGRZ-MT		KYYO-WA
580	KTMT-OR	1170	KPUG-WA		KONP-WA	97.3	<u>KIRO-FM-WA</u>
610	KONA-WA	1230	KIFW-AK	1470	KBSN-WA	98.5	KEYG-FM-WA
	CHNL-BC		KCUP-OR	1490	KFKB-WA	98.7	K245BA-AK
660	KAPS-WA	1240	KOFE-ID	1580	KGAL-OR	99.3	KMGW-WA
670	KBOI-ID		KTIX-OR			102.1	KTMB-AK
690	KRCO-OR		KXLE-WA	92.1	KCRK-FM-WA		K271AH-WA
700	KBYR-AK	1280	KIT-WA	92.3	KGON-OR	102.3	KCRX-FM-OR
710	<u>KIRO-WA</u>	1340	KYLT-MT	92.7	K224AA-MT	103.3	K277CZ-WA
800	KINY-AK	1400	KEDO-WA		KNCW-WA	104.3	KMNT-WA
840	KMAX-WA	1410	CFUN-BC	93.5	KOZI-FM-WA	104.7	KDUX-FM-WA
950	KCAP-MT	1420	KUJ-WA	94.5	KHTQ-ID	105.9	KRJT-OR
1030	KMAS-WA	1430	KCLK-ID	95.3	KKBC-FM-OR	107.3	KOOS-OR
1070	CFAX-BC	1440	KODL-OR		KUJZ-OR	107.7	K299AA-OR
				95.9	KHMK-MT		

**Tampa Bay Buccaneers 2016** Gary Deckerhoff, Dave Moore, T. J. Rives

<http://www.buccaneers.com/team-and-stats/media-guide/media-guide-2016.html> (page 487) (8/11/2016)

620	<u>WDAE-FL</u>	900	WMOP-FL	1480	WFLN-FL		<u>W237CW-FL</u>
740	WYGM-FL	1230	WGGG-FL	1590	WPSL-FL	99.3	WWCN-FL
770	WJBX-FL	1430	WLKF-FL			103.5	<u>WFUS-FL</u>
790	WPNN-FL	1450	WWJB-FL	95.3	WXCW-FL	103.7	W279CY-FL



**Tennessee Titans 2016** Mike Keith, Frank Wycheck, Jonathan Hutton, Kevin Dyson, Blaine Bishop, Mark Howard

<http://www.titansradio.com/stations-in-tennessee> (8/11/2016)

<http://www.titansradio.com/stations-in-alabama> (8/11/2016)

<http://www.titansradio.com/stations-in-kentucky> (8/11/2016)

<http://www.titansradio.com/stations-outside-the-mid-south/> (8/11/2016)

680	WMFS-TN	1320	WNGO-KY	95.9	WRJB-TN	101.5	WVKB-KY
730	WUMP-AL		WMSR-TN	96.5	W243CU-KY	102.3	WZDQ-TN
770	WVNN-AL	1340	WCDT-TN	96.7	WNKX-FM-TN		WGOW-FM-TN
790	WMC-TN	1370	WDXE-TN	97.1	WXCM-KY	103.9	W280BA-AL
860	WSON-KY	1420	WVJS-KY	97.7	WWKY-KY	104.5	<u>WGFX-TN</u>
950	WAKM-TN	1560	WPAD-KY	98.3	WLXA-TN	105.3	KWAK-FM-AR
1060	WQMV-TN			98.7	WOKI-TN		WPTQ-KY
1150	WGOW-TN	92.5	WVNN-FM-AL	98.9	WANT-TN	105.5	WYTM-FM-TN
	WCRK-TN	92.9	WMFS-FM-TN	99.5	W258AN-KY	105.7	WQAK-TN
1220	WFWL-TN	93.7	WBXE-TN	100.1	WASL-TN	106.5	WKDZ-FM-KY
1240	WPBQ-MS	94.3	WJMM-FM-TN	100.7	W264CK-TN	107.3	WQLT-FM-AL
1280	WMCP-TN	94.5	WJOX-FM-AL	101.3	WCMT-FM-TN	107.9	W300BL-TN
		95.7	WCKK-KY				

**Washington Redskins 2016** Brian Mitchell, Sonny Jurgensen, Rick "Doc" Walker, Chris Cooley, Brian Mitchell <http://www.redskins.com/media-gallery/radio-network.html> (8/11/2016)

550	WSVA-VA	1050	WBRG-VA i	92.1	W221CF-VA	101.1	WSUX-FM-MD
580	WLVA-VA ip	1270	WCBC-MD	92.7	WWXT-MD	102.1	WXTG-FM-VA
690	WELD-WV	1280	WSUX-DE	94.1	W231CE-VA iA	103.9	W280ED-NC
740	WRNR-WV	1400	WSMY-NC	94.3	WWXX-VA	105.1	W286CX-VA i
750	WAUG-NC		WKAV-VA	95.9	WGRQ-VA	105.5	WRAR-FM-VA
900	WKDW-VA	1450	WGNC-NC	98.1	WOBX-FM-NC	106.5	W293AM-WV
950	WXGI-VA		WMVA-VA	99.1	WXGM-FM-VA	106.9	WWEG-MD
960	WFIR-VA	1490	WWNB-NC	99.3	WFQX-VA	107.3	W297BC-VA
970	WKCI-VA	1550	WMRE-WV	100.5	WZEZ-VA	107.5	WCHV-FM-VA
980	<u>WTEM-DC</u>	1570	WECU-NC	100.7	W264CZ-NC	107.7	WWDW-VA

a The Tampa Buccaneers' list has TBA for Ft. Lauderdale, Melbourne, Miami, and West Palm Beach.

b 700 WLW-OH will be a Cincinnati Bengals' flagship station after the Major League Baseball season has ended.

c conflict station

d RESERVED [currently not used]

e The Falcons' list has "WJBG Dubin, GA" without a frequency; there is no such AM or FM station.

f The Jaguars' list has 99.9 WGNE-F as "simulcast partner."

g The Titans' list has the station city and call, followed by a line with the station slogan. The Kentucky list has "Paducah: 1560 WPAD-AM" and "99.5 The Fan". I do not know if both AM and FM will carry the Titans' games.

h RESERVED [currently not used]

i 580 and 94.1 WLVA-VA will carry the Redskins' games in Lynchburg when there is a conflict on 1050 and 105.1 WBRG-VA.

j The Broncos' web site has "KMXA-AM (1090) and/or KJMN-FM (92.1)" for Spanish language broadcasts.

k The Cardinals' list has "KDDL/KQNA 94.3 Precott Valley". KQNA is on 1130.

l Buffalo Bills – Beginning with the season opener, WGR will simulcast its broadcast live without delay on WWKB 1520 AM for fans in the stadium. WWKB will switch over to game coverage 15 minutes prior to kickoff.

m The Bears' web site lists a press release from 2015 that mentions a multi-year contract with these three stations for Spanish language broadcasts. The site does not list them in the 2016 season list, nor does any of the station web sites mention Bears' broadcasts. I finally got to listen during a pre-season game. 1200 WRTO-IL and 93.5 WVIX-IL had Bears' coverage, but did not sound like a real play-by-play. 103.1 WVIV-FM-IL had other Spanish programming.

n RESERVED [currently not used]

o Dallas Cowboys Compass and Oakland Raiders and San Diego Chargers

p Carolina Panthers and Dallas Cowboys Compass and Washington Redskins

q Los Angeles Rams and Oakland Raiders

r Dallas Cowboys Compass and Oakland Raiders  
 s RESERVED [currently not used]  
 t Baltimore Ravens and Pittsburgh Steelers  
 u New York Giants and New England Patriots  
 v Atlanta Falcons and Jacksonville Jaguars  
 w RESERVED [currently not used]  
 x New York Giants and Pittsburgh Steelers  
 y Oakland Raiders and San Francisco 49ers  
 z Dallas Cowboys and Houston Texans  
 A Carolina Panthers and Washington Redskins  
 B Cleveland Browns and Pittsburgh Steelers  
 C Chicago Bears and Dallas Cowboys Compass  
 D Carolina Panthers and Houston Texans



# DX Toolbox

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

Greetings once again from the Heart of the Continent and welcome to the DX Tool Box Column number 85.

## **The Way Back Machine:**

More YouTube videos from radio swap meets. Real people and real radios:  
 Old Radio Swap – Kutztown PA Antique Radio 2014 Spring Meet

<https://www.youtube.com/watch?v=VV9-c3t9Mqs>

2015 MARC Antique Radio Extravaganza Swap meet event Kalamazoo MI

<https://www.youtube.com/watch?v=NoTyxMOEVjY>

Michigan Antique Radio Club Extravaganza 2014 Show swap meet Vintage

<https://www.youtube.com/watch?v=TUKHLEI5uvw>

## **Bits and Bites from the NRC listserv:**

From: Rick Dau, South Omaha NE

Re: High School Football on the Radio

A sure sign that the MW season will soon be upon us: lotsa high school football coverage, which will be making its season debut on stations across the USA this evening. (August 26, 2016)

From: Marc DeLorenzo, South Dennis (Cape Cod), MA

Re: AM Log received

The new AM Log looks great! It includes a new "By State" section in the back that will be very helpful. I have already informed Wayne Heinen of the "36th Edition" typo on the cover page so please don't bombard him with emails or messages on that. Obviously, it is the 37th Edition.

Unsolicited endorsement: The NRC AM Log continues to be the most accurate source of AM Radio stations in the U.S. and Canada. It has been since John Callarman hand-typed the First Edition on mimeograph stencils in 1968 in Greater Boston.

<http://forums.wtfd.org/showthread.php?228-DeLorenzo-s-Classic-DX>

From: Bob Galerstein, WB2VGD, Monroe, NY

Re: AM Log received

BIG thank you to Wayne and crew for another job well done, and all the time spent with it. Much appreciated!

From: Patrick Martin

Re: AM Log received

Sounds great! The NRC log has always been tops. I have ordered mine, and I am looking forward to seeing the 37th!

From: Wayne Heinen, Editor, *AM Radio Log*

Re: AM Log received

Thanks for the kind words Bob!

73 for this time Shawn

**Remember On A Clear Day You Can Hear Forever**

# August 2016 Rockwork 4 DXpedition

Gary DeBock

From August 5-8 a solo DXpedition was conducted from the Rockwork 4 ocean cliff near Manzanita, Oregon. Since this was supposedly a “family vacation” the hours of DXing were limited, and only a couple of large FSL antennas (17” and 15”) could be fit inside our crammed Toyota Corolla. Despite this the DU-DXing propagation was very favorable to both New Zealand and other areas, providing results superior in certain aspects to those observed during the 7-day July DXpedition conducted with Tom, Nick and the Japanese visitors.

High points were a breakout session from the rare low-band Kiwi 531-More FM, which had the usual regular 531-PI on the run for 90 minutes on August 5th. 558-Fiji made a surprise appearance at a good level on August 8th, while a 558 DU English station was received during long-range Australian conditions on August 6th (after 558-6WA was received by Chuck, Tom and I last year, at this site). The 2 kW Kiwi station 1026-Newstalk ZB was received for the first time on FSL antennas at this cliff, while the big gun Kiwis on 657, 702 and 1035 pounded in at legendary levels when NZ propagation was enhanced. Not everything was perfect, however – although the low-powered Kiwi stations on 531, 936 and 1026 were logged the ones on 576, 585 and 828 ended up MIA – most likely because of the lack of time to track them down on a single FSL during exceptional Kiwi propagation. The absence of the Perseus-SDR DXers was also keenly felt as mysteries like the 558 station were tough to solve without multiple parallel network recordings. Overall the trip was highly enjoyable, though, and the early August propagation was every bit as thrilling as what we enjoyed together a year ago at this plunging cliff site.

The following stations were all received on a 7.5” loopstick CCrane Skywave Ultralight portable inductively coupled to a tuned 17” FSL antenna, with the exception of the 531 kHz stations and 558-Fiji (which were received on a 15” FSL antenna). Stations which reached an S9 level during the MP3 recording are identified with a double asterisk (\*\*).

- 531 **AUSTRALIA**, 4KZ, Innisfail, 5 kW. Presumed the one with classic pop format at 1220 and mention of Australia during Rio Olympic report at 1241 on 8/8. Only dominant on this one day. <https://app.box.com/s/jxtn7jbremeaounjywy6m8tmqdpxml08>  
<https://app.box.com/s/76gqgtlmruka5izerwaxi0860evt9ceu>  
**NEW ZEALAND**, 531 PI, Auckland, 5 kW. Samoan language broadcaster struggled against Kiwi co-channel More FM for most of the trip, but was fairly healthy with female Samoan speech at 1212 on 8/6 <https://app.box.com/s/vzst8cfxel3v7jiieun93qc7ipmbylsi>  
**NEW ZEALAND**, More FM, Alexandra, 2 kW. Rare Kiwi urban rock broadcaster with typically short male-voiced ID at 1248 (first MP3), then very short female voiced ID at 7 seconds into the second MP3 at 1259 on 8/5 – followed by the station’s typical hip-hop rock which builds up to a pretty strong level. Dominant over Kiwi co-channel PI for most of the DXpedition <https://app.box.com/s/mhcl5y83cchzd5ko8nd4azzhrpfbg92>  
<https://app.box.com/s/au14qacc2juzybnlokcecywmgwnwpp9i>
- 558 **FIJI**, Radio Fiji One, Naulu, 10 kW. Faded in to a pretty good level at the end of the last (rain-soaked) session at 1312 on 8/8. Stuck around for about 10 minutes on the backup 15” FSL <https://app.box.com/s/gc97814rh1pcgl085imqqa95omeh71ot>  
<https://app.box.com/s/srj6r0hh0m2hp9kt72b9l691svvywryv>  
**UnID-DU**. ABC-sounding DU English station received during exceptional Australian conditions at 1251 on 8/7. As the sole ABC station 6WA in Western Australia is a strong possibility (received here last year at this site, with the same equipment). <https://app.box.com/s/jt652eltg5564enerq1rsxsgtj2k084u>  
 Although not a concurrent parallel recording, this MP3 of 594-3WV (another ABC LR network station) recorded eight minutes earlier apparently features the same male announcer with the same speaking style. <https://app.box.com/s/gwotnojgnxay901sd78yi3zxunvgqv1p>
- 567 **NEW ZEALAND**, Wellington, Radio NZ National, 50 kW. Usually audible at an anemic level on most mornings, it rarely matched the signal level of either the 675 or 756 RNZ parallel stations. The new antenna seems to be somewhat of a transoceanic dud. <https://app.box.com/s/tt8ck75x5zg3f4h6drnfav4olx31as4d>
- 576 **AUSTRALIA**, 2RN, Sydney, 50 kW. Heard on all four days (even during exceptional Kiwi conditions), although usually at modest strength with its varied music programs. <https://app.box.com/s/wyn99vt0jtu1c2xer9djigt7n5r2vh5w>
- 585 **AUSTRALIA**, 7RN, Hobart, 10 kW. Pretty good signals from this Tasmanian RN network station on two out of four days, identified by the parallel with 792-4RN at 1305 on 8/6. <https://app.box.com/s/6wabtltmvjz9zbxijyq8bnlnpp6epej3>

**UnID-DU.** Weak DU English station not parallel with 576 (ie not 7RN) nor 603 (ie not Radio Ngati Porou) at 1254 on 8/6. Most likely 2WEB in Bourke.

<https://app.box.com/s/s4ircnzej3rjxg7r7v0q1vchd3khs3>

- 594 **AUSTRALIA**, 3WV, Horsham, 50 kW. Dominating the Kiwi co-channel Star network during favorable Australian propagation, this recording at 1243 on 8/7 features some Star music accompaniment (and apparently the same male ABC LR network announcer as the 558 UnID listed above). <https://app.box.com/s/2p7lnkt7cpbd2aqifhi2tqfegi2awxcr>
- NEW ZEALAND**, Star, Timaru/Wanganui, 5/2 kW. All alone with modest level Christian music //657 at 1325 on 8/5. Oddly enough it seemed to get a boost whenever co-channel 3WV was on the frequency. <https://app.box.com/s/zumo4umpmxtilgozcxkrnh8u1nqcih4>
- 603 **NEW ZEALAND**, Manukau, Radio Waatea, 5 kW. Maori language station generally had decent signals, but not up to the level of its 2.5 kW parallel 765-Kahungunu. <https://app.box.com/s/tlqnmsjqj3ks992mds97ihl9s8x84nc3>
- 639 **AUSTRALIA**, 5CK, Port Pirie, 10 kW. Female-voiced LR network announcer (//891) prevailing over apparent commercial co-channel (2HC?) and mystery electrical noise at 1312 on 8/6. <https://app.box.com/s/abcc0crvz6idkhmd29gyxtlzkpeill2n>
- \*\*657 **NEW ZEALAND**, Star, Wellington/Tauranga, 50/10 kW. Christian hymn broadcasting network had excellent signals during Kiwi-enhanced propagation (such as at 1246 on 8/7), and was a convenient parallel signal for network stations on 594 and 963. <https://app.box.com/s/l4gzyq89yg5o127hhaompq756e9gq4xz>
- 675 **NEW ZEALAND**, RNZ National. Christchurch, 10 kW. Usually stronger than its 50 kW parallel 567-RNZ signal on all four days, it was occasionally joined by a weak co-channel during favorable Australian propagation. This good-level signal was at 1320 on 8/7. <https://app.box.com/s/8fcq8e1g7jq5ffru62vpiemzgtujp13x>
- 684 **NEW ZEALAND**, Gisborne, Radio Rhema, 5 kW. The discontinued Gisborne location transmitter has apparently been moved to Eastland, and is now somewhat stronger than before. This Kiwi weather report and Bible reading at 1303 on 8/7 was typical. <https://app.box.com/s/i8o561cza8myntqlq4psdp1iy9s9tmro>
- 702 **AUSTRALIA**, 2BL, Sydney, 50 kW. Usually getting plastered by the Kiwi big gun Magic, the Oz big gun rarely had a clear frequency. One such unusual time was at 1237 on 8/6. <https://app.box.com/s/89xk6k2terhtnla92vkqinvvthrrcus7>
- \*\* **NEW ZEALAND**, Magic, Auckland, 10 kW. Pounding in with monster signals during enhanced Kiwi propagation, this oldies broadcaster had the Oz big gun 2BL on the run all four days. This Motown classic (with a thunderous ID) seriously tested the crunch resistance of my Ultralight radio. <https://app.box.com/s/1kmy738awm8pl70ht0vmsm6rrvswijb6>
- 738 **FRENCH POLYNESIA**, Papeete, Radio Première Polynésie, 20 kW. Not quite as overpowering as during the July DXpedition, but still pretty potent. This typical R&B music was received at 1317 on 8/6. <https://app.box.com/s/01jinpj8ug23cou0fpysnu4k5orjfr6p>
- 756 **NEW ZEALAND**, RNZ National, Auckland, 10 kW. Surprisingly strong despite being only 70 miles (and 6 kHz) away from the 50 kW pest 750-Portland, this RNZ outlet obviously got a major boost from the splatter-reducing cliff, ending up as the strongest overall RNZ frequency during the four days. This potent signal at 1315 on 8/7 was typical. <https://app.box.com/s/jdii2zbb0m6w5fvb7mn6m48rw9o42hyx>
- 765 **NEW ZEALAND**, Radio Kahungunu, Napier-Hastings, 2.5 kW. The strongest of the Maori network stations overall, this low-powered overachiever was usually fairly potent with its mix of Maori and Motown music, such as at 1243 on 8/5. <https://app.box.com/s/fdZX6r6x4aoz50nv0h2t406l3hbnqlaq>
- 774 **AUSTRALIA**, 3LO, Melbourne, 50 kW. Oz big gun dominated the frequency on most days, with the Kiwi Radio Sport a poor second. This strong sports broadcast at 1227 on 8/6 includes a weak female-voiced foreign language co-channel at the end of the recording – maybe the Philippines? <https://app.box.com/s/qqjigpnfcne0qu03ul9pgmb9a521rr38>
- NEW ZEALAND**, Radio Sport, New Plymouth, 5 kW. Not much of a factor during this DXpedition, typically with weak relays of Fox Sports Network way under 3LO.
- 792 **AUSTRALIA**, 4RN, Brisbane, ABC National, 25 kW. Fighting it out with the Kiwi Radio Sport on most mornings, it occasionally had a clear frequency, such as during this 585-7RN parallel recording at 1305 on 8/6. <https://app.box.com/s/o8f3tzrrni3g5ma518jh2d2qf2nb4btb>
- NEW ZEALAND**, Radio Sport, Hamilton, 5 kW. Usually having the edge over 4RN with its Yankee-accented relays of Fox Sports Network, as at 1315 on 8/5. <https://app.box.com/s/d20n837fry6e8th43pq70pf4dtonxuhu>
- 891 **AUSTRALIA**, 5AN, Adelaide, 50 kW. Missing in action for most of the trip except for exceptional Australian propagation on 8/6, when it was weak at best.

- 936 **NEW ZEALAND**, Chinese Voice, Waiulu, 1 kW. A prime target during exceptional Kiwi propagation, this low-powered ethnic station came through with male Chinese speech at 1302 on 8/5. <https://app.box.com/s/cu28ghvb4f91htkvr6sqkl006zxdbjlb>
- 963 **NEW ZEALAND**, Star, Christchurch, 10 kW. Not one of the stronger Star frequencies, but strong enough to confirm the 657 parallel with its Christian music at 1250 on 8/5. <https://app.box.com/s/xdbzft5pu7rhuzpa6sr2a8z2uu9gr0hn>
- 1008 **NEW ZEALAND**, Newstalk ZB, Tauranga, 10 kW. Usually buried in 1010 Spanish splatter, its signals were the weakest in recent memory.
- 1017 **UnID-DU**. A determined search for Tonga at 1058 on 8/6 resulted in only a few ghostly seconds of female foreign language speech before an early (for late Saturday night) sign off. Although the voice apparently matches that in other Tonga recordings it's way too weak to claim a logging. <https://app.box.com/s/f6zr86ke7312gdm26hvx1wg1mrv92mv6>
- 1026 **NEW ZEALAND**, Newstalk ZB, Kaitaia, 2 kW. Heard for the first time with an FSL antenna, this low-powered Kiwi network station was a big surprise //1035 at 1330 on 8/7. <https://app.box.com/s/oaaml2btsettnqu6u9eetrewwt4pithf>
- \*\*1035 **NEW ZEALAND**, Newstalk ZB, Wellington, 20 kW. Along with 702-Magic, this was overall the strongest DU station during the DXpedition. This blistering-level Kiwi ad string was received at 1317 on 8/5. <https://app.box.com/s/qdvv5d0adtclylvyny0igs2gccalerb>
- 1044 **NEW ZEALAND**, Newstalk ZB, Dunedin, 10 kW. Usually fairly strong throughout the trip, although never up to the level of its 1035 parallel. This signal was received during exceptional Kiwi propagation at 1235 on 8/5. <https://app.box.com/s/e3e3zmj0zzberxgkqnjiznba13jeagcr>
- 1386 **NEW ZEALAND**, Radio Tarana, Auckland, 10 kW. Hindu language broadcaster came through with moderate-level speech and music at 1303 on the last day of 8/8, but generally had a rough time with domestic splatter. <https://app.box.com/s/t7q3h54qq9a6t7pldnlmekha4dmn3mwy>

73 and Good DX, **Gary DeBock** (DXing at the Rockwork 4 ocean cliff near Manzanita, Oregon, USA)

## NOAA Space Weather Outlook

Issued September 5, 2016 – For the period September 5-October 1, 2016

Now at <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 forecast period.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to reach high to very high levels on 05-12 Sep due to CH HSS influence. Normal to moderate levels are expected from 13-20 Sep and 26-28 Sep. High levels are expected on 21-25 Sep and 29 Sep-01 Oct due to effects from anticipated recurrent CH HSS events.

Geomagnetic field activity is expected to be at unsettled to active levels on 05-06 Sep with minor storms expected early on 05 Sep as CH HSS effects continue. Quiet to unsettled conditions are expected on 07-08 Sep as effects begin to subside. Mostly quiet conditions are expected from 09-18 Sep with isolated unsettled periods likely on 13, 14 and 17 Sep due to weak recurrent CH HSS events. Quiet to unsettled levels are expected on 19-21 Sep with active periods possible on 19 Sep due to effects from a recurrent, negative polarity CH HSS. Mostly quiet conditions are expected from 22-25 Sep. Quiet to unsettled conditions are expected on 26-27 Sep followed by active to major storm levels from 26 Sep-01 Oct due to effects from the northern polar coronal hole extension.



*DX News is printed by*

Peak Printing, Inc.

716 S. 9th Street, Cañon City CO 81212

(719) 275-2136 [info@peakprintingonline.com](mailto:info@peakprintingonline.com)

All your printing needs – including SWL and Amateur QSL Cards

# International DX Achievements

David Yocis – 9412 Ferry Landing Ct., Alexandria VA 22309, [NRCDXNews@gmail.com](mailto:NRCDXNews@gmail.com)

Thanks to all who have submitted updates. If you're listed here, and haven't updated in a while, please do so! And if you're not listed here, there's no reason not to join in. I'm fairly sure I've included all of the updates I've received since the last time this column ran, but if I have missed something it wasn't intentional ... please send me a (friendly) reminder!

By tradition, the IDXA column is based on stations *verified*, not stations heard. (Two members list stations taped, indicated by a "(t)" after their names.) This time we are sorting based on verifications from Europe; countries verified is the tiebreaker.

<i>Year</i> <i>Start</i>	<i>Name</i>	<i>Location</i>	<i>Last</i> <i>Upd</i>	<i>Total</i> <i>Ver</i>	<i>Cty</i> <i>Ver</i>	<i>For</i> <i>Ver</i>	<i>NA</i>	<i>SA</i>	<i>Eur</i>	<i>Af</i>	<i>As</i>	<i>Oc</i>
1940	Morss, Stan	MA	1993	3922	84	424	218	65	221	14	3	1
1958	Dangerfield, Ben	PA	2011	437	131	338	85	44	153	35	13	8
1938	Anderson, Roger A.	VA/NY/PA	2007	1448	105	514	227	78	128	28	5	48
1958	Merriman, Alan	VA	1994	1615	93	368	212	47	88	14	4	3
1952	Schiller, Ron B.	NJ	1999	2103	86	254	136	34	72	8	3	1
1986	Axelrod, Shawn	So Man	2008	2487	56	342	196	38	57	12	10	29
1965	Sampson, John	NJ	1965	445	54	72	23	6	38	3	1	1
1976	Renfrew, Jim	NY	2003	540	56	91	59	10	19	1	1	0
1957	Callarman, John	?	1970	740	50	138	72	20	17	3	6	20
1962	Edmunds, R. J. (t)	NJ	1998	897	43	56	50	37	14	0	1	0
1964	Fela, Joseph	NJ	1965	738	24	35	19	4	11	1	0	0
1965	Neff, James R.	NY	2011	30	29	87	70	4	10	1	1	1
1962	Musco, Ron	CT	2011	1328	54	48	32	3	10	2	1	0
1931	Holland, George B., Jr.	NY	2006	885	22	58	46	5	5	0	1	2
1958	Phillips, Dan	TN/AL	1974	567	26	40	21	9	5	1	0	3
1966	Bruner, Jesse R.	KY	1966	132	23	27	17	3	5	0	0	2
1964	Heinen, Wayne	NY	2006	472	14	21	14	2	5	0	0	0
1964	Whatmough, Dave	ON	1999	1014	13	15	6	1	3	6	0	0
1969	Falconer, Jeff	ON	2000	1091	22	20	14	2	2	0	0	2
1977	Wolfish, Niel	ON	1977	397	11	20	14	4	2	0	0	0
1959	Dabelstein, Carl	NE	1959	2310	40	207	25	1	1	0	0	3
1975	Heinen, Wayne	CO	2010	1734	15	135	128	1	1	0	2	3
1969	Karchevski, Bob	MA/CA	1975	204	24	141	112	0	0	0	0	6
1975	Swearingen, Paul (t)	KS	2010	910	23	126	63	16	0	0	0	0
1958	Wesolowski, Ernie	NE	2007	1967	26	70	55	6	0	1	1	7
1992	Taylor, Pete	CA	1993	375	26	58	22	4	0	0	19	13
1973	Mount, Paul	NJ	1995	230	6	25	22	2	0	0	0	0
1968	Bytheway, Phil	WA	1982	457	9	20	0	0	0	0	0	0
1962	Edmunds, R. J.	NJ	1998	266	7	13	10	3	0	0	0	0
1968	White, Thomas	VA	2005	255	12	12	11	1	0	0	1	0
1964	Edmunds, R. J.	NY	1999	76	3	1	1	0	0	0	0	0
1975	Bartek, Daniel, Jr.	NE	1976	23	2	0	0	0	0	0	0	0
1965	Long, John	CT	1968	101	29	0	0	0	0	0	0	0

## Index to Volume 83

For each item, the first number is the issue number and the second number is the first page number.

Cuba MW List	1-17
College Sports Networks	1-25, 2-20, 10-21, 14-32
Confirmed DXer	6-9, 11-10, 14-6, 16-6, 20-14
Domestic DX Achievements	10-28
DX News Submission Guidelines	14-35
DX Toolbox	2-21, 4-21, 7-17, 9-20, 10-22, 12-24, 15-16, 16-19, 17-16, 18-14, 19-15, 20-26
Geomagnetic Indices	2-19, 4-15, 7-19, 8-22, 12-28, 13-23, 14-34, 16-23, 17-19, 18-13, 19-13, 20-14
Graveyard DX Achievements	2-24 (1240), 7-20 (1340)
Graveyard DX Updates	1-27, 9-19, 14-33, 15-15

Grayland DXPedition	16-21
International DX Achievements	20-30
LBI 14 DXPedition Report	12-19
Musings of the Members	3-20, 5-13, 16-18, 18-15, 19-8, 20-6
Pro Sports Networks	3-21 (NHL), 4-19 (NBA), 6-23 (AHL), 14-22 (MLB), 16-20, 17-18, 20-18 (NFL)
Rockwork DXPeditions	3-30, 19-16, 20-27
3" -FSL for the PL-380	11-19, 12-26
Treasurer's Report	7-26
Unreported Stations List	19-21

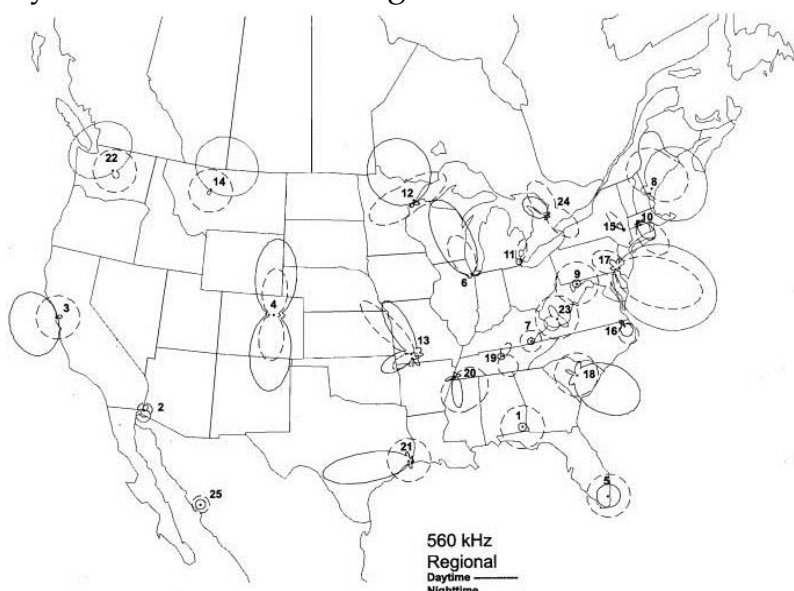
## FCC Silent Station List

94 stations on the FCC web site as of September 9, 2016 – often less than 100% accurate.

560 WCKL-NY	1220 WAXO-TN	KZEY-TX	WPAK-VA
630 WJDB-AL	1230 KBNH-OR	1420 WRSA-VT	1500 WASN-OH
700 WCNF-AL	1240 WULA-AL	1440 KPTO-ID	1520 WLGC-KY
810 KLVZ-CO	KVRC-AR	1450 WCOX-AL	WGTM-NC
850 WKGE-PA	1290 WWHM-SC	KPTR-CA	1530 WDJZ-CT
900 WOZK-AL	1300 WBZQ-IN	KAVP-CO	1540 WJZI-IN
WNMB-SC	1310 KZYP-AR	KTRP-ID	KTGG-MI
910 WAVL-PA	WPBC-GA	WPAM-PA	WONA-VA
KWDZ-UT	WDTW-MI	KCTI-TX	1550 KLFJ-MO
920 KPSI-CA	1330 WSPQ-NY	WBVA-VA	KQNM-NM
930 KIUP-CO	1340 KWXY-CA	WHNK-WV	WUSP-NY
WSFZ-MS	KCRN-TX	1460 WATD-MA	WVAB-VA
950 WNZZ-AL	1360 WHCG-GA	WPON-MI	1570 KVAM-CO
1050 KORE-OR	WGBN-PA	1470 WVBS-NC	WLEE-MS
KFIO-WA	WHJC-WV	1480 WRCK-NY	1580 KHEP-AZ
1080 KCNM-MP	1370 KTPA-AR	WQTM-NC	WTCL-FL
1090 KRKE-NM	1380 KFXN-MO	KNTB-WA	WPKY-KY
1110 WOMN-LA	WMYF-NM	1490 WSYL-GA	WPJK-SC
1120 KLIM-CO	WLRV-VA	KXLQ-IA	WMTI-PR
WXJO-GA	1390 KHOB-NM	WSTP-NC	1590 WPUL-FL
1130 WEAJ-SC	WFBL-NY	WSVM-NC	1600 WMCR-NY
1150 KDEF-NM	1400 WFL-FL	KBIX-OK	WXMY-VA
1200 WFCN-TN	WFOR-MS	KYZS-TX	
1210 WLRO-LA	1410 WIQR-AL	WFAD-VT	

## NRC Antenna Pattern Book, 7th Edition

The 7th Edition of the *NRC Antenna Pattern Book* is now available. This all new edition prepared by NRC'er Paul Swearingen is an all-inclusive book of patterns for both Day and Night operation of stations in the USA, Canada and selected foreign stations. The data for the book comes from the 34th Edition of the *AM Radio Log* and NRC'er John Callerman's comprehensive Mexican station listing.



The book comes shrink wrapped in 8½ by 11 three hole punch format for placement in your own three ring binder. There are 240 pages and the book has maps covering 530 through 1700 kHz depicting the lower USA, Canada and Mexico. Hawaii and Alaska are shown on separate maps at the of the book.

Price/ordering info: Same as for the *NRC AM Log* (see page 1). Colorado residents, please add 3.5% sales tax.

## National Radio Club

Founded in September, 1933, the National Radio Club is a non-profit organization devoted to the medium wave DX hobby. It is operated solely by uncompensated volunteers. Subscription costs cover printing, postage, and operational costs and are subject to change without prior notice. The opinions expressed in this magazine are those of the individual writer and do not necessarily reflect those of the Publisher or the Board of Directors of the National Radio Club, Inc. Any reproduction of material contained in DX News/e-DXXN without permission of the National Radio Club or the author is prohibited. All published material in DX News/e-DXXN may be reprinted by the National Radio Club at a later date. DX News/e-DXXN published material reprinted in other publications should include an attribution naming the author and DX News/e-DXXN as the original source. Construction projects described herein may be hazardous and are to be undertaken at the assembler's risk; the NRC, its officers, and author(s) will not be responsible for any injuries or losses arising during these projects. Tool usage and electricity can be dangerous.

NRC Board of Directors: Shawn Axelrod <amandx@mymts.net> – 30 Becontree Bay – Winnipeg MB R2N 2X9 Canada; Wayne Heinen <amradiolog@nrcdxas.org>; NRC AM Radio Log Editor – 4131 S. Andes Way – Aurora, CO 80013-3831; Dave Schmidt <NRCMusings@aol.com> – 49 N. Sumner St., York PA 17404; Paul Swearingen <plsbcbxer@aol.com>; Chairman; Dick Truax <K9RT@aol.com>; NRC Treasurer – P. O. Box 39451 – Louisville, KY 40233-9451.

NRC on the World Wide Web: The NRC web site is [www.nrcdxas.org](http://www.nrcdxas.org); e-DXXN is at [www.e-dxn.com](http://www.e-dxn.com) (Craig Krist, webmaster).

*National Radio Club members may choose to receive our print publication (DX News), e-DXXN (including online access to the .pdf version of DX News), or any combination of these.*

- **DX News – David Yocis, Publisher/Editor**<NRCDXNews@gmail.com> – 9412 Ferry Landing Ct.– Alexandria, VA 22309; 202-415-3011 [leave voice mail]. (Send only material for publication in *DX News*.)

**Subscriptions and Renewals to DX News:** Yearly subscription (20 issues, biweekly in DX season): To a U.S. Address: US\$45.00; to a Canadian Address: US\$55.00; to all other countries: US\$70.00.

**Subscriptions and Renewals to e-DXXN:** Annual registration: \$5.00 for subscribers to DXXN; \$15.00 for an e-DXXN-only membership. Access the e-DXXN web site <[www.e-dxn.com](http://www.e-dxn.com)> and follow the links.

**Send all payments to NRC Headquarters at:**

**National Radio Club**

**PO Box 473251**

**Aurora, CO 80047-3251**

<[sales@nrcdxas.org](mailto:sales@nrcdxas.org)>

**National Radio Club**

**P.O. Box 473251**

**Aurora, CO 80047 – 3251**

Please send all of the following to NRC Headquarters in Aurora:

- **New subscriptions and renewals** for DX News, the DX Audio Service, and e-DXXN.com.
- **Subscription or delivery problems** for DX News or DXAS.
- **Changes of address** for DX News.

- **All NRC Publications** orders.

For multiple items, there's no need to send separate checks or in separate envelopes. It all goes to the same National Radio Club HQ.

Payment options for any item: US\$ funds only: check, money order, or credit card (via PayPal: access <[www.nrcdxas.org](http://www.nrcdxas.org)> ONLY and follow the links), or cash at your risk. (Out of USA: Postal money order or PayPal only; NO checks.)

All checks and money orders should be made out to: **National Radio Club**.

DX News is printed by Peak Printing – 716 South 9th Street – Cañon City CO 81212 – (719) 275-2136 – <[info@peakprintingonline.com](mailto:info@peakprintingonline.com)>

**First-Class Mail**  
**U.S. Postage**  
**PAID**  
**Cañon City, CO**  
**Permit # 22**