

DX News

Serving DXers since 1933



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Inside this issue . . .

2 ... AM Switch	12 ... International DX Digest	31 ... Geomagnetic Indices
6 ... Domestic DX Digest West	20 ... Pro Sports Nets (NFL)	32 ... GYDXA Updates
9 ... Domestic DX Digest East	31 ... Musings of the Members	33 ... From the Archives

From the Publisher: Sad news to pass along that longtime NRC member Ron Schiller passed away in Coeur d'Alene, Idaho on September 23 at the age of 79. Ron had been an NRC member for more than 50 years, and in recent years he has compiled the "From the Archives" column in *DX News*. Our condolences to his family and DX friends.

We have a very full issue this time, and are holding a large DX Toolbox column as well as the GYDXA listings for 1490 kHz. We are back to the biweekly schedule, and you can find the full schedule for Volume 86 on page 30.

Please note that I will be traveling on the weekend for the publication of our next issue (#3) and so I may be a bit delayed in acknowledging submissions and in getting *DX News* out. Your patience is appreciated!

Publications: The 8th Edition of the NRC *Antenna Pattern Book* is now available! See page 34 for full details. Together with the 39th Edition

of the NRC *AM Radio Log*, these are your essential tools for DXing North American AM radio stations. Order your copies today!

And don't forget that you can keep your *Log* and *Pattern Book* up to date by following the "AM Switch" column here in *DX News*. Look for an "Interim AM Switch" each weekend that *DX News* is not published, available on e-DXN.com, with all the FCC changes and *Log* updates that have become available since the last update.

Membership Report

New Members: Welcome to Billy Echols, Graceville, FL.

Rejoining Members: Welcome back to Brandon Jordan, Rossville, TN; and Gary L. Smith, Southington, CT.

Renewing Members: Thanks for the ongoing support of Sean Breazeal; Kurt Decker; Arthur Delibert; Marc DeLorenzo; Allan Dunn; Joseph Kremer; Tom Mulvaney; Tim Noonan; Edmund H. Smith; and Robert D. Young, Jr.

NRC AM Radio Log 39th Edition Is Now Available



The National Radio Club, the world's oldest and largest Broadcast Band DX Club, is proud to announce the publication of the 39th edition of the *AM Radio Log*. The *AM Radio Log* is a source for information on AM radio stations in the United States and Canada. The 39th edition of the *Log* contains 302 pages of data and cross references and 12 pages of instructions in 8-1/2" x 11" size, 3-hole punched, U.S. loose leaf format. This publication fits nicely into a 1" three-ring binder. 10,000+ updates since last year's 38th Edition of the *Log*! New for this year is a cross reference by State/Provinces in frequency order. This list is ideal for targeting needed areas. Additional reference lists include call letters of FM simulcasts with the AM Stations listing, listings of regional groups of stations in the groups section (separate section of the *Log*), a cross reference of those stations that are licensed to use IBOC (In Band On Channel) digital audio, and a comprehensive list of FM translators that are now simulcasting with AM broadcasters.

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.nationalradioclub.org/>

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AM Switch

David Yocis, 9412 Ferry Landing Ct., Alexandria VA 22309, NRCDXNews@gmail.com

Canadian info – Compiled by Shawn Axelrod and Dan Sys

NRC AM Log updates from Wayne Heinen, amlog@nationalradioclub.org

FCC and CRTC Decisions and Applications

CALL CHANGES

- 1240 **WBAX PA Wilkes-Barre** – Call change to WQFM (Oct. 1).
 1510 **WYEC IL Macomb** – Call change to WCAZ (Sept. 24). Macomb is about 30 miles east of Carthage, where WCAZ-990 had its license cancelled about a year ago.
 1570 **WQTW PA Latrobe** – Call change to WKHJ (Sept. 28).

NEW STATION WATCH

- 960 **CP AK Kenai** – Granted amendment to CP for new station to U1 5000/2500, corrected coordinates to 60-30-38/151-16-12, ex-980 kHz.
 1350 **CIRF ON Brampton** – Application to change transmitter site for new station CP denied; deadline to get the CP on the air remains December 7.

STATIONS GOING DARK

- 600 **CBAX NB McAdam** – LPRT silent and deleted; has moved to FM.
 860 **CBDI NT Fort Smith** – LPRT silent and deleted; has moved to FM.
 1540 **WDCD NY Albany** – License cancelled; voluntarily surrendered by licensee Sept. 28.

CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs fully licensed and on the air:

- 1080 **WHOO FL Winter Park** – CP for U4 6000/55 at 28-28-00/81-22 -29, ex-Kissimmee FL, is on the air.
 1260 **WMDG GA East Point** – CP for U1 5100/52 at 33-41-47/84-28-29, ex-1270 kHz and ex-Cartersville GA, is on the air.
 1340 **KACH ID Preston** – CP for new site, 42-07-28/111-50-45, is on the air.



CPs built, awaiting final licensing:

- 850 **WKVL TN Maryville** – Applies for license to cover CP for D1 1000 at 35-45-40/83-58-56, CoL ex-Knoxville TN.
 1250 **KBTC MO Houston** – Applies for license to cover CP for U1 980/50.
 1580 **WVOZ PR Aguadilla** – Applies for license to cover CP for U5 1000/1000, CoL from Morovis PR, new site 18-24-09/67-08-48.

CPs granted:

- 920 **KDHL MN Faribault** – Granted CP for U4 3300/1000; adjusted coordinates 44-15-47/93-16-27.
 940 **KWBY OR Woodburn** – Granted CP for U1 10000/200; adjusted coordinates 45-10-34/122-50-57.
 1500 **WAKE IN Valparaiso** – Granted CP for U7 250/8 (ch 190), CoL to Hobart IN, tower to 41-32-20/87-17-59.

Applications for CPs filed:

- 590 **KSSK HI Honolulu** – Applies to reduce tower height (due to proximity to Honolulu Airport) and to increase power to U1 7800/7800; triplexed with KHVH-830 and KIKI-990, which are also applying for CPs.
 830 **KHVH HI Honolulu** – Applies to increase power to U1 11000/11000.
 990 **KIKI HI Honolulu** – Applies to increase power to U1 5700/5700.

Amendment to pending application filed:

- 1460 **WPON MI Walled Lake** – Has pending application to replace expired CP with U4 670/175 at new site 42-32-39/83-33-36; amends application to U4 670/580 (higher power now available due to FCC AM Revitalization rules changes).



CPs deleted:

1490 KJNT WY **Jackson** – CP to move to Etna WY and 1480 kHz with U1 1000/30 expired unbuilt and deleted.

SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

790 WKRD KY **Louisville** – Granted STA, night parameters at variance, pattern out of whack.
 830 WTRU NC **Kernersville** – Granted STA, U1 10000/10000; transmitter problems.
 980 WONE OH **Dayton** – Granted STA, parameters at variance; pattern problems, likely due to changes in the tower area.
 1130 WDFN MI **Detroit** – Granted STA, night parameters at variance, pattern out of whack.
 1240 KOKL OK **Okmulgee** – Granted STA, U1 333/333; faulty insulators on the tower preventing operation at full power.
 1360 WCHL NC **Chapel Hill** – Granted STA, U1 5000/250 or less; flooding from Florence.
 1430 WNEL PR **Caguas** – Granted STA, U1 2300/2300 from surviving part of tower.
 1540 WJZI IN **Decatur** – Granted STA, D1 62.5 from temporary 151' longwire at the licensed site; tower collapsed in 2015 and silent station needs to broadcast to maintain license.

Application for STA filed:

950 WORD SC **Spartanburg** – Applies for STA, parameters at variance, pattern problems after lightning strike.



Extensions to previous STAs granted:

560 WHYN MA **Springfield** – Granted STA extension, U1 1250/250 or parameters at variance.
 580 WKAQ PR **San Juan** – Granted STA extension, U1 10000/4500.
 590 WDIZ FL **Panama City** – Granted STA extension, U1 1700/625.
 860 KTRB CA **San Francisco** – Granted STA extension, U1 50000/5000 from licensed day site.
 890 KDXU UT **St. George** – Granted STA extension, minor parameters at variance.
 920 WYMB SC **Manning** – Granted STA extension, U4 400/1000, night pattern during day.
 KKLS SD **Rapid City** – Granted STA extension, parameters at variance.
 940 WIPR PR **San Juan** – Granted STA extension, U1 2500/2500 from WKAQ-580 tower.
 1060 KGFX SD **Pierre** – Granted STA extension, parameters at variance.
 1070 WCSZ SC **Sans Souci** – Granted STA extension, U1 12500/375.
 1120 KLIM CO **Limon** – Granted STA extension, D1 10, temp. antenna at 39-15-56/103-41-57.
 1130 KSDO CA **San Diego** – Granted STA extension, U1 2500/2500, dropwire antenna at 32-43-51/117-04-59.
 1170 WQHC AL **Hanceville** – Granted STA extension, D1 10, vertical whip at 34-03-26/86-46-33.
 1190 WPSP FL **Royal Palm Beach** – Granted STA extension, U4 2200/410, Cuban QRM.
 1230 WRBS MD **Baltimore** – Granted STA extension, U1 400/400, from WOLB-1010/WWIN-1400 tower.
 1280 WSAT NC **Salisbury** – Granted STA extension, night parameters at variance.
 1350 WEGA PR **Vega Baja** – Granted STA extension, U1 625/625.
 1410 WDOV DE **Dover** – Granted STA extension, parameters at variance.
 1430 WENE NY **Endicott** – Granted STA extension, parameters at variance.
 1450 WTKI AL **Huntsville** – Granted STA extension, U1 550/550, 169' longwire at 34-43-43/86-36-01.
 1480 KYOS CA **Merced** – Granted STA extension, U1 4300/250 from CP site.

Applications to extend existing STAs filed:

610 WTVN OH **Columbus** – Applies to extend STA, U1 5000/1250.
 660 KGSV CA **Oildale** – Applies to extend STA, U1 2000/1500.
 910 WLTP OH **Marietta** – Applies to extend STA, U4 5000/9, day site/pattern at night.
 920 KDHL MN **Faribault** – Applies to extend STA, parameters at variance.
 960 KNEB NE **Scottsbluff** – Applies to extend STA, reduced day power (using U4 2500/350).
 1160 WOBN NJ **Lakewood Township** – Applies to extend STA, parameters at variance.
 1300 WKQK FL **Cocoa Beach** – Applies to extend STA, U4 5000/250, day pattern at night.
 1310 WADB NJ **Asbury Park** – Applies to extend STA, U1 625/250.
 1390 WSPO SC **Charleston** – Applies to extend STA, U1 5000/1250.
 1410 WPOP CT **Hartford** – Applies to extend STA, U1 1250/1250.
 1440 WGVL SC **Greenville** – Applies to extend STA, U1 5000/1250.
 1520 KKZZ CA **Port Hueneme** – Applies to extend STA, minor parameters at variance.



WTRI MD Brunswick – Applies to extend STA, minor parameters at variance.

SILENT STATIONS

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

- 980 **KICA NM Clovis** – Silent Aug. 31 (2017); back on the air Sept. 29. That's more than a year of silence; unclear what (if anything) the FCC will do about this.
- 1250 **KPZK AR Little Rock** – Silent July 20; back on the air Sept. 26.
- 1460 **WEWO NC Laurinburg** – Silent Sept. 15; back on the air Sept. 21.
- 1660 **WGIT PR Canovas** – Silent Sept. 20 (2017); back on the air with STA granted Sept. 14 (but unclear when broadcasting actually started).

Stations informing the FCC that they are silent:

- 540 **WETC NC Wendell-Zebulon** – Silent Sept. 18; new licensee to make repairs.
- 830 **WUMY TN Memphis** – Silent Sept. 30; pending completion of station sale to a Christian group (so probable format switch to REL when it comes back).
- 1230 **WLNR NC Kinston** – Silent Sept. 12, damage from Hurricane Florence.

COORDINATE CORRECTION

- 1380 **WMTA KY Central City** – Applies for CP to correct coordinates to 37-16-31/87-08-47.

NRC AM Log updates



- 570 **WNAX SD Yankton** – Adds // K245DA-96.9; delete // K260BO-99.9.
- 600 **KSJB ND Jamestown** – Adds // K261FC-100.1.
- 660 **WBHR MN Sauk Rapids** – Adds // W239CU-95.7. (FCC)
- 680 **WGES FL Saint Petersburg** – Adds // W225CQ-92.9. (FCC)
- 710 **KFIA CA Carmichael** – Adds // K245AR-96.9. (FCC)
- WEGG NC Rose Hill** – Format to UC:GOS (ex-UC:OLD Reported Silent); slogan to "The Vine Connection."
- 730 **WJMT WI Merrill** – Networks to C/Wi. (JJR)
- 820 **WCPT IL Willow Springs** – Slogan to "Chicago's Progressive Talk," delete Grp= Chicago's Progressive Talk.
- 850 **WKVL TN Knoxville** – Networks to SBN.
- 860 **KNAI AZ Phoenix** – Slogan to "La Campesina," adds // K270BZ-101.9; delete Grp= La Campesina.
- 910 **WFJX VA Roanoke** – Adds // W282CK-104.3. (FCC)
- CKDQ AB Drumheller** – Slogan to "Real Country 910."
- 920 **KYST TX Texas City** – Slogan to "La 920 AM Para Mi Gente." (TK)
- 970 **WTBF AL Troy** – Adds // W242DA-96.3. (FCC)
- 980 **WYFN TN Nashville** – Networks to SRN/BBN.
- 1120 **WVLZ TN Maryville** – Slogan & Group to Grp= Mid Century Radio.
- 1130 **WBBR NY New York** – Networks to Nn/BNN/Ns. (SK)
- 1150 **KNMM NM Albuquerque** – Format to SS (ex-VAR:Music); slogan to "K New Mexico."
- 1180 **WKCE TN Knoxville** – Slogan & Group to Grp=Mid Century Radio.
- 1230 **KRXK ID Rexburg** – Adds // K261DB-100.1. (FCC)
- KMRS MN Morris** – Adds // K299BX-107.7.
- WOIC SC Columbia** – Format to AOR (ex-SPT); slogan to "94.9 The Palm," drops nets.
- 1300 **WQPM MN Princeton** – Format to OLD (ex-CLR); slogan to "The Big Q," adds // W298CE-107.5; delete Grp= The Killer Bee.
- 1320 **KNIA IA Knoxville** – Slogan & Grp= True Country 1320 & 95.3.
- WAGY NC Forest City** – Format to OLD (ex-C&W); slogan to "True Oldies," adds // W298CZ-107.5.
- 1350 **WLOU KY Louisville** – Slogan to "Praise 104.7."
- 1360 **WFFF MS Columbia** – Adds // W230CS-93.9. (FCC)
- WOEN NY Olean** – Networks to WW1.
- 1390 **KLGN UT Logan** – Format to SPT (ex-AC/EZL); slogan to "The Fan," networks to FSR, adds // K295CW-106.9, delete // K277BD-103.3.
- 1400 **KBRB NE Ainsworth** – Adds // K292HE-106.3; delete // KBRB-FM-92.7.
- WDNY NY Dansville** – Slogan to "Hometown Radio."
- WJET PA Erie** – Adds // W244DX-96.7. (FCC)



- KREW TX Plainview** – Slogan to "Hometown Radio," networks to A/Tx/Tf/WW1, adds // KZZN-1490.
- 1410 WENU NY South Glens Falls** – Adds // W245DA-96.9. (FCC)
- 1430 KBRC WA Mount Vernon** – Adds // K275CV-102.9. (FCC)
- WRDN WI Durand** – Adds // W297CH-107.3.
- 1450 KSIG LA Crowley** – Format to AC/EZL (ex-OLD); slogan to "Sunny 95.1," adds // K236CW-95.1.
- WHLS MI Port Huron** – Slogan to "Rock 105.5," adds // W288BT-105.5; delete Grp= Rock 105.5. (JJR)
- KZZJ ND Rugby** – Adds // K221GN-92.1.
- 1470 WGNR IN Anderson** – Slogan to "Moody Radio."
- 1480 WJBM IL Jerseyville** – Format to FARM/C&W (ex-TLK/FARM/SPT); slogan to "Real Country 104.7 and 1480," adds // W284DN-104.7. (EB)
- WDAS PA Philadelphia** – Slogan & Group to Grp= Breakthrough Radio.
- 1490 KZZN TX Littlefield** – Slogan to "Hometown Radio," adds // KREW-1400.
- KUGR WY Green River** – Format to AC/OLD:TLK (ex-AC/EZL:TLK); slogan to "Cougar Radio."
- 1500 WPMB IL Vandalia** – Group to Grp=Vandalia Radio.
- 1510 WWBC FL Cocoa** – Format to Brokered/TLK/VAR (ex-NWS/TLK). (TK)
- WQQW IL Highland** – Format to NWS/TLK/FARM (ex-CLR/FARM); adds // W275CS-102.9, slogan to "Southwest Illinois' News Radio 1510," nets to Fox/AGt. (EB)
- WCAZ IL Macomb** – Format to C&W (ex-CCR). (FM)
- 1520 WDSL NC Mocksville** – Adds // W243EC-96.5. (FCC)
- WPAY OH Rossford** – Format to CCR (ex-SS:REL); slogan to "K-Love."
- 1550 KXEX CA Fresno** – Slogan to "Bendita Eucaristia Radio."
- 1560 WYZD NC Dobson** – Adds // W240DQ-95.9. (FCC)
- 1590 WHLX MI Marine City** – Format to CHR (ex-Rock); slogan & Group to Grp=Today's Hit Music (ex-Grp= Rock 105.5).
- WCSL NC Cherryville** – Adds // W222CO-92.3. (FCC)
- 1690 WPTX MD Lexington Park** – Networks to Nn/WW1. (SK)

New Groups

- Grp= Breakthrough Radio – WDAS-1480, W281BI-104.1, W273DO-102.5
- Grp= Mid Century Radio – WKCE-1180, WVLZ-1120, W246DH-97.1
- Grp= Today's Hit Music – WHLX-1590, WBTI-96.9, W224DT-92.7
- Grp= True Country 1320 & 95.3 - KNIA-1320, K237DH-95.3, K232FR-94.3
- Grp= Vandalia Radio – WPMB-1500, W274CE-102.7, W284BI-104.7
- Grp= Whamo 100 – WAMO-660, W297BU-107.3, W261AX-100.1

Group Changes

- Grp= The Sports Animal – Adds K251CN-98.1 Elk City

Deleted Groups

- Grp= Chicago's Progressive Talk
- Grp= La Campesina
- Grp= Rock 105.5
- Grp= The Killer Bee



Thanks to Shawn Axelrod, Bill Hale, FCC Database (FCC), Steve Kennedy (SK), Eric Bueneman (EB), Terry Krueger (TK) John J Rieger (JJR), Fran Merrill (FM).

MEMBERSHIP RENEWALS

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



Domestic DX Digest – West

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

PLEASE SUBMIT ALL REPORTS IN THE FORMAT SEEN BELOW

Send either within an email, or as an attachment in plain text or RTF using ELT only. No Excel, Word or PDF documents, please. Your cooperation is much appreciated. Reports older than 30 days will be excluded at the editor's discretion.

Deadline for Volume 86 Issue 3: Thursday, October 18.

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

REPORTERS

- SMA-MB** Shawn Axelrod Winnipeg, MB RX: ICOM ICR70 / Drake R8; Antennae: 3-foot un-amplified box loop / Quantum QX Loop v2.0 / 155-Foot U-shaped outdoor wire / 100-foot indoor wire run around the basement walls / MFJ 1026 Phasing unit
- RD-IA** Rick Dau on U.S. Highway 71 near Audubon, Iowa Nissan NV1500 cargo van radio
- TRH-CA** Tim Hall Chula Vista CA Perseus SDR-IQ, 600 ft. unterminated beverage aimed SSE/NNW, Toyota car radio
- JEL-MO** J E Lewis Kansas City, MO Honda Odyssey car radio
- JJR-WI** John J Rieger South Milwaukee, Wisconsin Icom IC-R75, MFJ-959B tuner, preamp, Kiwa loop
- JW-CO** John Wilkins Wheat Ridge, Colorado Drake R-8, 4-foot box loop

SPACE RESERVED FOR YOU!!

TIS and OTHER

- 1610 WQKR325** CA San Marcos – 9/23 1835 – City of San Marcos TIS getting out well with tape loop by female announcer containing typical city information. New, for CA #351, station #1441. (TRH-CA)
- 1660 WQYH313** CA Escondido / Vista – 9/23 1830 – The three CalTrans stations for the CA-78 corridor in Oceanside, Vista, and Escondido, which used to be on 530 under the call signs WNRS426/427/428, moved to 1660 a few years ago. The CalTrans staff, who manage the HAR stations across Southern California, are absolutely hopeless when it comes to IDing their stations (and they have been for over 20 years!). Of the two stations logged this week, the Escondido station mis-IDs as "WNRS427, WNRS428 and WNSB426," and the Vista station mis-IDs as "WNSB426, WNSB427 and WNSB428," each of which is a bizarre mix of the old callsigns of these three stations and the callsign of the station on 1620 kHz at the San Ysidro border crossing over 40 miles to the south (WNSB415). Short and fairly useless message advising motorists to go to a website or dial 511 for traffic conditions. New, CA #352/353, stations #1442/1443. (TRH-CA)

[Editor's Note: I received many emails concerning the National EAS Test on October 3 (both on the radio and as a text message, as I did). None of these were considered DX, so they are not mentioned here. But, Thanks for sending them, as it proves the system works. If anyone heard the test in a truly DX situation, send them along.]

DX LOGGINGS

- 620 KMNS** IA Sioux City – 10/4 2040-2042 – Good-to-fair, O/U local 610 KCPS splatter, with 'Football Game of the Week'. Faded quickly. Rare. They run 1 kW at night, but with one of their lobes aimed right at us. (JEL-MO)
- 660 WBHR** MN Sauk Rapids – 10/4 2045-2100 – Good-to-fair, with really long interview with local football player, then into ads, legal ID. Don't know whether they were on day or night power. Days they run 10 kW with a broad lobe toward the NE. Nights they run 1 kW with a broad peanut shaped pattern toward the West, but that means they do send a decent amount in our direction. Checked WCCO-830 and they were coming in like a local. Rare. (JEL-MO)

- 690 KFXN MN Minneapolis – 10/3 1520 – Fair, with woman singing a capella in Hmong language. Their 500-watt day power does a decent job of getting out to the southwest of the Twin Cities. (RD-IA)
- 700 KHSE TX Wylie – 10/4 0732 – Fair @ 20/9, with SS music, ID for KHSE & FM translator, # to call. (JJR-WI)
- 720 KFIR OR Sweet Home – 9/22 0020 – Level with KDWN with the last few minutes of the Bi-Mart high school football game of the week (Newport Cubs at Philomath Warriors). Surely running 10 kW day rig. Relog. (TRH-CA)
- 730 KEZX OR Medford – 9/13 0859 – Pre-recorded ID by female announcer: "Your home for Portland Trailblazers basketball, Fox Sports radio 7-30 AM KEZX Medford." Relog, but fairly rare here. (TRH-CA)
- 780 WBBM IL Chicago – 10/2 1514 – Weak, but readable under WJAG, with ". . . Newsradio 780 and 105.9 . . ." heard at the end of weather forecast, then into sports update. In a twist of irony, WJAG-780's translator is also on 105.9. (RD-IA) [Editor's note: As most of you are probably aware, WBBM is moving its transmitter approximately 4.5 miles SSW to be diplexed into the tower of sister WSCR-670. As WSCR's tower is taller, WBBM is forced to reduce their power to become U1 35000/42000 in order to satisfy FCC interference protection requirements toward other co-channel and adjacent channel stations.]
- 780 WJAG NE Norfolk – 10/2 0803 – Local ads, news headlines, then 'Skywatch Weather' at 0805, giving current temperatures in Nebraska burghs. Generally fair. (JW-CO) [Editor's note: BTW, WJAG 'brags' they are: ". . . the oldest Family Owned Radio Operation in the WORLD."]
- 800 KXIC IA Iowa City – 10/1 1517 – Faint, but in there with Chicago Cubs baseball // KRNT-1350 and KCIM-1380. Heard during a few brief seconds of dead air on KQAD. (RD-IA)
- 800 CJAD QC Montreal – 10/04 2105 – Fair-to-good signals, with local news and weather with "News Talk Radio CJAD Radio" ID. No sign of usual pest CHAB for a change. (SMA-MB)
- 810 WZRK WI Dodgeville – 10/3 0753 – With "Highway to Hell, AC/DC on 96-9 Z Rock". Kinda stood out, hi! (JJR-WI)
- 880 KCMX OR Phoenix – 9/22 0000 – Solid signal, under KKMC, with South Medford Panthers high school football. Relog. (TRH-CA)
- 890 KVMX CA Olivehurst – 9/22 0000 – Level with KDXU's high school football game with "la ranchera me gusta mas" jingle. NOTE: This station and KTGE-1570 broadcast a 4-note attention signal sometime during the first two minutes of almost every hour. The first three notes sound exactly like the old NBC chimes, and the 4th note is higher than the first three. This attention signal is almost as good as a DX test. Relog. (TRH-CA)
- 900 CKBI AB Prince Albert – 10/3 0734 – Poor, with "Saskatchewan Country . . . CKBI.com" and OLD C&W. Atop! (JJR-WI)
- 910 CKDQ AB Drumheller -10/02 0725 – Fair signal, with country western music. New ID as "Real Country 910" and CKDQ callsign. Seems that it may no longer be // CFCW-840. (SMA-MB)
- 940 KIXZ TX Amarillo – 10/4 0651 – Poor, with "NewsTalk 940 KIXZ online at . . .", and moved on. Alone. (JJR-WI)
- 1040 CKST BC Vancouver – 10/3 0748 – Poor, but quite noticeable in easily-nulled WHO. ESPN fare. Only affil. (JJR-WI)
- 1060 CKMX AB Calgary – 10/3 0730 – Poor, but in solid over weak WHFB. "Funny 1060, your second favorite station"; comedy. (JJR-WI)
- 1110 KBND OR Bend – 9/21 0659 – Partially readable legal ID at 0659 for 'AM 1110 and FM 100.1'. Rough copy under KFAB. (JW-CO)
- 1190 KDMR MO Kansas City – 10/3 0727 – Poor, with 'EWTN Morning Glory' feed. No WOWO. Weak C&W in back. Assumed. (JJR-WI)
- 1240 KBIZ IA Ottumwa – 10/3 0726 – Poor, with many Iowa sports mentions, high school sports, calls, farm info. Alone. (JJR-WI)
- 1250 KHIL AZ Willcox – 9/23 0802 – Legal ID for "AM 1250 and FM 98.1", and then "Hello Willcox, this is Tanya Tucker and you're listening to the station I always listened to when I was a kid – KHIL", followed by an old fiddle version of 'Tennessee Waltz'. Fair. (JW-CO)



- 1260 KNBL ID Idaho Falls – 9/28 0959 – Oldies music; legal ID at 1002: ". . . the all new Cannonball 101 . . . KNBL Idaho Falls and KEII Blackfoot" followed by an Elton John song. Fair, competing with KTRC and KPOW. A needed call change here; ex: KEIR. (JW-CO) [Editors note: the '101' refers to their translators K266AF and K266BY]
- 1260 KSGF MO Springfield – 10/4 0649 – Poor, with 'Clark Howard Show', "104.1 KSGF". Alone. (JJR-WI)
- 1300 KPMO CA Mendocino – 9/13 0859 – Ad for State Farm Insurance agent Brian McGruder on Lake Blvd. in Redding, into BBC News. Relog, but rare here and listed 77 Watts nights, no PSRA. (TRH-CA)
- 1300 WLXG KY Lexington – 9/26 2100 – Fair-to-poor, with Reds/Royals game. Quickly faded. Eliminated the 1300 station in Marshall, Missouri as was not the Royals' announcers. Checked the Reds website and WLXG is their only station on 1300. New! (JEL-MO)
- 1310 KNPT OR Newport – 9/13 0859 – Fighting through local XEC's OC (which appeared to be slightly off frequency, creating a very low het) with ID "News talk 13-10 KNPT Newport" into ABC news. Occasionally fighting with an Asian language station (presumably KMKY) and a Spanish station (perhaps XETIA). Relog, but quite rare. (TRH-CA)
- 1340 KVGC CA Jackson – 9/13 0859 – On top of channel with ID "Hometown radio for Amador and Calaveras Counties is KVGC Jackson-San Andreas-Sutter Creek, the voice of the gold country." Seemed to be followed by ABC news. Relog, but only heard once before on my very first Perseus recording five years ago. (TRH-CA)
- 1340 KPYV CA Oroville – 9/13 0859 – Under KVGC with Spanish Catholic programming, "Radio Católica Mundial" jingle. Relog. (TRH-CA)
- 1360 WMOB AL Mobile – 10/3 0658 – Fair, with SRN News, live ID for 'WMOB, WTOF' into Christian music. No WTAQ. (JJR-WI)
- 1360 WMOB AL Mobile – 10/4 0641 – Poor, with promos for WMOB with Christian videos on their website. No WTAQ. (JJR-WI) [Two days in a row! They must be cheating on their 0800 ELT September 9 kW day authorization with the main lobe pointed due North! – Ed.]
- 1370 KSUM MN Fairmont – 10/3 1516 – Weak-to-fair, with ad for First Farmers and Merchants Bank of Fairmont, then election ad for Minnesota State Representative Bob Gunther. All alone on the channel; surprised to not hear anything from KAWL. (RD-IA)
- 1380 KTKZ CA Sacramento – 9/29 0900 – Area ads; basic legal ID at ToH: "This is AM 1380 The Answer, KTKZ Sacramento" and into news from TownHall.com; more NoCal ads followed at 0902 after the news. Fair, with regular KOTA absent. (JW-CO)
- 1390 KZGD OR Salem – 9/22 0000 – Under KLTX with regional Mexican music, "la gran D, la mas Mexicana" exactly as heard on web stream. New, OR #36, station #1444. (TRH-CA)
- 1400 KBJM SD Lemmon – 10/05 0725 – Faded up with local news, weather and ID as "Classic Hits KBJM Radio" into Oldies/Classic Hits music. (SMA-MB)
- 1410 CJWI QC Montreal – 10/4 0640 – Poor, with FF, instead of more common WIZM. Faded after five minutes. (JJR-WI)
- 1450 KNSI MN St. Cloud – 10/01 0750 – Faded up with clear "99.3 FM 1450 AM KNSI" ID. (SMA-MB)
- 1490 KXRA MN Alexandria – 10/02 0758 – Faded up with local funeral announcements for Evansville. (SMA-MB)
- 1510 KCKK CO Littleton – 9/27 0750 – Very good signals, on top of everyone else, with Oldies music. ID given as "93.7 The Rock". They totally dominated the frequency for 15 minutes. Not new, but best signal of the morning. (SMA-MB)
- 1570 WLKD WI Minocqua – 9/30 0730 – Fair signals with light rock music and ID as "The Lake AM 1570". Not heard very often here due to KAKK being dominant. (SMA-MB)



UNID

- 580 UNID – 10/3 0738 – Poor, with SS by two women over anything. Music, then lost. Not in earlier. (JJR-WI) [Only SS on 580 in the AM Log is KSAZ-AZ. But that doesn't rule out KJMJ-LA (REL) who could have been cheating Mister Sun-up – Ed.]
- 830 UNID - 10/3 0710 – Poor-Fair, with SS, easily giving WCCO problems. Gone in minutes. (JJR-WI) [My guess . . . WFNO-LA pushing the button on their daytime transmitter an hour early. And that day pattern DOES push quite a bit of power your way (unashamed plug for new Pattern Book, hi – Ed.)]

Domestic DX Digest – East

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

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

All times are Eastern Local Time (ELT)

REPORTERS

- HJH-PA** Harry Hayes, Wilkes-Barre – Grundig S350, C Crane Skywave, ALA 1530 loop in attic, Kiwi Pocket Loop
- TLK-FL** Terry Krueger, Clearwater – NRD-535, IC-R75, roof dipole, active loop
- KK-VA** Kraig Krist, Manassas – Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop
- HPR-NY** Harrison Pierce Reed III, Gloversville – RCA Victor 8B41
- RJS-OH** Bob Schroeder, Cincinnati – Yaesu FT-991A with random wire and MFJ 956 tuner; CCrane Skywave barefoot or with 2-foot box loop or 5.5 inch FSL.
- PS-ON** Paul Snider, Thorold – Elad FDM-S2, Pixel Pro 1B loop, MFJ-1020C tuner
- JW-PA** Jim Weber, Oyster Point – Grundig S350
- MKB-ON** Mike Brooker, Toronto – Grundig YB-400PE, Sony SRF-39FP, C Crane CC Skywave, Panasonic RF-2200

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UNID

- 860 unIDs** -- – 9/30 0642 – Someone up briefly with "Little Rock" by Reba McEntire. Highly suspect it's KKOW, Pittsburg, KS at 1000/5000. Then at 0654, someone else briefly up with "Heaven Is A Place On Earth" by Belinda Carlisle. Suspect that may be KONO, San Antonio, TX at 5000/900. Both pointing NW, within a very tight and only partial WGUL, Dunedin (a local) nulled. (TLK-FL)

PIRATE/BOOTLEG

- 1710 ----** LA **Baton Rouge** – 9/21 0637 – Radio Reten lo que Tienes. Thanks David Crawford for discovering that this one has reactivated after being shut down by the FCC (AM and FM) a few months ago. As David noted, the signal is much weaker. Only traces of Spanish Christian soft vocals and Spanish male preacher audible, and pointing NNW. Presuming from the same location. Noted again 9/28 0710 with Spanish male preacher. (TLK-FL)

LOGGINGS

- 600 WICC CT** **Bridgeport** – 9/13 1633 – Caught one "WICC 600" ID under awful WROW-590 splatter. (HPR-NY)
- 620 WWNR WV** **Beckley** – 9/28 0500 – "WWNR" ToH ID with mention of 101.1 FM. (JW-PA)
- 680 WCBM MD** **Baltimore** – 9/23 2221 – "680 WCBM and wcbm.com" ID in nearly hopeless jumble into disclaimer: "The views of this program aren't necessarily those of WCBM, its staff and management – but they should be." (HPR-NY)
- 690 KGGF KS** **Coffeyville** – 10/1 0715 – Excellent signal with ad for David's Tree Service & More in St. Paul, KS, ID, Farm Law Bill talk. (TLK-FL)
- 790 WPIC PA** **Sharon** – 9/28 1935 – Over in-state rival WAEB with Sharon Tigers v. Conneaut Area high school football. (MKB-ON)
- 810 WMGC TN** **Murfreesboro** – 10/2 2238 – On day power this evening it seems. Mixture of Mexican style and more modern dance style Spanish language music, ads (for a Restaurante Mexicano, Auto Zone etc), promo for some sort of club (many mentions of DJs), "...El Jefe" slogan at 2251. Fair at times to very poor, mostly under WGY. // to Tune In stream. (PS-ON)
- 910 WFDF MI** **Farmington Hills** – 10/3 1910 – Over all comers with promo for University of Detroit-Mercy basketball, "910 Superstation" promos, including "follow us on Twitter @910Superstation." (MKB-ON)
- 920 KARN AR** **Little Rock** – 9/24 0707 – CBS Sports morning show. Some WDMC Melbourne co-channel. (TLK-FL)

910AM
Superstation

- KYST TX Texas City** – 9/26 0720 – Presumed with Spanish male reading a string of commercials with US format phone numbers, quickly faded. This one has been heard here also tentatively a couple times before. NRC AM Log lists slogan as "La Nueve Viente" and Talk/Religious, but website <http://la920.com/> shows as Talk with "La 920 AM (Para Mi Gente)" as the current slogan. **(TLK-FL)**
- 940 WGRP PA Greenville** – 9/22 0618 – Over usual CFNV with ad for Visionworks, other local ads, "93.7 and 940 AM WGRP and Sunny 1470" into Miley Cyrus "Party in the USA." **(MKB-ON)**
- 960 WFIR VA Roanoke** – 10/1 2046 – Dave Ramsey promoting Zander.com, ad for Boll & Branch. Clear ID at 2049 and back to Dave Ramsey show. Promo for "...all of your Washington Redskins football..." at 2118. **(RJS-OH)**
- 980 WCAP MA Lowell** – 9/23 2305 – After several oldies without a break, including "Mellow Yellow" by Donovan, "Pretty Woman" by Roy Orbison and "Suite Judy Blue Eyes" by CSN, "980 WCAP" ID by a young-sounding female announcer, who gave station phone number and asked for song requests "if anyone can hear me." She sounded like someone who had never done radio before. **(HPR-NY)**
- 1010 WPCN WI Stevens Point** – 10/4 2036 – Oldies format with Jim Croce, Beatles, *et al.* In mix but mostly under CFRB and WINS. No ID heard but // to webcast. **(RJS-OH)**
- 1060 WQMV TN Waverly** – 10/4 2116 – Oldies format with Statler Brothers' "Whatever Happened to Randolph Scott?" Heard under KYW and confirmed // to live stream. **(RJS-OH)**
- 1070 WPLB NY Plattsburgh** – 9/1 1836 – Over WTIC-1080 slop with "Memphis" by Lonnie Mack, followed by Champlain Valley weather into "Honey Love" by the Drifters, then "Don't Hang Up" by the Orlons, ID as "you're listening to the Champlain Valley's newest radio station and already legendary Mid-Century Radio WPLB" into more 1950s oldies. **(HPR-NY)**
- 1150 WAVO SC Rock Hill** – 9/23 2248 – Nostalgic/Music of Your Life tunes, ID at 2251 "...1150 WAVO," more music. Fair to poor with CKOC slightly nulled. **(PS-ON)**
- 1160 WVNJ NJ Oakland** – 9/27 0402 – Rising above "the Beach" WOBN with numerous "WVNJ" call letter IDs and programming announcements from this time through 0405. **(JW-PA)**
- 1200 WXKS MA Newton** – 9/13 1720 – Sean Hannity show at near-local strength, at 1724 urgent traffic report to avoid Methuen, Andover and Lawrence because of a huge natural gas explosion, ID as "Boston's new home for conservative talk, AM 1200 WXKS, Newton-Boston." **(HPR-NY)**
- WSML NC Graham** – 10/3 2300 – Caught part of what sounded like a multi-station ToH ID clearly including "...WSML..." Fox Sports Radio mentions/promos. Poor in station mix including WKST, WOAI and CFGO. **(PS-ON)**
- 1260 WMCH TN Church Hill** – 9/22 0109 – Religious talk, "WMCH Church Hill, Tennessee" ID at 0111, more talk then lost. Poor momentarily then lost to station mix including WRIE, WPHB (presumed), and the still unidentified urban gospel station (maybe WSDZ) and UNID Spanish station I've been listening to for over an hour. **(PS-ON)**
- 1290 WJCV NC Jacksonville** – 9/22 2120 – North Carolina State v. Marshall football on Wolfpack Sports Network. Ad for Modern Exterminating of Jacksonville. Weak to fair. **(HJH-PA)**
- 1330 WHAZ NY Troy** – 9/13 1619 – Through local WENT-1340 slop, Jay Sekulow Live show promoting his latest book, then a petition to confirm Judge Kavanaugh, more pro-Trump right-wing talk, ad for Cohoes House of Pizza at 127 Remsen Street in Cohoes and ID at 1629: "You're listening to the Alive Radio Network, WHAZ Troy." **(HPR-NY)**
- WYPC OH Wellston** – 9/23 2214 – Heard mention of 105.3 in the station mix and a few seconds later a clear "WYPC" ID by female announcer then lost. Very poor in station mix with WBGW the only other station IDed. **(PS-ON)**
- 1360 WWOW OH Conneaut** – 9/23 2044 – Ending song "I'm In You" by Peter Frampton then into a song by Bob Dylan. Weak to very strong, steady signal. "1360-WOW" ID. **(HJH-PA)**
- 1380 WSYB VT Rutland** – 9/13 1606 – Presumed on weak groundwave with Ad Council PSA for child booster seats, then back to Sean Hannity show. Soon became unintelligible in multi-station mix of SS, C&W, oldies and others. **(HPR-NY)**
- 1390 WRIV NY Riverhead** – 9/15 1927 – Noted after WNIO faded out with "Sara Smile" by Hall & Oates and clear "1390 WRIV" ID. **(HPR-NY)**

- WNIO OH **Youngstown** – 9/15 1919 – “The Sports Animal 1390” slogan and promos for Ohio State University sports radio network. **(HPR-NY)**
- 1400 WDNY NY **Dansville** – 9/23 0725 – Over graveyard jumble with "your favorite artists, your favorite music, Hometown Radio WDNY" into Pina Colada song by Rupert Holmes. **(MKB-ON)**
- 1410 WRJD NC **Durham** – 9/21 0700 – In multi-station mix with SS talk and singing. Mentions of Durham. Apparent format flip from Spanish sports to Spanish Christian. **(KK-VA)**
- WPCO SC **Clinton** – 9/21 0529 – In multi-station mix (WSCW, CJWI, WHLN, WRJD, UNID religious talk and other talk) with "You're listening to the best of beach, boogie, blues and beyond on the... network" station promo. **(KK-VA)**
- WSCW WV **South Charleston** – 9/21 0700 – In multi-station mix with ToH ID: "AM 14-10 WSCW in South Charleston." **(KK-VA)**
- 1430 WKEX VA **Blacksburg** – 9/21 0633 – In multi-station mix (WDIC, WNAV, UNID Spanish, other singing and sports talk) with ID as "The Pick 101.3...105.3 WKEX." **(KK-VA)**
- WDIC VA **Clinchco** – 9/25 2055 – Station promo mentioning “Come on in and sit a spell, but don’t forget to wipe your feet.” Real Country jingle and call ID. Fair, steady. WNSW nulled. **(HJH-PA)**
- 1440 WHKZ OH **Warren** – 9/16 2118 – Under powerful local WFNY (transmitter less than mile from my home) with discussion on Psalm 111. ID at 2200 through the WFNY ID: “Your home for teaching and encouragement, WHK...,” then “When God Happens...AM 12-20 the Word” slogan under Fox news on WFNY. **(HPR-NY)**
- WJBS SC **Holly Hill** – 9/21 0612 – In multi-station mix with Gospel singing, "...PO Box 10...Hollywood Florida 31519. Fax 803 496 2526...in the area...studios of 14-40 AM...This is 14-40 AM." Searching for 803 496-2526 and WJBS comes up. New station for me. **(KK-VA)**
- WHIS WV **Bluefield** – 9/21 0659 – In multi-station mix (WJBS, WHKZ, WKLV, WAJR and other talk) with ToH ID: "News talk AM 14-40 WHIS Bluefield. Online at whistalkradio.com. A service of Alpha Media. Live and local radio." **(KK-VA)**
- 1450 WHKP NC **Hendersonville** – 9/29 0705 – In multi-station mix with C&W songs, male "WHKP AM 14-50" ID into song. New station for me. **(KK-VA)**
- WWHK SC **Myrtle Beach** – 9/29 0626 – In multi-station mix (WHKP, UNID ESPN, oldies and talk stations) with "...country...105 point 5 'Hank FM'" slogan. First time heard since call sign change from WRNN. **(KK-VA)**
- 1470 WMMW CT **Meriden** – 9/29 0618 – In multi-station mix (WJDY, WBTX, UNID oldies and Spanish stations) with male "...WDRC PO Box 151 Hartford..." station promo into WDRC jingle. **(KK-VA)**
- 1480 WDJO OH **Cincinnati** – 9/12 2350 – Atop frequency with Jackie Wilson’s “Lonely Teardrops,” slogan “Cincinnati’s Oldies WDJO” into Four Seasons’ “Candy Girl,” during which the station slowly faded into oblivion and did not resurface. **(HPR-NY)**
- 1490 WCVA VA **Culpeper** – 9/29 0735 – In mix with WNTJ, WSGB and other talk, "Classic hits 105.5 and 95.3 'Sam FM'" slogan. Is WCVA C&W or oldies? I'm hearing both. Also, searching online I see both listed for WCVA. **(KK-VA)**
- WSGB WV **Sutton** – 9/29 0653 – In WNTJ/WCVA mix with "The hits are spinning here. West Virginia's classic hits radio WSGB and WVAR" station promo. **(KK-VA)**
- 1570 WECU NC **Winterville** – 9/29 2331 – Lots of ESPN promos and mentions, College Game Day show, ads including one for a hurricane damaged radio station, nice clear ID "All sports, all the time. You are listening to WECU 1570," back to Game Day. Fair at times to very poor with WGBX, WLRS and UNID oldies station. **(PS-ON)**



Unreported Domestic Stations

Two stations were reported to DDXD this issue for the first time since at least Volume 67 (1999-2000): WHAZ-1330 and WJBS-1440. The total number of currently licensed stations in the United States and Canada that haven't been reported to DDXD in that timeframe therefore drops to 371. The full list was last printed in issue 85-19. Can you log and report one next issue?

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

International DX Digest

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

All times are Universal Coordinated Time (UTC)

TRANS-ATLANTIC DX

- 171 **MOROCCO** *R.Mediterranee Internationale*, Nador SEP 6 0300 – Pop vocal (Cyndi Lauper or similar) past top of hour, a few words by woman, then another U.S. female pop vocal; fair. [Connelly-MA]
- 183 **GERMANY** *Europe 1*, Felsberg SEP 6 0200 – Excited French talk by man, two sets of three chimes in music fanfare, Europe Un ID in talk by man and woman; good.{A} [Connelly-MA]
- 189 **ICELAND** *Ríkisútvarpid*, Gufuskálar SEP 6 0200 – Country style song, electronic sounder, woman in Icelandic; to fair peak. [Connelly-MA]
- 198 **UNITED KINGDOM** *BBC Radio 4*, Droitwich et al. SEP 6 0200 – 5+1 pips, BBC World Service mention of program about human trafficking, news about Trump calling the NY Times a "phony media outlet"; to good peak. [Connelly-MA]
- 234 **LUXEMBOURG** *RTL Junglinster* SEP 6 0159 – Man and woman in French; fair. [Connelly-MA]
- 531 **ALGERIA** *Jil FM*, F'kirina Wilaya d'Oum El Bouaghi SEP 15 2300 – Dance-club song with "radio" and "stereo" mentions in audio-processed male vocal, 2+2+1 pips, fragments of songs, man with *Jil FM* ID; fair.{A} [Connelly-MA] SEP 23 0458 – Good; choral marching band national anthem parallel 549 kHz. [Conti-NH] SEP 25 0000 – Arabic phone interview; fair. [Connelly-MA] SEP 28 2246 – Fair; canned *Jil FM* ID by man and woman into Arabic pop vocal. 10 dB stronger than adjacent 530 CIAO, while parallel 549 signal was buried by 550 WDEV still operating on day parameters. [Conti-NH]
- 549 **ALGERIA** *Jil FM*, Sidi Hamadouche SEP 22 0458 – Good; choral marching band national anthem, *Jil FM* ID and time signal into news/talk, parallel weak 531 kHz. [Conti-NH] SEP 24 2301 – Man with *Jil FM* ID, Arabic music parallel 531; to good peak. [Connelly-MA] SEP 28 0458 – Fair; anthem parallel 531 kHz. [Conti-NH]
- 567 **SPAIN** *RNE5 Murcia* SEP 25 0000 – RNE news intro; poor. [Connelly-MA]
- 576 **CANARY ISLANDS//SPAIN** *RNE Las Palmas//Barcelona* SEP 21 0000 – RNE news intro; to fair peak. SEP 24 2300 – RNE fanfare, news; poor. [Connelly-MA]
- 585 **SPAIN** *RNE1 Madrid* SEP 25 0000 – Fanfare music, *R.Nacional de España* ID; fair through WEZE slop. [Connelly-MA]
- 595 **MOROCCO** *SNRT Oujda* SEP 28 2230 – Steady s3 signal observed. Morocco also observed on 936 kHz; s4 signal with barely readable music. Receiver sunset 2233 UTC. [Conti-NH]
- 612 **MOROCCO** *SNRT Sebaa-Aioun* SEP 25 0000 – Man in Arabic at low audio level on good carrier. [Connelly-MA]
- 639 **SPAIN** *RNE1 La Coruña* et al. SEP 21 0000 – Spanish news; through CBN slop. [Connelly-MA] OCT 5 0100 – Poor; servicios informativos parallel 585 kHz. [Conti-NH]
- 684 **SPAIN** *RNE1 Sevilla* OCT 2 0600 – Good; time marker, "Las ocho, las siete Canarias," and intro, "España las ocho en las mañanas de Radio Nacional, Iñigo Alfonso." [Conti-NH]
- 684 unID SEP 23 0400 – Weak het against 684.07 Spain, measured 684.0015 kHz. [Conti-NH]
- 693 **UNITED KINGDOM** *BBC Radio 5*, Droitwich et al. SEP 10 0001 – Five Live news; poor. [Connelly-MA] OCT 5 0500 – Fair with synchro echo; 6 o'clock time check, canned ID into Five Live Breakfast. [Conti-NH]
- 702 **ALGERIA** *Chaîne 1*, Laghouat SEP 20 2359 – Tentative. Arabic talk; poor. [Connelly-MA]
- 729 **SPAIN** *RNE1* synchros SEP 21 0000 – RNE news intro; CKAC slop. [Connelly-MA]
- 738 **SPAIN** *RNE1 Barcelona* SEP 27 2300 – Fair; marker and Spain/Canaries time checks into servicios informativos, parallel 585, 684, 747, 774, and 855 kHz. [Conti-NH]
- 774 **EGYPT** *ERTU Abis* SEP 27 2300 – Weak het against Spain; measured 774.170 kHz. [Conti-NH]
- 774 **SPAIN** *RNE1* synchros SEP 21 0000 – RNE news intro; to fair peak, no Egypt growl. [Connelly-MA]
- 783 **SYRIA** *Syrian Radio/R.Damascus*, Tartus SEP 23 0300 – Poor; Koran. Measured 782.999 kHz which suggests Syria, while Mauritania is apparently still off the air. OCT 2 0201 –

- Fair; orchestral Koranic vocal, brief announcement and multiple cycles of guitar interval signal. [Conti-NH]
- 837 **CANARY ISLANDS//SPAIN** COPE synchros SEP 24 2300 – Spanish news; fair. [Connelly-MA]
- 855 **SPAIN** RNE1 Murcia et al. SEP 6 0300 – Irish song "A Mother's Love", 5+1 pips, RNE news intro; to good peak. SEP 25 0000 – RNE news with "servicios informativos" mention; fair, echoey. [Connelly-MA] OCT 4 2300 – Good with synchro echo; servicios informativos parallel 585 kHz. [Conti-NH]
- 864 **EGYPT** ERTU Santah SEP 6 0101 – Koran; loud. SEP 24 2300 – 4+1 pips (last higher pitch), serious sounding talk by man in Arabic, into Koranic vocal; good.{A} [Connelly-MA]
- 882 **UNITED KINGDOM** BBC R.Wales, Washford et al. SEP 23 0400 – Poor to fair; announcement by woman, canned "BBC Radio Wales" into light music. [Conti-NH]
- 909 **UNITED KINGDOM** BBC Radio 5 synchros SEP 20 2300 – ID, "This is BBC Five Live"; good.{A} SEP 25 0000 – "This is BBC Five Live"; to good peak over WABK slop. [Connelly-MA]
- 936 **MOROCCO** SNRT Agadir SEP 20 2301 – Arabic vocal with orchestra, reverberated Arabic talk by man; to good peak. At 2359, Arabic talk by man; dominant.{A} [Connelly-MA] SEP 28 2300 – Fair; Berber gasba/taghanimt flute music through the hour. [Conti-NH]
- 954 **SPAIN** Onda Cero, Madrid SEP 21 0001 – Man and woman in Spanish; to good peak. SEP 24 2300 – Two men with news in Spanish; fair. [Connelly-MA]
- 999 **SPAIN** COPE Madrid SEP 9 2330 – Spanish teletalk; to good peak over IBOC. SEP 23 2300 – Spanish news; fair over IBOC hash. [Connelly-MA]
- 1017 **SPAIN** RNE5 Burgos//Granada SEP 24 2300 – 5+1 pips, RNE news; fair. [Connelly-MA]
- 1026 **SPAIN** SER synchros SEP 21 0001 – Woman in Spanish parallel stronger 1044 kHz. [Connelly-MA]
- 1044 **SPAIN** SER San Sebastián//Valladolid SEP 6 0200 – Spanish news by woman; fair. [Connelly-MA]
- 1053 **ROMANIA** R.Iasi, Iasi SEP 30 0359 – Poor; trumpet fanfare followed by four note sounder. OCT 2 0358 – Fair; four note sounder, ads/announcements in Romanian followed by another sounder. [Conti-NH]
- 1053 **UNITED KINGDOM** TalkSport synchros SEP 9 2330 – Talk parallel 1089; through slop. SEP 24 2301 – Advert by woman for holiday tours; poor. [Connelly-MA]
- 1062 **ITALY** Rai Radiouno synchros SEP 22 0358 – Poor; pre sign-on clock tones. [Conti-NH]
- 1071 unID SEP 23 0200 – Fair; Koran through the hour. Measured offset frequency 1071.007 kHz so probably Iran. [Conti-NH]
- 1089 **UNITED KINGDOM** TalkSport synchros SEP 4 0000 – Interview, echoey. SEP 20 2302 – Advert for Selco Builders Warehouse, slogan "Selco, where the trade go", visit website at 'selcobw.com'; good. [Connelly-MA] SEP 22 0300 – Good with synchro echo; telephone talk continued through the hour about Alice in Wonderland, "There's a plaque on the wall, Alice in Wonderland... it tells the whole story about Alice in Wonderland," but didn't hear enough of the conversation to understand the context. [Conti-NH] SEP 24 2302 – ID "On digital radio and 1089 and 1053 AM, Talk Sport"; good.{A} [Connelly-MA]
- 1098 **SPAIN** RNE5 synchros SEP 10 0000 – News parallel stronger 1107 kHz. [Connelly-MA]
- 1107 **SPAIN** RNE5 synchros SEP 10 0000 – RNE intro; a bit echoey/choppy. [Connelly-MA]
- 1134 **SPAIN** COPE synchros SEP 23 2259 – Two men in Spanish; fair during break in WBBR slop. [Connelly-MA]
- 1152 **ROMANIA** R.România Actualitati, Cluj SEP 29 0159 – Fair; choral national anthem parallel 1179 kHz. SEP 30 0400 – Fair; "Aici Buchuresti, Radio România Actualitati, hora exacta." OCT 2 0300 – Fair; hora exacta ID. [Conti-NH]
- 1152 **SPAIN** RNE5 synchros OCT 4 2300 – Fair with synchro echo; servicios informativos parallel 585 kHz. [Conti-NH]
- 1179 **ROMANIA** R.România Actualitati, Galbeni-Bacau et al. SEP 29 0159 – Fair; choral national anthem parallel 1152 and 1332 kHz. [Conti-NH]
- 1215 **UNITED KINGDOM** Absolute Radio synchros SEP 6 0200 – Aerosmith "I Don't Want to Miss a Thing"; fair. [Connelly-MA] SEP 22 0300 – Fair; canned ID, "On digital radio, online, and on the Absolute Radio app, 1215 AM..." OCT 2 2325 – Good; "All I Wanna Do Is Have Some Fun" by Sheryl Crow. [Conti-NH]
- 1332 **ROMANIA** R.România Actualitati, Galati SEP 29 0159 – Poor; choral national anthem parallel 1179 kHz. [Conti-NH]
- 1386 **LITHUANIA** R.Liberty, Viesintos SEP 10 0100 – Radio Svoboda ID; through WEGP slop. [Connelly-MA] SEP 28 0300 – Fair; melodic interval signal. OCT 4 2300 – Good; slogged Radio Svoboda ID's to news. [Conti-NH]

- 1422 **ALGERIA** *R.Algérienne*, Algiers SEP 10 0100 – 5+1 pips (last higher pitch), a couple of words by man, Koranic vocal; fair. [Connelly-MA]
- 1467.37 **IRAN** *IRIB R.Qom*, Qom SEP 23 0200 – Loud het against unID 1467 which had a solid s7 signal but no readable audio. [Conti-NH]
- 1503 **EGYPT** *ERTU El Arish* SEP 23 0200 – Good; Koran parallel 864 kHz. SEP 28 2350 – Fair; Koran parallel 864 kHz. [Conti-NH]
- 1512 **SAUDI ARABIA** *SBC R.Quran*, Jeddah SEP 29 0158 – Fair; Koran. Carrier signed off early at 0201 UTC. OCT 2 0301 – Carrier signed off as scheduled. [Conti-NH]
- 1530 **SAO TOME E PRINCIPE** *VOA Pinheira* SEP 9 0259 – Yankee Doodle sign-on theme; mixed with WCKY football. [Connelly-MA]
- 1548 **KUWAIT** *R.Sawa*, Kuwait City SEP 23 0202 – Poor; pop music, canned Sawa ID. [Conti-NH]
- 1575 **ITALY** *Rai Radiouno*, Genova SEP 22 0358 – Fair; pre sign-on clock tones, Rai sounder on the hour. SEP 28 0358 – Fair; pre sign-on tones. [Conti-NH]
- 1635.84 unID SEP 28 2300 – Observed signal before becoming buried by 1640 WSJP. Suspect *Bluebird* or one of many other active Dutch pirates that operate in the vicinity of 1635 kHz. [Conti-NH]

Transatlantic carrier search: SEP 22 0602-0616 – 531, 558, 585, 612, 621, 648, 729, 774, 783, 837, 855(2), 882, 918, 936, 1017, 1026, 1044, 1098(2), 1107, 1125, 1134, 1215, 1224 kHz. SEP 23 0610 – 855, 882, 936, 999, 1044, 1098, 1107, 1125; at 0618, 612 and 648; at 0638 still 882 kHz. SEP 24 0638 – 936, 837(2); at 0643, 882 and 846 (presumed TP Kiritimati). SEP 25 0552-0600 – On R75 by 9-kHz steps 1 kHz below the channels in USB, so I can detect telltale 1 kHz tones; 558, 585, 621, 639, 684 (vs WSCR IBOC), 729, 747, 774(2), 846 (TP?), 855(2), 882, 954, 936, 999, 1017, 1044(2), 1098, 1107, 1125(2), 1134, 1215, 1269, 1305, 1314, 1413 kHz. Then from 0600, repeating the scan on LSB, steps 1 kHz above the channels, which might audiblize some different ones within 1 or 2 kHz of 10-kHz channels; 549, 612, 639, 684, 774(2), 837, 846, 855, 882, 936, 1026, 1044, 1107, 1125, 1152, 1215, 1305 kHz. OCT 2 0133-0138 – 531, 549, 585, 621, 774(2), 837, 882, 909, 936, 954, 999, 1017, 1044, 1089, 1098, 1107, 1125 (2, one of them minus, Belgium?), 1134(2), 1215 kHz. 936 the strongest, presumed Agadir, Morocco. (2) = some have at least two carriers beating. [Hauser-OK]

PAN-AMERICAN DX

- 550 **HONDURAS** *ABC Radio*, Tegucigalpa SEP 24 1112 – Announcements by man and "ABC Radio" ID. Frequent (three ascending notes) doorbell signal. Fair signal. [Beu-TX]
- 580 **PUERTO RICO** *WKAQ* San Juan SEP 10 0100 – WKAQ cinco ochenta ID's; loud. [Connelly-MA]
- 590 **CUBA** *R.Rebelde*, Guantánamo-Berene SEP 10 0100 – Stevie Wonder "I Just Called to Say I Love You" parallel 600; over VOXM and jumble, WEZE off air. [Connelly-MA]
- 600 **PUERTO RICO** *WYEL* Mayagüez SEP 9 2329 – WKAQ net ID parallel loud 580; dominant. [Connelly-MA]
- 610 **BRAZIL** *ZYL268 R.Itatiaia*, Belo Horizonte SEP 6 0100 – Man with Portuguese sports shouting; mixed with WGIR. [Connelly-MA]
- 610 **CUBA** *R.Rebelde*, Bueycito//Cienfuegos-Malecón//Guane SEP 10 0100 – Stevie Wonder song parallel 600; mixed with Brazil, domestics. [Connelly-MA]
- 630 **VENEZUELA** *YVKA, RNV*, Caracas SEP 24 2359 – Man and woman in Spanish with several Venezolana mentions; mixed with WPRO.{A} [Connelly-MA]
- 670 **VENEZUELA** *YVLL R.Rumbos*, Caracas SEP 5 0000 – Doorbells, NotiRumbos and *R.Rumbos* ID's; dominant. SEP 25 0000 – Folk style vocal, *R.Rumbos* ID's; slightly over Rebelde Cuba.{A} [Connelly-MA]
- 720 **NICARAGUA** *R.Católica*, Managua SEP 25 0411 – Woman in religious talk. Peaking to good signal. Signed off at 0430 as usual. [Beu-TX]
- 730 **MEXICO** *XEX, W Deportes*, México, DF OCT 4 1038 – "Monkberry Moon Delight" by Paul & Linda McCartney, slogan ID, into "Mrs. Robinson" Simon & Garfunkel. [Krueger-FL]
- 750 **VENEZUELA** *YVKS, RCR*, Caracas SEP 6 0300 – Talk "RCR presenta"; fair. SEP 25 0000 – RCR sietecientos cincuenta AM ID's; good.{A} [Connelly-MA]
- 760 **BRAZIL** *ZYH588 R.Uirapuru*, Fortaleza SEP 5 0000 – A Voz do Brasil mention, intro music, Uirapuru AM Fortaleza ID; fair over others. [Connelly-MA]
- 890 **CUBA** *R.Progreso*, Chambas SEP 25 0105 – Fair to poor signals under WLS; parallel 4765 kHz shortwave with Latin music. First time heard from Winnipeg and the first new foreign DX this year. Hopefully more to come. [Axelrod-MB]
- 940 **PUERTO RICO** *WIPR* San Juan SEP 21 0000 – Talk show with mentions of Mayagüez, Fajardo, other Puerto Rican cities; way over CFNV. [Connelly-MA]



- 1010 **COLOMBIA** HJOP *Sistema Cardenal*, Barranquilla SEP 6 0201 – "En Barranquilla" mention in Spanish talk; mixed with WINS.{A} [Connelly-MA]
- 1050 **MEXICO** XEG *La Ranchera de Monterrey*, Monterrey, NL SEP 21 1101 – National anthem in progress; ID at 1102 with usual data including address in Avenida Cuauhtémoc and "La Ranchera de Monterrey" slogan. Fair signal, mixing with KTBL. [Wilkins-CO]
- 1070 **COLOMBIA** HJCG *R.Santa Fe*, Bogotá SEP 6 0300 – *R.Santa Fe* ID's; dominant over IBOC hash. [Connelly-MA]
- 1300 **MEXICO** XEP *Fiesta Mexicana*, Cd. Juarez, Chih. SEP 23 1203 – XE anthem, then ID including call letters, power (40 kW), address in Avenida Vicente Guerrero, and "Fiesta Mexicana" slogan; ranchera music followed. Fair, mixing with others. [Wilkins-CO]
- 1370 **MEXICO** XEHG *Vida 1370*, Mexicali, BC SEP 15 1232 – "Vida Trece Setenta" slogan, followed by Gilbert O'Sullivan's "Alone Again". Poor copy, mixing with one or two other Spanish stations from U.S. and/or Mexico. [Wilkins-CO]

TRANS-PACIFIC DX

- 846 **KIRIBATI** *R.Kiribati*, London, Christmas Island SEP 22 0622 – Presumed; JBA carrier. During my initial bandscan at 0606, did not hear it but a bunch of Europeans. [Hauser-OK]
- 1548 **AUSTRALIA** 4QD Emerald SEP 30 0900 – Weak het against 1550.002 CBEF and unID classic rock. Het still present at 1000 UTC against CBEF and *R.Rebelde*. Measured 4QD at 1548.009 kHz as listed. From Tim Tromp via the NRC Facebook group, "4QD was in this morning with brief bits of audio on signal peaks. This one propagates much differently than the other Aussies I've heard and favors my north DKaz vs. the southwest BOG's that I typically use for lower band DU's." [Conti-NH]

Transpacific carrier search: OCT 2 1158-1202 – 774, 837(2), 1035, 1098, 1548 kHz. Again at 1204-1209; 594(2), 612, 702, 747, 828, 882(2), 1017 kHz. Also something on about 1367.904 which I suspect is from a local device. OCT 5 1221-1240 – On the DX-398, the lower ones are definitely northwest, like Japan, but above 900 they are generally difficult to get a DF null, as if they are coming both from FE and DU; 594, 666, 747, 774, 828, 837, 873, 882(2), 891, 936, 972, 1026, 1035, 1044, 1053(2), 1098, 1116(2), 1134, 1143, 1197, 1206, 1224, 1242, 1287, 1296+, 1314, 1323, 1332, 1404, 1476, 1494, 1503, 1512, 1521, 1548, 1566, 1593, 1611 kHz. 747 and 774 were strongest at outset; and when finishing at 1240 I recheck 774 and find it still audible, but much weakened. LSR 1230 UTC. [Hauser-OK]

CONTRIBUTORS

- Shawn M. Axelrod VE4DX1SMA/VEPC4SWL, Winnipeg MB; ICOM ICR70, Drake R8, 3-ft unamplified box loop, Quantum QX Loop v2.0, 155-ft U shaped outdoor wire, 100-ft indoor wire run around the basement walls, MFJ 1026 phasing unit.
- Mike Beu KD5DSQ, Austin TX; Drake R8B, terminated Delta antenna (17-ft apex and 28-ft base) northeast, Mini-Flag Antenna (7 x 15-ft) southeast.
- Mark Connelly WA1ION, South Yarmouth MA; Microtelecom Perseus, cardioid pattern SuperLoop 9m vertical by 20m horizontal (peak 84°, null 264°), {A} in entry indicates audio can be accessed at www.qsl.net/wa1ion/doc1/audio_2018.htm.
- Bruce Conti WPC1CAT, Nashua NH; WiNRADiO Excalibur, variable termination Super/Ewe antennas 15 x 23-m at 60° northeast and 180° south.
- Glenn Hauser, Enid OK; NRD-545 with ALA-330S or north/south not very long wire, DX-398 or PL-880 with internal antenna only, sometimes IC-R75 with ~100-ft east/west longwire.
- Terry L. Krueger, Clearwater FL; IC-R75, NRD-535, longwires, active loop.
- John Wilkins, Wheat Ridge CO; Drake R8, 4-foot box loop.

INTERNATIONAL NEWS

SPAIN: RNE Regional/Local schedule as of OCT 1 – R5 0525-0530 Local, R1-R5 0545-0600 Regional, R5 0715-0730 Local/Regional (each region decides), R5 1025-1030 Regional, R1-R5 1110-1200 Regional, R1-R5 1745-1800 Regional, Sat/Sun R5 0705-0715 Regional and R1-R5 1130-1200 Regional. One hour later in winter time. [Mauricio Molano, *mwdx*]

PERU RADIO NOTES

By Karl Forth. DX received on Sangean ATS-909 in Haunchaco, Cajamarca, and Chota, Peru while traveling with DX'ers Don Moore and John Fisher. (Henrik Klemetz input from listening to Don's SDR recordings, and his past listening and research.)

- 540 *R.Santiago*, Guayaquil MAY 13 0140 – Good signal. [Heard in Huanchaco]



- 540 *R.Lider de Puno* MAY 20 0300 – ID and time check, Andean music. Not listed in radio database. (1150 in Puno listed.) [Cajamarca] Maybe *R.Inca del Perú* (10 kW) as listed in 2018 WRTH. [Conti]
- 570 unID MAY 23 0433 – ID sounded like Radio Narino. Huamachuco, Lambayeque, Ica stations listed on 570 kHz. [Chota]
- 580 *R.Maria*, Lima MAY 16 0317. [Huanchaco]
- 600 unID MAY 23 0330 – La Voz de Ponama(?) rustic vocals, female ID. [Chota]
- 600 unID MAY 13 0144 – Local station, not ID'ed. *Radio Ondas de Paz* Trujillo listed. [Huanchaco]
- 610 *R.Santa Monica*, Chota MAY 23 – Heard with religious programming. *Asociación Religiosa Cultural Santa Monica* listed in database. [Chota]
- 650 unID MAY 22 2330 – Religious programs, not ID'ed, *Radio Benedición Cristiana* active. [Chota]
- 700 unID MAY 19 – Religious station, local or strong signal from Cajamarca. [Cajamarca]
- 710 *R.Turbo*, Cajamarca MAY 20 0200 – *Grupo Turbo Mix* listed in gov't database. [Cajamarca]
- 730 *R.Maria*, Cajamarca MAY 20 0145. [Cajamarca]
- 740 *R.Ilucan*, Cutervo MAY 22 2247. [Chota]
- 750 *R.Caravana*, Guayaquil MAY 23 0001. [Chota]
- 780 *R.Coremarca*, Bambamarca MAY 23 0200 – Bambamarca news items, time pips then off 0200 UTC. [Chota]
- 790 *Radio RPP*, Trujillo MAY 14 0247 – Strong with sports. [Huanchaco]
- 800 unID, Cajamarca MAY 19 – Religious station, not ID'ed. *Cadena de Radio Visión* listed in gov't database. [Cajamarca]
- 810 *Caracol Radio*, Bogotá, Colombia MAY 23 0302. [Chota] Also MAY 16 0000. [Huanchaco]
- 820 *Continente Radio*, Cajamarca MAY 19 0210 – Good; local music. [Cajamarca]
- 870 unID MAY 23 0400 – Guayaquil heard, no station ID. *Radio Cristal* is online. [Chota]
- 880 *R.Sintonia*, Trujillo MAY 14 – Local station. [Huanchaco]
- 930 *R.Moderna*, Lima MAY 14 0125 – Very strong. [Huanchaco] Henrik Klemetz reported that slogan here is *Moderna Radio Papa*.
- 950 *R.Santa Rosa* MAY 20 0310 – Fair signal, Peralta Barboza Elvis listed in Hualgayoc. [Cajamarca]
- 970 *R.Lider*, Cajamarca MAY 20 2230 – News and ID 2230. Listed as *Compania de Radio & Television Lider*, Cajamarca. [Cajamarca]
- 980 *Andina Radio*, Chota MAY 22-23 – Unlit tower seen about a mile southeast of our listening post, very loud uncontrolled, splashy signal. Off the air 0300 one night, heard anthem 0257 then off shortly after the next night. [Chota]
- 990 *R.Latina*, Lima – MAY 23 0415. [Chota]
- 1010 *R.Cajamarca*, Cajamarca MAY 20 0230 – Local music, cutoff and ID 0233 sign-off. [Cajamarca] *R.San Francisco* in Cajamarca listed in database.
- 1010 *R.Cielo*, Lima MAY 23 0314. [Chota]
- 1020 *R.Bambamarca*, Bambamarca MAY 23 – Per listing, semi-local. [Chota]
- 1070 *R.Vida*, Chiclayo MAY 19 0245 – Heard ID, Chiclayo listed. [Cajamarca]
- 1080 *R.Sistema 2*, Guayaquil MAY 14 0226 – Good signal but not ID'ed. *R.Sistema 2* is listed. [Huanchaco] Klemetz reported Sistema 2 is widely heard in northern Peru.
- 1100 unID MAY 19 0325 – Distant signal in Portuguese, mention of Brazilian cities. Likely *R.Globo*, São Paulo, Brazil. A weak signal on 860 also heard. [Cajamarca]
- 1120 *R.Paz* MAY 23 2145 – Contemporary, digital, auto-tuned music, no ID. [Chota]
- 1170 unID MAY 19 0315 – Religious program in Spanish, not ID'ed, *R.Layzon* in Cajamarca listed. [Cajamarca] Klemetz reported that La Voz de la Liberacons program could be carried here by *R.Jerusalen*.
- 1200 *La Voz de Cumbe*, Cajamarca MAY 19 0300 – Heard sign-off, *Frecuencia Podagogia* listed in database. [Cajamarca]
- 1280 *R.Moderna*, Cajamarca MAY 20 2230 – ID heard. [Cajamarca]
- 1290 unID MAY 23 0400 – News program, ID, Trujillo? *R.Portales?* Local Chota also on 1290 kHz. [Chota] Klemetz reported this is probably RPP in Tumbes.
- 1290 *R.Estelar*, Chota MAY 23 2259 – Upbeat music, ID, Digitel S.A.C. listed as owner. [Chota]
- 1300 *R.Comas*, Comas MAY 16 0127 – ID heard, Lima listed. [Huanchaco]
- 1310 *R.Chota*, Chota MAY 23 2305 – Good signal, local announcements, after visiting station. Radio Chota S.C.R.L. listed as owner. [Chota]
- 1340 *R.Shalom*, Cajamarca MAY 19 – La Voz de Dios mention heard. *R.Shalom* listed in database. [Cajamarca]

- 1350 unID MAY 13 0300 – In Portuguese with Brazilian sports. [Huanchaco] Porto Velho from Brazil was heard on Don Moore's antenna and reported by Klemetz.
- 1380 *R.Campesina*, Cajamarca MAY 19 2300 – "Radio 1380" ID heard, good music, having transmitter trouble, cutting in and out, *R.Altahualpa* listed. [Cajamarca] Klemetz reported that this is *R.Campesina* in Cajamarca.
- 1400 *R.Agricultura* MAY 19 0255 – Cortez Morales Francisco listed in database. [Cajamarca]
- 1420 *R.Positiva*, Bambamarca MAY 23 2300 – Local ads. [Chota]
- 1420 unID MAY 19 – Radio Nor Peruana heard, Heredia Barbosa Juan Fernando listed. [Cajamarca]
- 1450 *R.Libertad*, Bambamarca MAY 23 1215 – News and sounders from Bambamarca. [Chota]
- 1470 *R.Capital*, Lima MAY 14 0300 – ID heard. [Huanchaco]
- 1500 *R.Comercial*, Trujillo MAY 16 – Heard religious stations, Radio Bonenciar(?) or similar, did not hear listed *Radio JCL* ID. [Huanchaco] Klemetz reported that this is *R.Comercial* in Trujillo.
- 1500 *R.Santa Rosa*, Lima MAY 13 0155 – Andean music. [Huanchaco]
- 1540 *R.Mundial*, Trujillo MAY 16 – ID, religious program. [Huanchaco]

ROCKWORK 2015

Chuck Hutton

At long last, here is a write-up of the Rockworks 2015 highlights. Receiver: Perseus. Antenna: 18 x 18 corner fed loop. I spent a bit of time listening to the channels that end on 0 such as 630, 720 and 1260 and found a few new ones. Other bright spots were 999 *Access Manawa* and 1503 *Kool N Deadly*. The 2014 Rockworks total for New Zealand was re-analyzed and inched up to 90 stations. Fifteen more were heard in 2015, so 105 is the running total.

- 558 **AUSTRALIA** 6WA Wagin, West Australia AUG 7 1325 – Poor; music parallel ABC 612, 774 and 855 kHz.
- 567 **AUSTRALIA** 4JK Julia Creek AUG 7 1300 – Poor+. Mixing with NZ.
- 576 **NEW ZEALAND** *Star*, Hamilton AUG 7 1330 – Poor; parallel 909 *Star*, no sign of ABC.
- 585 **AUSTRALIA** 7RN *National Radio* AUG 7 1320 – Parallel 792 kHz.
- 603 **AUSTRALIA** 4CH Charleville AUG 7 1314 – Poor; music parallel 585 and 792 kHz.
- 630 **NEW ZEALAND** RNZ AUG 6 1300 – On top of the channel with ID, no sign of the usual Australian. New.
- 639 **AUSTRALIA** 4MS/5CK AUG 7 1250 – Fair; man parallel 891 kHz.
- 639 **NEW ZEALAND** RNZ Alexandria AUG 7 1312 – Poor+; music parallel 675 RNZ.
- 639 **AUSTRALIA** 2HC Coffs Harbor AUG 7 1130 – Poor; ID mentioning FM 103.5.
- 648 **AUSTRALIA** 2NU Tamworth AUG 7 1313 – Parallel 855 kHz.
- 675 **NEW ZEALAND** RNZ Christchurch AUG 7 1316 – At almost good level.
- 684 **NEW ZEALAND** Gisborne *R.Rhema* AUG 7 1250 – Better than fair.
- 684 **AUSTRALIA** 2KP Kempsey AUG 7 1314 – Poor but parallel 801 and 855 kHz.
- 693 **NEW ZEALAND** *R.Sport*, Dunedin AUG 7 1251 – Man parallel 792 *Sport*. New.
- 711 **NEW ZEALAND** *TAB Trackside Radio*, Wellington AUG 7 1312 – Poor; horse race talk. New.
- 720 **AUSTRALIA** 4AT/2ML AUG 7 1251 – Poor; woman singing parallel 630. Yes, 630 was the best ABC for a parallel.
- 720 **NEW ZEALAND** RNZ Invercargill AUG 7 1313 – Poor; song by woman, parallel 675 kHz. New.
- 729 **NEW ZEALAND** *Burn* 729, Ranfurly AUG 7 1315 – Poor-fair; pop music, not parallel *Sport* or RNZ or ABC. New.
- 729 **NEW ZEALAND** RNZ Tokoroa AUG 7 1258 – Poor; music parallel 675 RNZ.
- 747 **AUSTRALIA** 4QS Toowoomba AUG 7 1307 – Poor; man talking parallel 774 kHz.
- 756 unID AUG 7 1238 – Maybe *Puketapu Radio*; poor with music under RNZ. Wasn't parallel ABC so ought to be *Puketapu*.
- 774 **NEW ZEALAND** *R.Sport*, New Plymouth AUG 7 1305 – Fair; American accented sports talk (Fox).
- 783 **NEW ZEALAND** *Access Radio*, Wellington AUG 7 1317 – Better than fair.
- 792 **NEW ZEALAND** *Sport*, Hamilton AUG 7 1242 – Usually better than ABC and almost fair with American accented talk.
- 801 **NEW ZEALAND** *Rhema*, Nelson AUG 7 1306 – Poor; music parallel 584 kHz.
- 801 **AUSTRALIA** 4QY Cairns AUG 7 1314 – Poor; ABC parallel 684 and 855 kHz.
- 810 **AUSTRALIA** 2BA Bega AUG 7 1251 – Poor; singing parallel 630 kHz.
- 810 **NEW ZEALAND** RNZ Dunedin AUG 7 1315 – Poor under KGO; parallel 819 RNZ. New.

- 828 **NEW ZEALAND** *TAB Trackside Radio*, Palmerston North AUG 7 1313-1314 – Better than fair; horse race talk.
- 837 **NEW ZEALAND** Kaitaia/Whangarei AUG 6 1318 – Poor; talk parallel 675 RNZ.
- 846 **AUSTRALIA** 2RN Canberra, National AUG 6 1311 – Poor; woman singing parallel 576 and 621 kHz.
- 855 **NEW ZEALAND** *Rhema*, Hamilton AUG 7 1250 – Poor; music parallel 684 *Rhema*.
- 864 **NEW ZEALAND** *Newstalk ZB*, Invercargill AUG 7 1254 – Poor; parallel 1044 kHz.
- 864 **AUSTRALIA** 4GR Toowoomba AUG 7 1321 – Van Morrison, and 1324 poor 4GR ID.
- 873 **NEW ZEALAND** *Newstalk ZB*, Ashburton AUG 7 1310 – Poor; parallel ZB net. New.
- 882 **NEW ZEALAND** *Star*, Auckland AUG 7 1320 – Almost fair; music parallel 909 kHz.
- 900 **NEW ZEALAND** *Star*, Dunedin AUG 7 1253 – Almost even with Maui (the dominant). At 1257 on top owning the channel from 7000 miles away!
- 918 **NEW ZEALAND** RNZ New Plymouth/Timaru AUG 7 1240 – Poor; parallel 675 RNZ.
- 927 **NEW ZEALAND** *Newstalk ZB*, Palmerston North AUG 7 1250 – Poor; parallel ZB net.
- 936 **NEW ZEALAND** *Chinese Voice*, Waiuku AUG 7 1321 – Poor; semi-disco music then Mandarin.
- 936 **AUSTRALIA** 4PB Brisbane – Assumed the one with poor+ mention of Fox News Washington correspondent.
- 954 **NEW ZEALAND** *TAB Trackside*, Hamilton AUG 7 1310 – Poor; man parallel 828 kHz.
- 963 **NEW ZEALAND** *Star*, Christchurch AUG 7 1313 – Fair; Star News ID and even better at 1320 with music.
- 981 **NEW ZEALAND** *Star*, Timaru AUG 7 1257 – Fair; parallel 909 kHz.
- 999 **NEW ZEALAND** *Access Manawa*, Palmerston North AUG 7 1304 – Poor; news by man, parallel 1575 kHz. Then mentions this is BBC WS. New.
- 1008 **NEW ZEALAND** *Newstalk ZB*, Tauranga AUG 7 1306 – Better than fair parallel ZB net, a surprise as it normally is not as strong as 1035, 1044 etc.
- 1008 **AUSTRALIA** 4TAB Brisbane AUG 7 1249 – Fair; horse talk.
- 1017 **AUSTRALIA** 2KY *Racing Radio* AUG 7 1239 – Not quite fair with horse race.
- 1017 **NEW ZEALAND** *Newstalk ZB*, Christchurch AUG 7 1307 – Better than fair; parallel ZB net.
- 1026 **NEW ZEALAND** Kaitaia/Whangarei AUG 7 1304 – Not quite fair with echoed program parallel 1035 kHz.
- 1044 **NEW ZEALAND** *Newstalk ZB*, Dunedin AUG 7 1244 – Almost fair.
- 1053 **NEW ZEALAND** *Newstalk ZB*, New Plymouth AUG 7 1304 – Fair; parallel ZB net.
- 1062 **AUSTRALIA** 5MV Renmark AUG 7 1243 – Assumed the one with ABC audio parallel 891 with the half hour offset.
- 1062 **NEW ZEALAND** *Sport*, Wanganui AUG 7 1248 – Poor; man parallel 792 and 1125 kHz.
- 1071 **NEW ZEALAND** *Tab Trackside*, Ashburton AUG 7 1248 – Poor; man talking parallel 828 kHz. 1312 fair with bit of horse race.
- 1080 **NEW ZEALAND** *Newstalk ZB*, Auckland AUG 7 1311 – Poor under Portland. New.
- 1080 **AUSTRALIA** *TAB Radio*, Hobart AUG 7 1311 – Poor; man parallel TAB 1008 and 1017 kHz.
- 1089 **NEW ZEALAND** *Sport*, Palmerston North AUG 7 1311 – Almost fair; American accented man parallel 792 kHz.
- 1098 **NEW ZEALAND** *Newstalk ZB*, Christchurch AUG 7 1245 – Fair.
- 1116 **NEW ZEALAND** RNZ Nelson AUG 7 1243-1258 – Poor; parallel 675 kHz.
- 1125 **NEW ZEALAND** *Sport*, Napier-Hastings AUG 7 1305 – Almost fair; American accented sports talk.
- 1134 **NEW ZEALAND** RNZ Queenstown AUG 7 1308 – Woman parallel RNZ net. New.
- 1152 **NEW ZEALAND** *Newstalk ZB*, Timaru AUG 7 1256 – Poor; man talking parallel ZB net.
- 1161 **AUSTRALIA** *Radio TAB*, Maryborough AUG 6 1239 – Poor; talk about horse races.
- 1179 **NEW ZEALAND** *R.Ake*, Auckland AUG 7 1305 – Almost fair with R&B.
- 1206 **NEW ZEALAND** *TAB Trackside*, Dunedin AUG 7 1300 – Not quite fair; man parallel 828 kHz.
- 1206 **AUSTRALIA** unID AUG 7 1313:30 – Poor+; music and 3AUD ID, who?
- 1215 **NEW ZEALAND** Kaikohe AUG 7 1243 – Poor; parallel ZB net.
- 1224 **NEW ZEALAND** *TAB Trackside*, Invercargill AUG 7 1239-1240 – Poor; horse talk.
- 1242 **NEW ZEALAND** *TAB Trackside*, Timaru AUG 7 1247 – Very poor; parallel 1206 and 1224 kHz.
- 1251 **NEW ZEALAND** *Rhema*, Auckland AUG 7 1300 – Fair with song parallel 684 kHz.
- 1260 **NEW ZEALAND** *TAB Trackside*, Christchurch AUG 7 1307 – Poor; man talking parallel 828 kHz. New.

- 1278 **NEW ZEALAND** *Newstalk ZB, Napier-Hastings* AUG 7 1245 – Poor; mixing with unID's pop music.
- 1287 **NEW ZEALAND** *Newstalk ZB, Greymouth* AUG 7 1243 – Poor; man talking parallel ZB net.
- 1296 **NEW ZEALAND** *Newstalk ZB, Hamilton* AUG 7 1243 – Poor; parallel ZB net.
- 1305 **NEW ZEALAND** *R.Dunedin* AUG 7 1248 – Must be the one with poor pop music. No other DU has a music format.
- 1314 **NEW ZEALAND** *Star, Invercargill* AUG 7 1244 – Poor; woman parallel 909 *Star*.
- 1314 **AUSTRALIA** *Racing Radio, Newcastle* AUG 7 1233-1235 – Poor; horse program.
- 1332 **NEW ZEALAND** *Sport, Auckland* AUG 7 1305 – Poor; American accented talk about the NFL.
- 1359 **NEW ZEALAND** *Coast, New Plymouth* AUG 7 1315 – Poor+; smooth music in *Coast* style.
- 1377 **AUSTRALIA** 3MP Melbourne AUG 7 1248 – Poor; Simon and Garfunkel song. Only Aussie listed and can't be *Sport* or *Star* from NZ.
- 1386 **NEW ZEALAND** *R.Tirana, Auckland* AUG 7 1240 – Fair; lively Indian music.
- 1395 **NEW ZEALAND** *Newstalk ZB, Oamaru* AUG 7 1246 – Fair; man talking parallel ZB net. New.
- 1404 **NEW ZEALAND** *Rhema, Invercargill* AUG 7 1243 – Poor; woman parallel 1251 kHz.
- 1413 **NEW ZEALAND** *Newstalk ZB, Tokoroa* AUG 7 1243 – Poor; parallel ZB net. New.
- 1422 **AUSTRALIA** 3KY *R.Hellas, Melbourne* AUG 7 1248 – Almost fair with men talking in what must be Greek.
- 1431 **NEW ZEALAND** *R.Kidnapers, Hanstings-Napier* AUG 7 1311-1318 – Instrumental music not parallel ABC nor Vision on 1611 so Kidnapers is the only choice left.
- 1431 **AUSTRALIA** 2RN *R.National, Wollongong* AUG 7 1247 – Poor; deep voiced man parallel 792 RN.
- 1449 **NEW ZEALAND** RNZ Palmerston North AUG 7 1245 – Poor; parallel 819 kHz.
- 1458 **NEW ZEALAND** RNZ Westport AUG 7 1245 – Poor; man parallel 1449 kHz.
- 1467 **AUSTRALIA** 3ML Mildura AUG 7 1246 – Poor; man in English can only be 3ML – it's the only DU on the channel.
- 1476 **AUSTRALIA** 5MB, ABC, Mt Gambier AUG 7 1247 – Poor; man talking. Same man as on 774 but not the same point in the conversation.
- 1476 **NEW ZEALAND** TAB *Trackside, Auckland* AUG 7 1248 – Poor with horse.
- 1485 **NEW ZEALAND** TAB *Trackside, Osborne* AUG 7 1248 – Only a few poor words but seems parallel 828 kHz.
- 1494 **NEW ZEALAND** *Star, Hamilton* AUG 7 1247 – Poor; song parallel 909 *Star*.
- 1494 **NEW ZEALAND** *Sport, Timaru* AUG 7 1248 – Poor; man talking parallel 1503 kHz.
- 1503 **AUSTRALIA** 3KND *Kool N Deadly Radio, Melbourne* AUG 7 1252 – Stevie Wonder song followed by poor+ but clear ID.
- 1512 **AUSTRALIA** 2RN *R.National, Newcastle* AUG 7 1247 – Poor; parallel 792 kHz.
- 1521 **AUSTRALIA** 2QN Deniliquin AUG 7 1246 – Poor; man and woman talking, ad with phone number, not parallel *Sport* so 2QN is the only possibility.
- 1539 **AUSTRALIA** *Radio TAB, Adelaide* AUG 7 1247 – Fair; horse results.
- 1557 **AUSTRALIA** 2RE Taree AUG 7 1251 – Poor+; Dancing In The Moonlight.
- 1566 **AUSTRALIA** 3NE Wangaratta AUG 7 1250 – Fair; string of local ads.
- 1575 **NEW ZEALAND** *Otago Access Radio, Dunedin* AUG 7 1242-1246 – British accented English so must be OAR.
- 1584 **NEW ZEALAND** *Coast, Napier-Hastings* AUG 7 1251 – The likely source of very poor pop music. The Australian stations are 200 watts or less.
- 1593 **NEW ZEALAND** *Coast, Christchurch* AUG 7 1252 – Poor; pop music, *Coast* is the only possibility.
- 1602 **AUSTRALIA** 2CP Cooma or 3WL Warrnambool (100 and 250 watts respectively) AUG 7 1250-1251 – Poor; man parallel 774 ABC.
- 1611 **AUSTRALIA** *R.Vision, many locations* AUG 7 1248 – Fair with sermon.
- 1629 **AUSTRALIA** *R.Vision, Bathurst/Duboo* AUG 7 – Poor; sermon parallel 1611 kHz.
- 1638 **AUSTRALIA** *R.Lebanon, Melbourne/Sydney* AUG 7 1247 – Better than fair; Mideast music.
- 1665 **AUSTRALIA** *R.Vision, Melbourne* AUG 7 1246 – Not quite fair; sermon parallel 1611 kHz.
- 1674 **AUSTRALIA** *R.Hanji, Melbourne* AUG 7 1247 – Fair; electronic dance music.
- 1683 **AUSTRALIA** *R.Club, Melbourne/Sydney* AUG 7 1250 – Fair; Greek music and 240 Hz het.
- 1701 **AUSTRALIA** AUG 7 1252 – Poor+; usual mix of the three stations: Brisvani, Arabic, and Voice of Charity.

Pro Sports Networks

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Here is National Football League (NFL) flagship information for the 2018 season via 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.

Due to NFL Restrictions, online streaming of games is prohibited by affiliates. You can listen and/or watch games online via NFL.com .

The announcer names are found at this URL:

http://en.wikipedia.org/wiki/List_of_current_NFL_broadcasters

That page seems to have been updated for the 2018 season, but the footnotes on that site point to web page retrievals in 2012.

I cannot include a network in this column if there is a "Do Not Reproduce" warning on the web page. This year more teams did not have their lists on the "team.nfl.com" web site, so I found them on other sites that did not have a "Do Not Reproduce" statement.

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 and then renamed to WestwoodOne Sports) will broadcast NFL games; this URL

<http://westwoodonesports.com/football-announcers/>

has the list of announcers. The URL

<http://westwoodonesports.com/stations/il/2018-nfl-on-westwood-one-sports/>

has a map where one can click on a state and find the stations in that state that carry the Westwood One broadcasts. I did make 50 clicks and copied the station lists (there is no DC link to click). Here are the announcer teams:

Monday night: Kevin Harlan, Kurt Warner, Jim Gray (studio host)

Sunday night: Kevin Kugler, Jason Taylor or Mike Mayock, Scott Graham

Thursday night: Ian Eagle, Tony Boswelli

Sideline reporters: Ed Werder, Hub Arkush, Laura Okmin, Ross Tucker, Scott Kaplan, Steve Tasker, Tony Boselli

As always, any of these network lists can change during the season.

As this column was sent before the issue deadline, David Yocis checked each call and frequency against the FCC database. Many of the online lists have "slogan" call letters, not the real call letters, and I do not have the time to check every station listing in every network list.

Please send me any additions and/or corrections. Thanks.

Arizona Cardinals	98.7 KMVP-AZ (EE)	Dave Pasch, Ron Wolfey, Paul Calvisi
	100.3 KQMR-AZ (SS)	Gabriel Trujillo, Rolando Cantu
	105.1 KHOV-AZ (SS)	
Atlanta Falcons	790 WQXI-GA	Wes Durham, Dave Archer, John Michael
	94.1 WSTR-GA	
Baltimore Ravens	1090 WBAL-MD	Gerry Sandusky, Brian Billick, Evan Washburn
	97.9 WIYY-MD	
Buffalo Bills	550 WGR-NY	*John Murphy, Mark Kelso
Carolina Panthers	1110 WBT-NC	*Mick Mixon, Jim Szoke, Eugene Robinson
	99.3 WBT-SC	
Chicago Bears	780 WBBM-IL (EE)	Jeff Joniak, Tom Thayer, Mark Grote
	105.9 WCFS-IL (EE)	
	1200 WRTO-IL (SS)	
Cincinnati Bengals	1530 WCKY-OH	Dan Hoard, Dave Lapham, Wayne "Box"
	102.7 WEBN-OH	Miller
	700 WLW-OH	a

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
	1270	KFLC-TX	(SS)	
Denver Broncos	850	KOA-CO	(EE)	*Dave Logan, Ed McCaffrey
Detroit Lions	760	WJR-MI		Dan Miller, Lomas Brown
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		
	101.1	KLOL-TX	(SS)	Enrique Vasquez, Gustavo Rangel
Indianapolis Colts	1070	WFNI-IN		Bob Lamey, Jim Songi, Matt Taylor
	93.5	WFNI-IN		
	97.1	WLHK-IN		
Jacksonville Jaguars	1010	WJXL-FL		Frank Frangie, Jeff Lageman, Tony Boselli,
	92.5	WJXL-FL		Brent Martineau
	99.9	WGNE-FL		
Kansas City Chiefs	101.1	KCFX-MO		Mitch Holthus, Kendall Gammon, Dani
				Welniak, Art Hains
Los Angeles Chargers	640	KFI-CA	(EE)	Matt "Monkey" Smith, Daniel Jeremiah,
				Shannon Farren
	980	KFWB-CA	(SS)	Mario Solis, Jorge Villanueva
Los Angeles Rams	710	KSPN-CA	(EE)	*JB Long, Maurice Jones-Drew, D'Marco Farr
	980	KFWB-CA	(SS)	Mario Solis, Troy Santiago
Miami Dolphins	560	WQAM-FL	(EE)	Jimmy Cefalo, Bob Griese, Joe Rose, Kim
	99.9	WKIS-FL	(EE)	Bokamper
	1210	WNMA-FL	(SS)	*Raul Striker, Jr., Stefano Fusaro
Minnesota Vikings	100.3	KFXN-MN		Paul Allen, Pete Bercich, Greg Coleman, Ben
				Leber
New England Patriots	98.5	WBZ-MA		Bob Socci, Scott Zolak
New Orleans Saints	870	WWL-LA	(EE)	Zach Strief, Deuce McAllister, Steve Geller
	105.3	WWL-LA		
	990	WGSO-LA	(SS)	
New York Giants	660	WFAN-NY	(EE)	*Paul Dottino, David Diehl, Roman Oben
	1280	WADO-NY	(SS)	Nestor Rosario, Francis Adames
New York Jets	98.7	WEPN-NY	(EE)	Bob Wischusen, Marty Lyons, Larry Hardesty
	1050	WEPN-NY	(SS)	Clemson Smith-Muñiz, Nelson Fernández
Oakland Raiders	740	KCBS-CA	(EE)	Brent Musberger, Lincoln Kennedy, Chris
	106.9	KFRC-CA	(EE)	s Townsend, Tim Cates
	95.7	KGMZ-CA	(EE)	s
	107.5	KLVE-CA	(SS)	
	1490	KZNB-CA	(SS)	
Philadelphia Eagles	94.1	WIP-PA	(EE)	Merrill Reese, Mike Quick
	1310	WEMG-NJ	(SS)	
Pittsburgh Steelers	970	WBGG-PA		Bill Hillgrove, Tunch Ilkin, Craig Wolfey
	102.5	WDVE-PA		
San Francisco 49ers	680	KNBR-CA	(EE)	Ted Robinson, Tim Ryan
	810	KGO-CA	(EE)	
	107.7	KSAN-CA	(EE)	
			(SS)	g Gabriel Sotelo, Jesus Zarate
Seattle Seahawks	710	KIRO-WA		*Steve Raible, Warren Moon
	97.3	KIRO-WA		
Tampa Bay Buccaneers	103.5	WFUS-FL	(EE)	*Gary Deckerhoff, Dave Moore, T.J. Rives
	620	WDAE-FL		
	96.1	WTMP-FL	(SS)	Martin Gramatica
Tennessee Titans	104.5	WGFX-TN		Mike Keith, Dave McGinnis, Rhett Bryan,
				Jonathan Hutton, Blaine Bishop, Mark
				Howard
Washington Redskins	980	WTEM-DC		Larry Michael, Sonny Jurgensen, Rick "Doc"
				Walker, Chris Cooley
	105.9	WMAL-DC		

Arizona Cardinals (EE) (2018) Dave Pasch, Ron Wolfey, Paul Calvisi<https://res.cloudinary.com/nflclubs/image/upload/cardinals/icnmdjagghoc1akbntor.pdf> (page 402) (9/24/2018)

560	KBLU-AZ	1130	KQNA-AZ	a	92.1	KZUA-AZ	99.9	K260BL-AZ	a	
600	KVNA-AZ	1230	KATO-AZ		94.3	KDDL-AZ	a	100.1	KGMN-AZ	
780	KAZM-AZ	A	1340	KIKO-AZ		95.3	K238CB-AZ	a	106.7	KNKI-AZ
980	KNTR-AZ	A	1450	KTZR-AZ		98.7	<u>KMVP-FM-AZ</u>			

Arizona Cardinals (SS) (2018) Gabriel Trujillo, Rolando Cantu<https://res.cloudinary.com/nflclubs/image/upload/cardinals/icnmdjagghoc1akbntor.pdf> (page 403) (9/24/2018)

100.3	KQMR-AZ	105.1	KHOV-FM-AZ						
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Atlanta Falcons (2018) Wes Durham, Dave Archer, John Michael<https://www.gotknowhow.com/articles/listen-to-atlanta-falcons-games-live-online-radio> (9/23/2018)

540	WDAK-GA	970	WVOP-GA		1420	WPEH-GA	101.1	WTGA-FM-GA		
550	WDUN-GA	1050	WBRG-VA	T	1450	WKEU-GA	U	101.9	WJFL-GA	
630	WNEG-GA	1150	WJEM-GA			WMVG-GA		102.9	WDUN-FM-GA	
720	WVCC-GA	1230	WBLJ-GA		1630	WRDW-GA		103.7	W279BC-GA	
790	<u>WQXI-GA</u>	1250	WSRA-GA					103.9	WYAB-MS	
	WSFN-GA	1270	WBOJ-GA		88.9	WKEU-FM-GA		104.3	W282AR-GA	
800	WJAT-GA	1310	WHEP-AL		92.1	WPEH-FM-GA		105.1	W286CX-VA	T
850	WPTB-GA	1350	WFNS-GA		94.1	<u>WSTR-GA</u>		105.5	WIFO-FM-GA	V
860	WDMG-GA	1370	WLOP-GA		95.7	WATG-GA			WCCP-FM-SC	
910	WTMZ-SC		WXCT-TN		96.1	W241BG-GA		106.3	WZNN-AL	
940	WMAC-GA	1400	WCOH-GA		98.1	WMGP-GA				
960	WRFC-GA		WSEG-GA							

Baltimore Ravens (2018) Gerry Sandusky, Brian Billick, Evan Washburn<https://www.baltimoreravens.com/game-day/coverage> (9/24/2018)

910	WSBA-PA	1290	WWTX-DE		92.7	WGMD-DE	101.1	WWDC-2-DC	
960	WTGM-MD	1430	WNAV-MD	M		W224AI-PA	102.3	W272CX-MD	
1050	WLYC-PA	1450	WTHU-MD		93.9	W230CQ-PA	104.7	W284CQ-DC	
1090	<u>WBAL-MD</u>	1470	WTTR-MD		97.9	<u>WIYY-MD</u>	106.3	WCEM-FM-MD	
1240	WCEM-MD	1490	WARK-MD		98.9	W255CP-MD	107.1	WCBC-FM-WV	

Buffalo Bills (2018) *John Murphy, Mark Kelso<https://www.buffalobills.com/news/radio-network-page> (8/17/2018)

550	<u>WGR-NY</u>	r	1330	WSPQ-NY		92.7	WQTK-NY	98.7	WYXL-NY
590	CJCL-ON		1370	WWCB-PA		93.3	WWSE-NY	100.1	WBRR-PA
900	CHML-ON		1380	WABH-NY		94.1	WOTT-NY	100.9	WKRL-FM-NY
950	WROC-NY		1400	WDNY-NY		94.9	W235DP-NY	101.9	WZKZ-NY
1120	WKAJ-NY		1410	WDOE-NY		95.7	WPIG-NY	106.5	WKRH-NY
1230	WMML-NY			WELM-NY		96.5	WCMF-FM-NY		
1240	WJTN-NY		1420	WACK-NY					

Carolina Panthers (2018) *Mick Mixon, Jim Szoke, Eugene Robinson<http://www.panthers.com/news/radio.html> (8/013/2018) JPG image

570	WWNC-NC	1340	WYNF-GA		94.3	WSCC-FM-SC	101.1	WROQ-SC	
580	WLVA-VA	i	WHAP-VA		97.3	W247AD-VA	102.3	WWMY-NC	
590	WCAB-NC	1390	WOHS-NC	L	98.5	W253BE-VA		WPTM-NC	
610	WPLY-VA	1400	WSIC-NC		99.3	WZAX-NC		WMFX-SC	
810	WPIN-VA	1410	WTIX-NC			<u>WBT-FM-SC</u>	102.7	WPUB-FM-SC	
920	WYMB-SC	1430	WKEX-VA		99.9	WCMC-FM-NC	103.3	WKVS-NC	
960	WRNS-NC	1450	WIZS-NC				103.7	WTIB-NC	
1010	WSPC-NC		WHKP-NC		100.1	WWFN-FM-SC	106.1	WFXH-FM-SC	
1050	WLON-NC	1590	WCSL-NC		100.3	WSEA-SC	106.3	WUDE-NC	
1110	<u>WBT-NC</u>				100.7	W264CU-NC	107.1	WTKF-NC	
1230	WNNC-NC	92.3	WKRR-NC		100.9	WIFM-FM-NC		WRHM-SC	
1240	WJNC-NC	93.7	WNTB-NC				107.3	WVSZ-SC	
1250	WKDX-NC	94.1	W231AD-VA				107.7	W299BZ-NC	
1280	WSAT-NC		W231CE-VA					WUKS-NC	



Chicago Bears (EE) (2018) Jeff Joniak, Tom Thayer, Mark Grote

<http://edition.pagesuite.com/html5/reader/production/default.aspx?pubname=&pubid=41c4d917-80fc-4f73-ae5c-d0dd83cef45e> page 457 (8/29/2018)

780	<u>WBBM-IL</u>	1450	WFMB-IL		KJOC-IA	101.9	WARU-FM-IN
1050	WDZ-IL	1600	WARU-IN	94.3	WZOC-IN	103.5	WXKT-IL
1060	WRHL-IL			95.5	WGLO-IL	105.9	<u>WCFS-FM-IL</u>
1150	KCPS-IA	92.7	WLSR-IL	96.7	WFML-IN		
1280	WBIG-IL		WVLI-IL	99.1	WYXY-IL		
1330	WNTA-IL	93.5	WKHY-IN	101.7	WIVR-IN		



Chicago Bears (SS) (2018)

1200	<u>WRTO</u>
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Cincinnati Bengals (2018) Dan Hoard, Dave Lapham, Wayne "Box" Miller

<https://www.bengals.com/news/bengals-2018-tv-and-radio-broadcast-teams-20716522> (8/29/2018)

600	WKYH-KY	1300	WMVO-OH	1530	<u>WCKY-OH</u>	99.3	W257EQ-OH
700	<u>WLW-OH</u>		WJYP-WV	1570	WPTW-OH	102.3	WCYN-FM-KY
790	WKRD-KY	1320	WLOH-OH			102.7	<u>WEBN-OH</u>
930	WRVC-WV	1340	WCMY-KY	92.1	WBVX-KY	104.5	W283BO-OH
970	WATH-OH		WMON-WV	92.7	WHIZ-FM-OH	104.7	WTUE-OH
990	WTIG-OH	1360	WMOV-WV	95.9	WKID-IN	105.7	WXZX-OH
1010	WIOI-OH	1480	WTLO-KY	96.7	WCSM-FM-OH	106.7	W294AF-WV
1150	WIMA-OH	1490	WMOA-OH		WBVI-OH		
1270	WQTT-OH		WMRN-OH				

Cleveland Browns (2018) Jim Donovan, Doug Dieken, Nathan Zegura

<https://www.clevelandbrowns.com/media/radio> (8/16/2018)

850	<u>WKNR-OH</u>	1480	WHBC-OH	92.3	<u>WKRK-FM-OH</u> O	98.5	<u>WNCX-OH</u>
1260	WRIE-PA	1540	WBTC-OH	94.1	WHBC-FM-OH	98.9	WTOH-OH
1430	WFOB-OH	1590	WAKR-OH	97.3	W247BL-OH	101.9	W270CI-OH
1440	WRGM-OH			97.5	WONE-FM-OH	104.7	WKKY-OH

Dallas Cowboys (EE) (2018) Brad Sham, Babe Laufenburg, Kristi Scales

<https://dfw.cbslocal.com/about/dallas-cowboys-radio-network/> (9/7/2018)

600	KROD-TX	1400	KWON-OK	95.7	KBST-FM-TX	100.7	KPXI-TX
670	KHGZ-AR		KREW-TX		KARX-TX	100.9	K265DV-TX
710	KEEL-LA		KKTK-TX	95.9	KCKL-TX	101.3	K267AI-TX
760	KTKR-TX z	1430	KTBZ-OK	96.1	KCTX-FM-TX	101.7	KQTM-NM
860	KPAN-TX	1440	KETX-TX	96.9	KQBZ-TX	101.9	KBUS-TX
900	KPIN-TX	1550	KCOM-TX	97.1	KVRP-FM-TX	102.1	KTRA-NM
910	KNAF-TX	1580	KGAF-TX	97.5	KGKL-FM-TX	103.9	KBEY-TX
920	KARN-AR	1660	KRZI-TX	97.7	KALK-TX		KMHT-FM-TXm
960	KGKL-TX	1700	KVNS-TX	98.1	KTLT-TX	104.3	KEJS-TX
1200	WOAI-TX z			98.3	KYYK-TX		KGAS-FM-TX
1240	KVSO-OK	88.1	KHOY-TX		KPTX-TX	104.7	KYYI-TX
	KVLF-TX m	92.3	KNFM-TX	98.5	KJTT-TX	104.9	KTXX-FM-TX z
1330	KTAE-TX	92.9	KTZA-NM	98.9	K255BH-AR	105.3	<u>KRLD-FM-TX</u> z
1340	KGHM-OK	93.1	KSTV-FM-TX	99.3	KAPW-TX	105.5	KQXX-FM-TX
1360	KKTX-TX	93.9	KBNU-TX	100.1	KYBI-TX	106.9	KRVF-TX
1390	KHOB-NM	95.5	K238BF-TX				

Dallas Cowboys (SS) (2018) Victor Villalba, Andres Arce, Luiz Perez "Cadena de Plata Radio"

<https://dfw.cbslocal.com/about/dallas-cowboys-radio-network/> (9/7/2018)

750	KAMA-TX	1310	KZIP-TX	92.1	KSYR-LA	104.7	KTXC-TX
1240	KXYL-TX	1450	KIKR-TX o	94.7	KGRW-TX	106.1	KPZE-FM-NM
1250	KZDC-TX o	1510	KBED-TX o	103.1	KVJM-TX	107.5	<u>KMVK-TX</u>
1260	KTAE-TX	1530	KGBT-TX	103.9	KRIA-TX o		
1270	<u>KFLC-TX</u>						

The NRC's New Internet Home: Don't forget the new NRC internet address has been updated to www.nationalradioclub.org. Lots of content here, and you can join or renew your membership, order publications online, and check out all the other features of the site. This doesn't replace www.e-dxn.com, which is still your source for the electronic version of *DX News* and other members-only content.

Denver Broncos (EE) (2018) *Dave Logan, Ed McCaffrey

<https://koanewsradio.iheart.com/featured/koa-denver-broncos/content/2018-06-05-broncos-radio-network-affiliate-stations/> (8/17/2018)

550	KRAI-CO	1340	KGKG-CO	1490	KPKE-CO	101.7	KSKE-FM-CO
600	KCOL-CO		KCQL-NM v		KNAM-CO v		KDJM-KS
610	KCSR-NE v		KKAM-TX		KGOS-WY	102.1	KSMT-CO
670	KMZQ-NV k		KYCN-WY v	1600	KIVA-NM	102.3	KSPK-FM-CO
730	KLOE-KS		KWOR-WY				KEDU-LP-NM
850	<u>KOA-CO</u>	1350	KCCY-CO	92.1	KFRZ-WY	102.5	KKCI-KS
930	KRKY-CO	1380	KOTA-SD	92.5	KCRT-FM-CO	103.1	KYDT-WY
	KOGA-NE	1400	KWUF-CO	93.5	KALQ-FM-CO	104.1	KBVC-CO
960	KNEB-NE		KLIN-NE	93.7	K229CL-NM		KNAB-FM-CO
	CFAC-AB	1410	KGSO-KS	93.9	K254BI-KS	104.3	KFZE-WY
1010	KSIR-CO		KOOQ-NE	94.1	K231AA-CO	104.5	KSTY-CO
1030	KTWO-WY		KWYO-WY		<u>K231BQ-CO</u>	105.7	KVAY-CO
1140	KNAB-CO	1440	KRDZ-CO	95.5	KEZF-WY		KPMX-CO
1240	KCRT-CO	1450	KBFS-SD	96.1	KSTR-FM-CO		KRMR-KS
	KFBC-WY		KBBS-WY	97.9	KTAG-WY		KRDR-OK
1260	KPOW-WY	1470	KYYW-TX	99.1	KMTS-CO	106.1	KNFO-CO v
1290	KOWB-WY		KDHN-TX		KWYW-WY		KXXL-WY
1300	KBRL-NE		KKTY-WY	99.3	KTGA-WY	107.3	KQZR-CO
1330	KOVE-WY			100.5	KRSJ-CO	107.9	KBPL-CO
							KZRS-KS

Detroit Lions (2018) Dan Miller, Lomas Brown

<http://www.wjr.com/lions/> (8/17/2018)

590	WJMS-MI	1400	WCCY-MI	94.1	WUPK-MI	99.3	W257CZ-MI
	WKZO-MI		WSJM-MI	94.9	W235CM-MI		WBET-MI
760	<u>WJR-MI</u>	1450	WHTC-MI	95.7	W239CJ-MI	100.3	WQON-MI
1050	WTKA-MI E	1460	WBRN-MI	96.7	WRGZ-MI	100.7	WWTH-MI
1240	WJIM-MI	1490	WTIQ-MI	97.7	WCHY-MI	101.1	WUPY-MI
1280	WFYC-MI				WMLQ-MI	101.9	W270CJ-MI
1310	WCCW-MI	92.1	WIDL-MI		WTGV-FM-MI	103.7	WCSY-FM-MI
1330	WTRX-MI		WCSR-FM-MI	98.1	WGFN-MI	104.7	WYKX-MI
1340	WCSR-MI	93.1	WIMK-MI	98.3	WLCS-MI	106.5	WTOD-OH
	WMBN-MI	93.3	WKQZ-MI	98.7	WGLI-MI	106.9	W295CL-MI
1370	WGHN-MI	93.7	WKAD-MI		WLDN-MI	107.3	WBBL-FM-MI E
1380	WPHM-MI	93.9	WNBY-FM-MI			107.7	W299BE-MI

Green Bay Packers (2018) Wayne Larrivee, Larry McCarren

<https://www.packers.com/video/radio-network> (8/17/2018)

550	WSAU-WI	92.3	WJMQ-WI	97.1	WGLQ-MI	101.5	WJNR-FM-MI
580	WKTY-WI		WRLS-FM-WI		WCOW-FM-WI		WIBA-FM-WI
620	<u>WTMJ-WI</u>	92.7	W224DE-WI	97.7	WGLR-FM-WI	102.3	WAUH-WI
710	WDSM-WI		WDUX-FM-WI	98.1	W251CD-WI		WHTL-FM-WI
940	WFAW-WI C	93.7	WCYE-WI	98.3	WCQM-WI	102.9	WBDL-WI
1230	WFXN-IL	94.3	WQPC-WI	99.1	KSOO-FM-SD	103.3	W277DV-WI
	WCLO-WI	94.9	WUPZ-MI	99.3	WKEB-WI		W277CV-WI
1240	WOMT-WI	95.1	WLST-WI	99.7	WIMI-MI	105.3	WRLO-FM-WI
1310	WIBA-WI		W236CO-WI	99.9	WJVL-WI	105.7	WCUP-MI
1330	WHBL-WI	95.3	WXRO-WI		WSAU-FM-WI		WAPL-WI
1550	WEVR-WI	96.1	WJMC-FM-WI	100.7	WBIZ-FM-WI	106.3	WEVR-FM-WI
		96.7	K244FM-WI	100.9	WRCO-FM-WI	107.1	WFON-WI
				101.1	WIXX-WI	107.3	WNXR-WI

Houston Texans (EE) (2018) Marc Vandermeer, Andre Ware, John Harris**Houston Texans (SS)** (2018) Enrique Vasquez, Gustavo Rangel

http://media.houstontexans.com/images/9057/2018_texans_media_guide.pdf Page 202 (8/16/2018)

DO NOT REPRODUCE.

NRC-AM Listserve: To be added to the [NRC-AM] Google Group listserv, moderated by Russ Edmunds, just e-mail Wayne Heinen at his new address amlog@nationalradioclub.org from the email that you wish to subscribe to the list with, and he'll get you added.

Indianapolis Colts (2018) Bob Lamey, Jim Songi, Matt Taylor

<https://res.cloudinary.com/nflclubs/image/upload/colts/pfraj81lf7i1ur9vzbj1.pdf> (page 638) (8/16/2018)

740	WVLN-IL	1480	WRSW-IN	95.9	WEFM-IN K	100.9	WZUS-IL
860	WMRI-IN	1490	WDAN-IL	96.1	WQLK-IN	102.9	W275AJ-IN
960	WSBT-IN	1510	WJOT-IN		W241SD-IN	103.3	WAXL-IN
1070	<u>WFNI-IN</u>			96.3	W242CK-IL	103.9	WIMC-IN
1090	WCRA-IL	92.1	WROI-IN	96.7	WORX-FM-IN	105.5	WZJK-IN
1140	WAWK-IN		WZDM-IN	97.1	<u>WLHK-IN</u>	105.7	WCJZ-IN
1190	WOWO-IN	92.7	WZBD-IN	97.9	WSLM-FM-IN K	105.9	WJOT-FM-IN
1320	WBRT-KY	93.5	WMXQ-IN	98.1	WIBN-IN	106.5	WWBL-IN
1340	WBIW-IN		W228CX-IN	98.5	WMYK-IN	106.7	WYFX-IN
	WXFN-IN	94.3	WREB-IN	98.7	WASK-FM-IN	107.3	WRZQ-FM-IN
1370	WGCL-IN K	94.5	WRZR-IN	99.5	W258CQ-IL	107.5	WABX-IN
1440	WPGW-IN	95.5	W238BH-IN	99.7	W259BJ-IN		W298BJ-IN
1450	WXVW-IN						

Jacksonville Jaguars (2018) Frank Frangie, Jeff Lageman, Tony Boselli, Brent Martineau

Via a personal response to e-mail – from the Jaguars' PR Office

580	WDBO-FL	92.5	<u>WJXL-FM-FL</u>	96.5	WDBO-FM-FL	106.3	WKBX-GA
1010	<u>WJXL-FL</u>	95.7	WHOG-FM-FL	99.9	<u>WGNE-FM-FL</u>	106.5	WMCD-GA
1230	WAYX-GA	96.3	W242BE-GA	105.5	WIFO-FM-GA V	107.7	WHFX-GA
1550	WNZF-FL						

Kansas City Chiefs (2018) Mitch Holthus, Kendall Gammon, Dani Welniak, Art Hains

<http://www.kcchiefsradio.com/affiliate-team/> (8/18/2018)

680	KFEQ-MO	1370	KIOL-KS	93.5	KLKC-FM-KS	100.3	KRDQ-KS
690	KGGF-KS	1380	KUVR-NE	93.7	K229CW-KS		KDVV-KS
780	WJAG-NE	1420	KJCK-KS	94.5	K233CF-KS		K262CQ-KS
790	KXXX-KS		KBTN-MO		KRXL-MO	100.9	KCLY-KS
860	KKOW-KS	1430	KKOZ-MO	94.9	K235CA-IA	101.1	K266AN-IA
870	KAAN-MO		KRGI-NE	95.1	KAMS-AR		<u>KCFX-MO</u>
910	KINA-KS	1450	KWBW-KS		KTKS-MO	101.7	KVOE-FM-KS
990	KRMO-MO		KYNT-SD	95.5	KAAN-FM-MO		KHST-MO
1130	KLEY-KS	1530	KMAM-MO	96.3	KZDY-KS	102.9	KMMO-FM-MO
1210	KGYN-OK	1540	KNGL-KS	96.7	KBBE-KS	103.3	K277CA-NE
1220	KJAN-IA		KLKC-KS	96.9	KKOW-FM-KS	103.9	KOMB-KS
	KGIR-MO	1550	KKLE-KS		KFIX-KS	104.3	KVGB-FM-KS
1230	KTNC-NE	1590	KYNG-AR		K245CK-NE	104.5	K283CK-IA
1240	KFMO-MO	1600	KMDO-KS	97.1	KYAL-FM-OK		KUMR-MO
	KFOR-NE	1700	KBGG-IA	97.3	KKJQ-KS	104.7	KKLH-MO
1280	KYRO-MO			97.5	KPAK-OK	104.9	KXEA-MO
1290	KMMM-KS	92.1	KKOZ-FM-MO	97.9	KICK-FM-MO	105.3	KINB-OK
	KOIL-NE		KMOE-MO	98.5	K253BP-KS	105.9	K290AT-NE
1300	KMMO-MO	92.3	KSDL-MO	98.7	KNSS-FM-KS	106.3	(KGYN)-KS
1330	KNSS-KS	92.7	KASR-AR q	99.1	KDWD-MO	106.9	KHYY-NE
1350	KMAN-KS		KSJQ-MO	99.9	KSKG-KS	107.1	K296HA-MO
	KRAP-MO	92.9	KLSC-MO		KIRK-MO		K296HK-NE
1360	KBKB-IA	93.3	K227CX-KS	100.1	KKWK-MO	107.3	KLPW-FM-MO Q
	KSCJ-IA				KBBM-MO		

Los Angeles Chargers (EE) (2018) Matt "Monkey" Smith, LaDainian Tomlinson

https://en.wikipedia.org/wiki/List_of_Los_Angeles_Chargers_broadcasters#Radio_affiliates (9/23/2018)

610	KAVL-CA W	1140	KNWQ-CA	94.3	K232CX-CA	103.7	K279CO-CA
640	<u>KFI-CA</u>	1250	KNWH-CA	101.3	KATY-FM-CA	104.7	K284CR-CA
910	KMPS-CA X	1340	KRLV-NV	101.5	KGB-FM-CA		
970	KNWZ-CA	1360	KLSD-CA Y				

Los Angeles Chargers 2018 (SS) Mario Solis, Jorge Villanueva

https://en.wikipedia.org/wiki/List_of_Los_Angeles_Chargers_broadcasters#Radio_affiliates (9/23/2018)

980	<u>KFWB-CA</u>	1370	XEHG-BCN	1420	XEXX-BCN	89.1	XHEPF-BCN
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I normally do not trust wikipedia for these lists, as footnotes there point to old lists. But this one reflects some current information.

Los Angeles Rams (EE) (2018) *J.B. Long, Maurice Jones-Drew, D'Marco Farr

<https://www.therams.com/news/rams-to-stream-preseason-games-burleson-schrager-join-cbs-s-preseason-broadcast> (9/7/2018)

590	KTIE-CA	970	KHTY-CA	99.5	K258CY-CA	105.1	KKBZ-CA
610	KAVL-CA W	1090	XEPRS-BCN	101.5	KIXF-CA	106.7	K294DA-CA
710	<u>KSPN-CA</u>	1240	KSMA-CA	103.9	K280CV-CA	107.3	KIXW-FM-CA
920	KBAD-NV	1490	KMET-CA				

Los Angeles Rams (SS) (2018) Mario Solis, Troy Santiago

<https://www.therams.com/news/rams-to-stream-preseason-games-burleson-schrager-join-cbs-s-preseason-broadcast> (9/7/2018)

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

Miami Dolphins (EE) (2018) Jimmy Cefalo, Bob Griese, Joe Rose, Kim Bokamper

<https://www.gotknowhow.com/articles/listen-to-miami-dolphins-games-live-online-radio> (9/25/2018)

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

Miami Dolphins (SS) (2018) *Raul Striker, Jr., Stefano Fusaro

<https://www.gotknowhow.com/articles/listen-to-miami-dolphins-games-live-online-radio> (9/25/2018)

760	WEFL-FL	1210	<u>WNMA-FL</u>				
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Minnesota Vikings (2018) Paul Allen, Pete Bercich, Greg Coleman, Ben Leber

<https://www.vikings.com/audio/radio-network> (9/25/2018)

<https://s18453.pcdn.co/wp-content/uploads/2018/07/2018-Media-Guide.pdf> pages 666-67 (8/18/2018)

550	KFYR-ND	1250	KBRF-MN	1600	KDAK-ND	100.9	WCMP-FM-MN
570	WNAX-SD	1260	KROX-MN			101.1	WHSM-FM-WI
620	KMNS-IA	1270	KFAN-MN	92.1	WWAX-MN	101.7	KRCH-MN
650	WNMT-MN	1310	KGLB-MN	92.5	KKWQ-MN	101.9	KRWK-ND
660	KEYZ-ND	1340	KDLM-MN	93.3	KBLB-MN	102.9	KBWS-FM-SD
730	KWOA-MN		KRBT-MN	94.1	KXLP-MN	104.1	KBOT-MN
740	KNFL-ND		KWLM-MN	94.3	KKIN-FM-MN		KSDM-MN
880	WMEQ-WI	1380	KLIZ-MN	95.7	KKOK-FM-MN	105.1	KARL-MN
930	KSDN-SD		KAGE-MN	96.1	KQPR-MN	105.7	KUKX-MN
1130	<u>KTLK-MN</u>	1390	KXSS-MN	96.9	KMFY-MN	105.9	KKWS-MN
1170	KOWZ-MN	1440	KKXL-ND	98.1	KBEW-FM-MN	106.3	KPHR-MN
1230	KFSP-MN	1450	KBUN-MN	98.3	KQYB-MN	106.9	KARP-FM-MN
	KTRF-MN		WELY-MN	99.1	WKFX-WI	107.3	KNUJ-FM-MN
	KWSN-SD	1460	KXNO-IA	100.3	<u>KFXN-FM-MN</u>		
1240	KICD-IA		KLTC-ND	100.7	KIKV-FM-MN		
	WJON-MN	1490	KJOQ-MN		KMLO-SD		
	KDLR-ND		KOVC-ND				

New England Patriots (2018) Bob Socci, Scott Zolak

<https://www.patriots.com/audio/game-broadcast-info> (8/21/2017)

DO NOT REPRODUCE.

New Orleans Saints (EE) (2018) Zach Strief, Deuce McAllister, Steve Geller**New Orleans Saints (SS)** (2018)

<https://www.neworleanssaints.com/news/broadcasting> (9/16/2018)

540	KMLB-LA	92.1	KLIL-LA	97.3	KMDL-LA	102.1	WALT-FM-MS
640	KTIB-LA	92.5	KVPI-FM-LA	98.1	WDGL-LA	105.3	<u>WWL-FM-LA</u> B
870	<u>WWL-LA</u> B	92.9	WBOX-FM-LA		WMXI-MS		WJDX-FM-MS
990	<u>WGSO-LA</u> S	94.1	KRLQ-LA		KTAL-FM-TX	105.5	WNSP-AL
1400	WFDN-FL	95.1	WQNZ-MS	98.3	WJDR-MS	106.9	WRBE-FM-MS
		95.3	KQKI-FM-LA	99.5	KNGT-LA	107.7	WAZA-MS
		96.9	KZMZ-LA	101.1	W266AL-FL		

**TWIN CITIES
NEWS
TALK
AM 1130**



New York Giants (EE) (2018) *Paul Dottino, David Diehl, Roman Oben

New York Giants (SS) (2018) Nestor Rosario, Francis Adames

<https://giantswire.usatoday.com/2018/08/09/new-york-giants-cleveland-browns-time-tv-radio-streaming-schedule/> (9/16/2018)

660	<u>WFAN-NY</u>	1240	WGVA-NY	1450	WENI-NY	99.1	WAAL-NY
1080	WTIC-CT 1	1280	<u>WADO-NY</u> S	1590	WAUB-NY	99.9	WIII-NY
1200	WTLA-NY	1310	WTLB-NY			100.1	W261AC-NY
1230	WENY-MY	1340	WIRY-NY	97.7	W249BC-NY	100.3	W262AD-NY
	WIXT-NY	1350	WRNY-NY	98.7	WGMM-NY	106.5	WPYX-NY
	WEEX-PA I	1440	WSGO-NY				

New York Jets (EE) (2018) Bob Wischusen, Marty Lyons, Larry Hardesty

New York Jets (SS) (2018) Clemson Smith-Muñiz (play-by-play), Nelson Fernández

<https://www.newyorkjets.com/news/where-to-watch-listen-follow-jets-dolphins> (9/16/2018)

1050	<u>WEPN-NY</u> S	98.7	<u>WEPN-FM-NY</u>	105.7	WCHR-FM-NJ	107.3	WNBL-NY
1280	WHTK-NY p	104.5	WTMM-FM-NY				

Oakland Raiders (EE) (2018) Brent Musberger, Lincoln Kennedy, Chris Trwnsend, Tim Cates

<https://www.raiders.com/multimedia/radio-network> (8/17/2018)

570	KLAC-CA t	1240	KRDO-CO	1660	KBRE-CA	102.7	KCYE-NV
630	KPLY-NV j	1250	KLLK-CA	1670	KQMS-CA	103.3	KTMQ-CA
720	KDWN-NV	1280	KXTK-CA			103.9	KDJK-CA
730	KEZX-OR	1350	KPWK-CA	92.7	KASR-AR q	104.1	KHKK-CA
740	<u>KCBS-CA</u>		KSRO-CA	93.5	KDEY-FM-CA	104.3	KHIP-CA
790	KFPT-CA	1360	KLSD-CA Y		KDAY-CA	105.3	KIOZ-CA
830	KHVH-HI	1400	KUKI-CA	93.7	KCLB-FM-CA	105.5	KRDO-FM-CO
1110	KAOI-HI	1440	KVON-CA	93.9	KFMF-CA	105.7	K289CB-CA
1140	KHTK-CA	1450	KHIT-NV	94.5	KUUB-NV	106.3	KINS-FM-CA
1150	KEIB-CA F	1490	KZZZ-AZ	94.9	KICE-OR F	106.9	<u>KFRC-FM-CA</u>
1230	KAAA-AZ		KRKC-CA j	95.5	KCLZ-CA	107.5	KXO-FM-CA
	KGEO-CA	1580	KQFN-AZ	95.7	<u>KGMZ-FM-CA</u>		
	KDAC-CA	1600	KOHI-OR	101.5	K268CS-NV		
	KPRL-CA j						

Oakland Raiders (SS) (2018)

1490	KZNB-CA	107.5	KLVE-CA
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Philadelphia Eagles (EE) (2018) Merrill Reese, Mike Quick

<http://www.eaglesgame.net/live/live-eagles-radio/> (8/22/2018)

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

Philadelphia Eagles (SS) (2018)

1310	<u>WEMJ-NJ</u>	105.7	W289AZ-NJ
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Pittsburgh Steelers (2018) Bill Hillgrove, Tunch Ilkin, Craig Wolfey

<https://www.steelers.com/audio/steelers-radio-network/> (8/22/2018)

590	WMBS-PA u	1450	WDAD-PA	92.9	W225CK-PA	101.3	WKFT-PA
630	WJAW-OH		WQWK-PA	94.3	WRQI-PA	102.1	WIFT-PA
670	WLUI-PA		WJPA-PA u		WRLF-WV	102.5	<u>WDVE-PA</u>
680	WISR-PA	1460	WMBA-PA	95.1	WYLE-PA	103.7	WCXR-PA
800	WCHA-PA	1480	WCNS-PA	99.1	WRKW-PA	104.3	WKNB-PA
920	WMMN-WV	1490	WNTJ-PA	99.3	WZXR-PA	104.9	WRKY-FM-PA
970	<u>WBGG-PA</u>	1540	WECZ-PA	100.1	WDMX-WV		WRKT-PA
990	WNTI-PA			100.3	W262CU-PA	106.1	WRQE-MD
1230	WBVP-PA	92.1	WOHF-OH	100.9	WVLY-PA	107.5	WBVE-PA
1390	WNIO-OH	92.3	WXCR-WV		W265DI-PA	107.7	WRQW-PA
1410	WHAG-MD	92.7	WCCR-FM-PA				
1430	WVAM-PA		WONN-FM-PA				

KCBS
ALL NEWS
740 AM | 106.9 FM

San Francisco 49ers (EE) (2018) Ted Robinson, Tim Ryan<https://www.49ers.com/fans/tv-radio> (9/16/2018)

This site contains a map with gay, blue, and brown markers (no key says what the colors mean).

630 KPLY-NV ej	860 KPAM-OR e	1340 KATA-CA f	95.3 KURY-FM-OR e
670 KMZQ-NV ek	940 KFIG-CA f	1400 KKJL-CA e	95.7 KBOY-FM-OR e
680 <u>KNBR-CA</u>	970 KESP-CA f	1460 KION-CA f	96.1 KKXS-CA f
810 <u>KGO-CA</u>	1050 KORE-OR	1490 KRKC-CA j	97.3 KWFN-CA eP
830 KNCO-CA b	1230 KPRL-CA ej		100.7 KTHU-CA b
KLAA-CA e	1320 KIFM-CA e	93.3 KJDX-CA e	107.7 <u>KSAN-CA</u> f

Seattle Seahawks (2018) *Steve Raible, Warren Moon<https://www.seahawks.com/gameday/broadcasting/radio/> (8/17/2018)

560 KVOK-AK	1170 KPUG-WA D	92.7 KNCW-WA	98.7 K254BA-AK
KPQ-WA	1230 KIFW-AK	93.3 K227DQ-AK	99.1 K256AC-OR
580 KTMT-OR	1240 KOFE-ID	93.5 KOZI-FM-WA	99.9 K260AU-MT
610 KONA-WA	KTIX-OR	94.3 K232FL-HI	100.5 K263BT-OR
660 KAPS-WA	KXLE-WA	94.5 KHTQ-ID	100.9 K265AX-WA
670 KBOI-ID	1280 KIT-WA	KMON-FM-MT	102.1 KTMB-AK
690 KHNR-HI	1400 KEDO-WA	KATS-WA	K271AH-WA
700 KBYR-AK	1420 KUJ-WA	95.3 KKBC-FM-OR	102.3 KCRX-FM-OR
710 <u>KIRO-WA</u>	1430 KCLK-WA	KUJZ-OR	103.1 K276GF-OR
800 KINY-AK	1440 KODL-OR	95.7 KLTW-FM-OR	K276BY-WA
840 KMAX-WA	1450 KLAM-AK	95.9 KHNK-MT	K276CY-WA
930 KTKN-AK	KONP-WA	96.7 KBDB-FM-WA	103.3 K277CZ-WA
1030 KMAS-WA D	1470 KBSN-WA	96.9 KYYO-WA	103.5 K278CO-AK
1040 CKST-BC	1580 KGAL-OR	97.3 <u>KIRO-FM-WA</u>	104.3 KMNT-WA
1070 CFX-BC		97.9 K250BW-WA	104.7 KDUX-FM-WA
1080 KFXX-OR	92.1 KCRK-FM-WA	98.5 KEYG-FM-WA	105.9 KRJT-OR
1150 CKFR-BC	92.3 KGON-OR		

Tampa Bay Buccaneers (EE) (2018) *Gary Deckerhoff, Dave Moore, T. J. Rives<https://www.gotknowhow.com/articles/listen-to-tampa-bay-buccaneers-games-radio> (8/22/2018)

620 <u>WDAE-FL</u>	1430 WLKF-FL	95.3 WXCV-FL	100.1 W261BA-FL
740 WYGM-FL	1450 WWJB-FL	W237FB-FL	103.5 <u>WFUS-FL</u>
900 WMOP-FL	1480 WFLN-FL	99.3 WWCN-FL	
1270 WTLY-FL	1590 WPSL-FL N		

Tampa Bay Buccaneers (SS) (2018) Martin Gramatica<https://www.buccaneers.com/news/buccaneers-games-now-available-in-spanish> (8/16/2018)

1470 WMGG-FL	96.1 <u>WTMP-FL</u>
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Tennessee Titans (2018) Mike Keith, Dave McGinnis, Rhett Bryan, Jonathan Hutton, Blaine Bishop, Mark Howard<http://www.titansradio.com/> (8/17/2018)

540 WKFN-TN	1260 WDKN-TN	93.5 W228DG-TN	104.5 <u>WGFX-TN</u>
640 WXSM-TN	1280 WMCP-TN	94.3 WJMM-FM-TN	104.9 WWKY-FM-KY
680 WMFS-TN	1290 WCBL-KY	95.9 WRJB-TN	105.3 WPTQ-KY
730 WUMP-AL	1320 WMSR-TN	96.5 W243CU-KY	105.5 WYTM-FM-TN
770 WVNN-AL	1340 KLID-MO	96.7 WNKX-FM-TN	105.7 W289BQ-TN
790 WMC-TN	WCDT-TN	98.7 WOKI-TN	WQAK-TN
860 WSON-KY	1400 WIEL-KY	98.9 WANT-TN	106.1 W291CU-KY
990 KIKI-HI	1420 WVJS-KY	99.5 W255AN-KY	106.5 WKDZ-FM-KY
1050 WWIC-AL	1490 WCOR-TN	100.5 WJQX-AL	106.7 WBKV-TN
1060 WQMV-TN	1560 WPAD-KY	102.3 WZDQ-TN	106.9 WKXD-FM-TN
1150 WGOW-TN		WGOW-FM-TN	107.3 WQLT-FM-AL
WCRK-TN	92.5 WVNN-FM-AL	103.9 W280BA-AL	107.9 W300BL-TN
1220 WFWL-TN	92.9 W225CL-KY	104.1 WCLE-FM-TN	
1230 WAKI-TN	WMFS-FM-TN	W281BT-TN	



Washington Redskins (2018) Larry Michael, Sonny Jurgensen, Rick "Doc" Walker, Chris Cooley
<https://www.redskins.com/news/radio-network> (8/22/2018)

550	WSVA-VA	970	WKCI-VA	92.1	W221CF-VA	104.5	W283DA-VA T
580	WLVA-VA i	980	WTEM-DC	94.9	WAMS-MD	105.5	WRAR-FM-VA
740	WRNR-WV y	1050	WBRG-VA T	95.9	WGRQ-VA	105.9	WMAL-FM-VA
850	WTAR-VA	1270	WCBC-MD	99.1	WXGM-FM-VA	106.5	W293AM-WV y
900	WKDW-VA	1400	WSMY-NC y	99.3	WFQX-VA	106.9	WWEF-MD
950	WXGI-VA	1450	WGNC-NC	101.1	W266DC-NC	107.3	W297BC-VA
960	WFIR-VA	1490	WWNB-NC				

Westwood One NFL Radio Network (2018)

<http://westwoodonesports.com/stations/ma/2018-nfl-on-westwood-one-sports/> (9/17-20/2018)

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

550	WGR-NY r	1200	WOAI-TX z	1450	KVEN-CA	97.9	WUCS-CT
560	WNSR-TN	1210	WPHT-PA		WSTU-FL		WSLM-FM-IN K
	WHBQ-TN	1220	WZBK-NH		WKEU-GA U		K250BW-WA
570	KLAC-CA t	1230	WBZT-FL		WJPA-PA u	98.3	K252FM-NM
580	WDBO-FL		WCMD-MD	1460	WBNS-OH	98.5	W253CX-PA
590	WMBS-PA u		KYVA-NM	1480	WEEO-PA	99.5	W258CH-GA
610	KCSR-NE v		WEEX-PA I	1490	KNAM-CO v	99.9	W260BM-MD
	KNML-NM		WAKI-TN H		WKBV-IN		WCMC-FM-NC
	WFNZ-NC	1240	WIOV-PA		KRUI-NM	100.5	WJQX-AL H
	KILT-TX x	1260	WNDE-IN		WESB-PA	100.9	W265EB-CT
660	WFAN-NY	1270	WXYT-MI		WBCB-PA G		W265DN-IN
670	WSCR-IL	1280	KWSX-CA	1560	KEBC-OK		K265EZ-NV
680	WHBE-KY		WPKZ-MA J	1590	WPSL-FL N		WJAW-FM-OH
690	WJOX-AL		KZNS-UT	1600	KEPN-CO	101.1	WXOS-IL
740	WRNR-WV y	1300	WAVZ-CT		WKWF-FL R		W266DB-PA
750	KXTG-OR		WJZ-MD			101.5	WZEI-NH
	KOAL-UT	1310	KFKA-CO	87.7	WPGF-LP-TN		W268CU-NC
760	KTKR-TX z		WISE-NC	92.3	WKRK-FM-OH	101.7	WDEL-FM-NJ
780	KAZM-AZ A	1320	KCLI-OK	92.9	WZGC-GA	101.9	WFAN-FM-NY
810	WHB-MO		WTKZ-PA		W225CZ-LA	102.1	W271AT-MD
850	WEEI-MA	1330	WYRD-SC	93.5	WEEY-NH	102.3	W272DM-GA
870	WWL-LA B	1340	WJRW-MI		WZCY-FM-PA	102.9	K275CH-OR
900	KKRT-WA		KCQL-NM v	93.7	WEEI-FM-MA	103.1	W276BH-TN
910	KGME-AZ		KYCN-WY v		KDKA-FM-PA	103.7	WVEI-FM-RI
	KMPS-CA X	1350	KPWK-CA	93.9	K230AF-NM	104.1	W281AU-NH
920	WOKY-WI		WWWL-LA	94.1	K231BQ-CO	104.3	KKFN-CO
930	WFXJ-FL	1360	WGJK-GA		WIP-FM-PA G	104.5	WGFX-TN H
940	WFAW-WI C		WSAI-OH		WVSP-FM-VA	104.9	KTXX-FM-TX z
950	WORD-SC	1370	WGCL-IN K	94.3	K232EI-AZ	105.3	WWL-FM-LA B
	KJR-WA	1380	WELE-FL		K232ED-WA		W287BT-MA
970	WYSE-NC	1390	WOHS-NC L	94.5	WJOX-FM-AL		KRLD-FM-TX z
	KUFO-OR		KCRC-OK	94.9	KICE-OR F	105.5	K288DA-CO
980	KNTR-AZ A		WKLP-WV	95.5	KWEY-FM-OK		WYKT-IL
1000	WIOO-PA	1400	KVSF-NM	95.9	WEFM-IN K		W288CQ-NC
1020	KDKA-PA		WSMY-NC y		W240CA-TN	105.7	WHBE-FM-KY
1030	KMAS-WA D		WHGB-PA	96.1	W241CD-IN		WJZ-FM-MD
1040	WHBO-FL	1410	WPOP-CT	96.9	WLAV-FM-MI	106.1	KNFO-CO v
1050	WTKA-MI E	1420	WBSM-MA J	97.1	WXYT-FM-MI	106.5	W293AB-NH
1060	WIXC-FL	1430	WNAV-MD M		WBNS-FM-OH		W293AM-WV y
1080	WWDR-NC		WBEV-WI	97.3	KWFN-CA P	107.3	WBBL-FM-MI E
1100	KWWN-NV	1440	WVEI-MA		WENJ-NJ G		KLPW-FM-MO
1150	KEIB-CA F		WGLD-PA	97.5	KZNS-FM-UT	107.7	KBPY-NE
	WDEL-DE G		WAJR-WV	97.7	K249FB-TX		KRXO-FM-OK
1170	KPUG-WA D						

Note that there are separate lower-case and capital letter footnotes.

* Announcers from a previous season

a The Arizona Cardinals' list has "KDDL/KQNA 94.3 Prescott Valley". KDDL is 94.3. KQNA is 1130 with translators on 95.5 and 99.9.

b San Francisco 49ers blue station marker
 c d RESERVED [unused]
 e San Francisco 49ers gray station marker
 f San Francisco 49ers brown "home" station marker
 g The 49ers web page has announcers for Spanish radio, but it has no flagship station.
 h RESERVED [unused]
 i Carolina Panthers and Washington Redskins
 j Oakland Raiders and San Francisco 49ers
 k Denver Broncos and San Francisco 49ers
 l New England Patriots and New York Giants
 m Dallas Cowboys and Houston Texans
 n RESERVED [unused]
 o Dallas Cowboys (SS) and Houston Texans
 p New England Patriots and New York Jets
 q Kansas City Chiefs and Oakland Raiders
 r Buffalo Bills and Westwood One NFL
 s RESERVED [unused]
 t Oakland Raiders and Westwood One NFL
 u Pittsburgh Steelers and Westwood One NFL
 v Denver Broncos and Westwood One NFL
 w RESERVED [unused]
 x Houston Texans and Westwood One NFL
 y Washington Redskins and Westwood One NFL
 z Dallas Cowboys and Westwood One NFL
 A Arizona Cardinals and Westwood One NFL
 B New Orleans Saints and Westwood One NFL
 C Green Bay Packers and Westwood One NFL
 D Seattle Seahawks and Westwood One NFL
 E Detroit Lions and Westwood One NFL
 F Oakland Raiders and Westwood One NFL
 G Philadelphia Eagles and Westwood One NFL
 H Tennessee Titans and Westwood One NFL
 I New York Giants and Westwood One NFL
 J New England Patriots and Westwood One NFL
 K Indianapolis Colts and Westwood One NFL
 L Carolina Panthers and Westwood One NFL
 M Baltimore Ravens and Westwood One NFL
 N Miami Dolphins and Tampa Bay Buccaneers and Westwood One NFL
 O Cleveland Browns and Westwood One NFL
 P San Francisco 49ers and Westwood One NFL
 Q Kansas City Chiefs and Westwood One NFL
 R Miami Dolphins and Westwood One
 S Spanish language
 T Atlanta Falcons and Washington Redskins
 U Atlanta Falcons and Westwood One NFL
 V Atlanta Falcons and Jacksonville Jaguars
 W Los Angeles Rams and Los Angeles Chargers
 X Los Angeles Chargers and Westwood One NFL
 Y Los Angeles Chargers and Oakland Raiders



Volume 86 DX News Schedule

No	D'dline	Print	No	D'dline	Print
3	Oct. 19	Oct. 29	12	Feb. 22	Mar. 4
4	Nov. 2	Nov. 12	13	Mar. 15	Mar. 25
5	Nov. 16	Nov. 26	14	Apr. 5	Apr. 15
6	Nov. 30	Dec. 10	15	Apr. 26	May 6
7	Dec. 14	Dec. 24	16	May 17	May 27
8	Dec. 28	Jan. 7	17	June 14	June 24
9	Jan. 11	Jan. 21	18	July 12	July 22
10	Jan. 25	Feb. 4	19	Aug. 9	Aug. 19
11	Feb. 8	Feb. 18	20	Sept. 6	Sept. 16

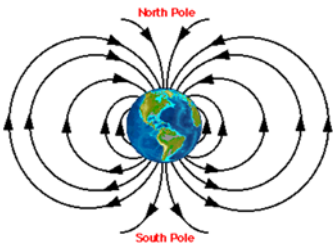


Musings of the Members

Dave Schmidt, 49 N. Sumner Street, York PA 17404, NRCMusings@aol.com

Rod O'Connor – Southwest Harbor, ME – rjoc04679@msn.com

Greetings from the DownEast coast of Maine. I just recently renewed my membership for my 40th year in NRC ... as things in radio has changed so much, I haven't been as active a DXer as in the past, especially when I was stationed in Alaska, but now that I am back on the coast of Maine, DXing has dropped off. One of the main reasons is electrical and other interference which trashes the AM band. I especially notice how AM reception has been ruined with overhead power lines, cable TV and Wi-Fi internet interference. Still, I have my old GE SuperRadio III which works reasonably well. My original SuperRadio 1 which I bought when stationed in Hawaii lasted over 15 years, from my base on Sand Island, Honolulu in early 80s it picked up stations all across the Pacific. When I got transferred to Kodiak Island in 1984 it literally picked up every AM station in Alaska from Ketchikan to Barrow and out to the Aleutians. My greatest catch there was in June 1984 when I picked up WBZ-1030 Boston. Of course now WBZ is a powerhouse local, just 175 miles straight across the ocean from its Hull MA transmitter. Here on the coast of Maine, away from electrical interference AM reception can be quite interesting. Numerous Boston and New York AM stations can be heard; with WCBS-880 and WFAN-660 are regulars. If you are travelling to Maine, I suggest some of the shorefront parking areas on Mount Desert Island, and Schoodic Point at Winter Harbor are prime locations. Despite AM Radios decline, I find there are still many good AM Stations still left, and DX conditions can still yield interesting results. Patience is the key. Until next time good DX to all.



Geomagnetic Indices

Geomagnetic Summary September 2018

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

Date	Flux	A	K	Space Weather	Date	Flux	A	K	Space Weather
9/ 1	68	4	1	no storms	16	69	6	2	no storms
2	68	5	2	no storms	17	68	11	3	no storms
3	68	5	1	no storms	18	68	6	1	no storms
4	68	9	3	no storms	19	68	4	0	no storms
5	68	11	1	no storms	20	67	2	0	no storms
6	67	6	2	no storms	21	67	8	5	minor, G1
7	68	5	1	no storms	22	68	27	4	minor, G1
8	39	5	2	no storms	23	68	12	2	no storms
9	68	7	3	no storms	24	69	7	2	no storms
10	69	21	5	minor, G1	25	68	11	3	no storms
11	69	35	2	moderate, G2	26	69	8	3	no storms
12	70	8	3	no storms	27	67	7	2	no storms
13	70	17	3	no storms	28	69	8	2	no storms
14	69	16	3	minor, G1	29	69	10	3	no storms
15	69	8	2	no storms	9/30	68	6	2	no storms

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

Follow @NRCDXNews on Twitter!



Twitter can be used to disseminate hot MW DX tips to the DX community

To read tips: go to www.twitter.com and search for #mwdx

To send tips, write a tweet (140 characters max) and include the tag #mwdx

GRAVEYARD DX UPDATE

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

TimHall1@gmail.com

1400 kHz

WGHC GA Clayton	Steve Francis	Alcoa, TN	72
WHCC NC Waynesville	Steve Francis	Alcoa, TN	60

Thanks to Steve Francis and Shawn Axelrod for submitting information for this month's column.

In addition to the 2 new records published above, I've received 4 potential records for receptions under 60 miles, which raises an issue: Sometime in the last few years, a rule was introduced that only receptions over 60 miles would be accepted (the idea being that a GYDX record should be both "GY" and "DX"), and almost all of the records under 60 miles were removed from the lists at that time. I'd like to understand what our current and past contributors think about this. "Shall we keep or remove the 60-mile rule?", (he said, fearing a 50-50 split in the responses). If we remove the rule, we should reinstate the deleted records before we start awarding new ones. I'm open to doing that. Please send me your comments this month, and I'll summarize the results in the next column.

Guidelines for submitting GYDX records (not much has changed, just a few minor notes):

- Tell me the city (or description, if you were listening from a remote area outside of town) and the exact latitude/longitude of your DX location. (For an easy way to get your latitude/longitude, just enter your address into Google, click on the Google map, then click inside the map at the exact location you were DXing. The latitude and longitude appear in the revised URL after you click on your DX location.)
- Please try to verify that the catch is a record. Web sites such as <http://topazdesigns.com/ambc/> make it easy to calculate the distance from your latitude/longitude to any current US or Canadian station.
- Of course, include the call sign (at the time of your reception), frequency, city/state of the station.
- We still have a policy in place to provide some documentation of the reception, e.g., a logging, a recording, or a verification. (If your logging has recently appeared in DXN, just let me know; there's no need to resend the details to me.)

A few people have raised another interesting question: How shall we handle cases where you used to hold a record for a given station, then another DXer beat that record, but the record was later vacated for some reason, and your old logging would beat the record (if any) listed for that station today... i.e., how do you go about reclaiming an old record, when it might be difficult to dig up your old log of that station from 20 or 30 years ago? Here's an idea: We have decades' worth of old DXNs on file on the e-DXN web site. If you can direct me to the DXN issue that contains your past record (either the GYDXA column showing the record, or the DDXD/IDXD column showing the logging... a GYDXA column will probably be a lot easier to find!), then I'll reinstate the record on the merits of its prior publication. It makes sense to honor the decisions of the past editors, and this will streamline the process (and hopefully get a few more people to review their old records and jump back into the GYDX arena). This month's record for WGHC-1400 was actually the result of this process (since the station no longer exists, I couldn't calculate the distance myself, and needed to consult the old GYDXA column).

Our next column will include a GYDX totals update. If you want to decompose your totals from multiple locations back into separate totals for each DX location, now is the time to let me know. Hopefully your totals do not include call changes, but if they do, please let me know, so we can make a note of it.

See you in a month or so, after this year's Border Inn DXpedition. I'm trying to hear 200 GY stations from a single location for the first time in my life (last year's trip took me from 180 to 193). After 2 years of very heavy auroras, some non-auroral conditions would sure help me with all the northern stations I still need. – 73 Tim

(1490 kHz listings will be printed in a future issue, space permitting.)

From the *DX News* archives

75 Years Ago – From the October 16, 1943 issue of *DX News*: TGW-640 in Guatemala City was heard by Ray Edge in Buffalo NY and Dick Cooper in Kittanning PA at its sign-off at 1:15 a.m. EWT (Eastern War Time). Bill Gabriel, Jr. sent a list of call letters assigned to FM stations, which previously had only used experimental callsigns (e.g., W67NY New York will now be WABC-FM). Jim Wedewer has stepped down as editor of the shortwave column.

50 Years Ago – From the October 19, 1968 issue of *DX News*: The “Boston Emergency Publishing Committee” has taken over the publication of *DX News* from John Callarman, following the successful convention in Boston. There was much discussion of a possible merger between the NRC and the IRCA, and a 10-member committee from both clubs was considering various options. Wayne Heinen (Aurora NY) reported several verifications, including KNX-1070 and 4VEH-1035. TGJ-880 in Guatemala was reported from coast to coast by Fr. Jack Pezja in California and Marc DeLorenzo in Massachusetts, while LR-1 Argentina on 1070 was logged for the first time by Gordon Nelson, also in Massachusetts.

25 Years Ago – From the October 18, 1993 issue of *DX News*: Barry Finkel published a list of NFL flagship stations and numbers of network affiliates. Barry Wayslik, along with David McBride and George McLachlan, heard both TAs and TPs at their DXPedition in Lewis, MB, including Tahiti-738, Australia-702, 738, 774, and 828, Egypt-1107, and Germany-1539. The Arctic Radio Club reported many MW stations in Europe going dark or severely reducing schedules, including in Austria, Estonia, Germany, Kaliningrad, Switzerland, and Ukraine. Steve Francis in Alcoa TN reported that he had logged his 10th station on 890 (Cuba), 830 (R. Paradise), and 880 (KHAC), leaving only 650 and 700 kHz as channels with fewer than 10 stations logged.

10 Years Ago – From the October 13, 2008 issue of *DX News*: Richard Allen of Billings OK sent loggings to IDXD for the first time in two decades, using his ultralight Sony SRF-T615 barefoot, with his loggings including Japan-774. Giampero Bernardini reported loggings from La Spezia, Italy, including WQBA-1140, R. Martí-1180, WLIB-1190, WRCA-1330, WDEA-1370, WEGP-1390, WFED-1500, WDCD-1540, WCNZ-1660, WOKB-1680, and WJCC-1700. Kevin Schanilec contributed a lengthy article on DXing techniques using passive loop antennas, including positioning of the antenna and receiver to enhance selectivity, notch adjacent channels and IBOC noise, and more.

NOAA Space Weather Outlook

Issued October 1, 2018 – For the period October 1-27, 2018

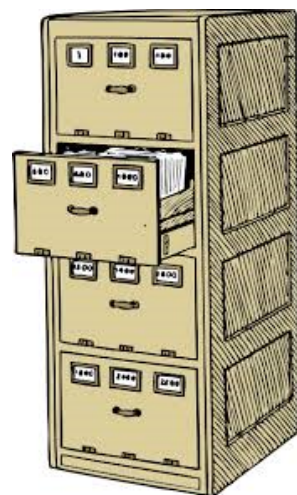
<http://www.swpc.noaa.gov/products/weekly-highlights-and-27-day-forecast>

Solar activity is expected to be at very low levels throughout the outlook period, with a slight chance for C-class flare activity.

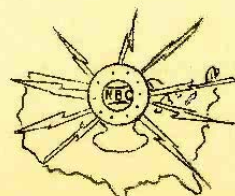
No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at moderate levels from 1 - 8 Oct, and again from 26-27 Oct. High levels are expected from 9-25 Oct following elevated solar wind speeds associated to recurrent CH HSS activity.

Geomagnetic field activity is expected to be at quiet to unsettled levels from 1-6 Oct, with isolated active levels likely on 1 Oct. Conditions are then expected to reach G1 (Minor) storm levels on 7-8 Oct, with G2 (Moderate) storm levels likely on 8 Oct, due to a positive polarity CH HSS. A brief return to unsettled levels is likely on 9 Oct, with G1 (Minor) storm levels likely returning on 10 Oct as CH HSS effects persist. Active levels are expected on 11 Oct as CH HSS effects taper off. Mostly quiet to unsettled levels are expected from 12 - 18 Oct, with isolated active periods likely on 14 and 18 Oct. G1 levels are likely again on 19 Oct as another CH HSS influences the magnetic field. Isolated active periods are expected early on 20 Oct before conditions decrease to be at mostly unsettled levels throughout the remainder of the outlook period (21-27 Oct) as CH HSS effects continue to wane.



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NRC Antenna Pattern Book 8th Edition Is Now Available

The lists of U.S. and Canadian stations are those licensed by the US Federal Communications Commission and Canada's Industry Canada, and coincides with those appearing in the 39th Edition of the National Radio Club's AM Radio Log. Many stations have a Construction Permit (CP) for changes to their facilities. It is assumed that these changes will eventually be employed, so are depicted as such. Additionally, several Mexican stations located adjacent to, and near, the United States border are included, as well as stations on 810, 1240 and 1540 in Nassau, Bahamas.

THE NATIONAL RADIO CLUB'S



AM STATION ANTENNA
PATTERN BOOK
EIGHTH EDITION

prepared by
BILL HALE

The National Radio Club, Inc.
PO Box 473251
Aurora, CO 80047-3251

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Naturally, a non-directional signal travels as far as possible, depending upon the transmitter's output power through a single tower. Directional patterns are used to avoid interference to other stations on the same or adjacent frequencies, and may require as many as twelve towers to achieve this. Pattern plots in this book are reproductions of those shown by the FCC, and backed up by those generated by a computer program written by NRC member Neil Adams. Each illustration closely reproduces the pattern's shape and bearing. However, the size does not reflect the actual coverage areas due to many variables: frequency; a directional pattern (if used); the electrical tower height; ground conductivity; terrain; weather; atmospheric conditions, and interference from other stations. Your ability to hear any station, of course, is based upon these factors plus your receiving equipment.

PATTERN PLOTS: Daytime patterns are illustrated with a dashed line; Nighttime patterns by a solid line; Critical Hours patterns are depicted by a solid line with small circles at various intervals. Many stations, mostly on 'clear channels', operate during what is referred to as 'Critical Hours'. These periods are from sunrise to sunrise plus two hours, and sunset minus two hours to sunset. This is when the ionosphere transitions from nighttime to daytime (morning), or daytime to nighttime (evening) conditions resulting in greater coverage for a station than what would be expected using their licensed daytime power. Licensed 'Daytime' operation during these periods would cause interference to co-channel and adjacent-channel stations. So, the FCC has implemented Critical Hours periods for stations who agree to operate during those periods with (normally) a power level lower than that licensed during the daytime, and in some cases utilizing a directional pattern. Currently, no Canadian or Mexican station is licensed to operate using a Critical Hours operation.

U1 and U3: Patterns for stations which operate with the same power day and night, designated in the AM Log as U1 (non-directional) or U3 (same pattern all hours), are depicted with a single, solid line. Many stations with the same power all hours and designated DA2 by the FCC and U4 by the NRC, but have identical parameters. Those patterns are also drawn with a single, solid line.

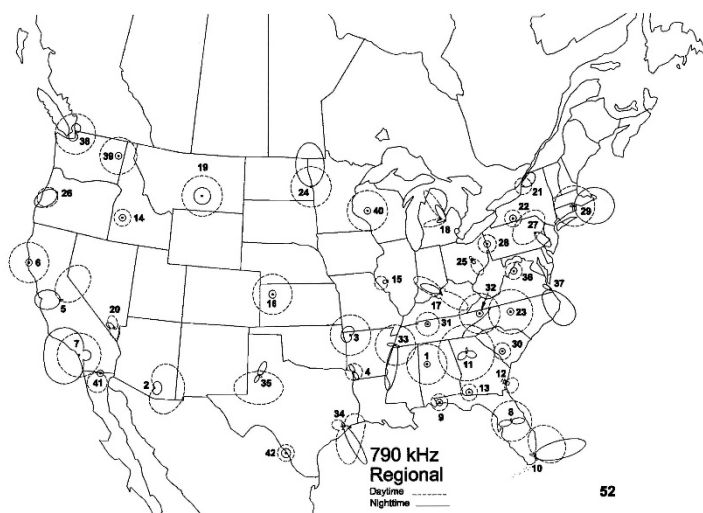
Except for four, all stations on 1230, 1240, 1340, 1400, 1450 and 1490 kHz are licensed to operate non-directional all hours, so no patterns are drawn for them. Patterns are illustrated, however, for the four using a directional signal. All non-directional signals less than 500 Watts are depicted by a small, equally-sized circle.

All stations in Alaska and Hawaii operate non-directional full time, except one. That being in Nome, Alaska on 850 kHz (directional only during Critical Hours operation; see pattern on Page 64). All stations in Alaska, Hawaii and Northwest Canada are designated on the List pages by an A, H or C, and their locations are plotted on Page 238.

Every attempt has been made to place the listed number adjacent to the corresponding dot of the city so as not to interfere with the pattern or a state/province line. Where not possible, or in the case of space restrictions, an arrow has been utilized to match the number with the location of the station.

The book is available from the National Radio Club at PO Box 473251, Aurora CO 80047-3251 and Priority Mail to addresses in the United States for \$26.95 for members and \$32.95 for nonmembers. Canadian orders are US\$40.25 and all other countries are US\$51.25 both shipped Global Priority Mail.

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



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