News

Serving DXers since 1933

Volume 84, No. 14 ◆ April 17, 2017 ◆(ISSN 0737-1639)

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Joint Convention 2017: The joint IRCA-NRC-DecaloMania convention is August 17-20 in Reno, Nevada. The location will be the Best Western Airport Plaza Hotel, 1981 Terminal Way, Reno NV 89502. For reservations, call (775) 348-6371 and request the International Radio Club of America room rate of \$100/night (plus tax).

Registration fee (not including the banquet) is \$25 payable to Mike Sanburn, P.O. Box 1256, Bellflower, CA 90707-1256, or by PayPal (add \$1 mikesanburn@hotmail.com. contact info and club affiliations.

Department of Corrections: Last two issues we had some items for sale by Jim Shaw, and I printed two different e-mail addresses for Jim, both of them incorrect. His correct e-mail address is <u>jshaw1@woh.rr.com</u> – contact him there for more info about any of those items. Apologies!

Web Site: We are still looking for a successor to Kraig Krist as e-DXN and nrcdxas.org webmaster. For more information, contact NRC chair Paul Swearingen **Board** plsbcbdxer@aol.com.

From the Publisher: Still some good DX as we move into spring. But if the conditions are not good, you might want to check out the web site of Jay Allen, a retired CBS engineer, who has lots of good AM receiver reviews - check them out at | John J. Long; Markarian Brothers; Donald Moore; radiojayallen.com.

We'll be back in three weeks, and then monthly for the summer. Don't forget to check the Soule; Robert G. Stonier; William D. Swiger; Brent submission deadlines and keep DX News filled all Taylor; Alphonse Tobia; Tim Tomljanovich; Wally summer long!

Volume 84 DX News Schedule

<u>No</u>	<u>D'dline</u>	<u>Print</u>	<u>No</u>	<u>D'dline</u>	<u>Print</u>
15	Apr. 28	May 8	18	July 21	July 31
16	May 26	June 5	19	Aug. 18	Aug. 28
17	June 23	July 3	20	Sept. 8	Sept. 18

Membership Report

"Please renew my subscription to DX News for another two years." - Gerald M. Conkling Jr.

"Please renew DX News for another year. Keep Include up the good work." – Paul Roberts.

> "Please renew my subscription to DX News for another year. Thank you." - Hap Huber.

> New Members: Welcome to Doug Hunt, Tioga, PA.

> **Rejoining Members**: Welcome back to Charles KY; and David Visser, Covington, Krimpen, Netherlands.

Renewing Members: Thanks for the ongoing support of Richard Allen; Robert M. Berglund; Bruner; Mike Bugaj; at Capobianco; Tim Clampit; John Clark; John E. Clark; Gerald M. Conkling Jr.; Mark Connelly; Bruce Conti; Mike Cook; Richard L. Evans; William Feidt; Steve H. Forrest; Stephen R Gaughan; David Gleason; Gerard Gonsalves; Mike S. Hardester; Wayne Heinen; Hap Huber; Paul Roberts; Patrick Roberson; David Shapiro; James E. Shaw; Caryn Sobel; Rev. Edward A Wawro; and David Yocis.

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

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

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

AM Switch

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

Official updates from the FCC and the CRTC

CALL CHANGES

740 KVOX ND Fargo – Call change to KNFL (Mar. 29).

940 KICE OR Bend – Call change to KCOE (Mar. 23).

1110 WCCM NH Salem – Call change to WMVX (Apr. 1).

1230 KRRF UT Murray – Call change to KADH (Mar. 24) and back to KRRF (Apr. 4).

1260 KBOQ CA Beverly Hills – Call change to KSUR (Mar. 20).

1570 WMVX MA Methuen – Call change to WCCM (Apr. 1).

NEW STATION WATCH

1490 KSGI UT Santa Clara – This is the correct location (and call) of the new station CP as mentioned last issue (not CA). This is in southwestern Utah, NW of St. George.

STATIONS GOING DARK

1450 WGPC GA Albany – License cancelled at licensee's request per Mar. 10 letter to FCC.

1500 KDFN MO Doniphan – License cancelled at licensee's request per Feb. 1 letter to FCC.

CONSTRUCTION PERMITS (CPS) FOR EXISTING STATIONS

CPs fully licensed and on the air:

1150 KIMM SD Rapid City – CP for U1 5000/36 is on the air from 44-04-34/103-06-42.

CPs built, awaiting final licensing:

630 WREY MN St. Paul – Granted program test authority on CP for U4 3000/2400.

670 KMZQ NV Las Vegas – Applies for license to cover CP for U4 25000/600.

890 KMJE CA Olivehurst – Applies for license to cover, and granted program test authority on, CP for U4 10000/270, moving night operations to existing day site.

990 WMYM FL Miami – Applies for license to cover CP for U4 7500/5000, moving to new site and CoL of Kendall FL.

1040 WURN FL Boynton Beach – Applies for license to cover CP for U4 50000/5000, moving to new site and CoL of Miami FL.

1170 KLOK CA San Jose – Applies for license to cover CP for U4 50000/9000 from a new site.

1450 KIKR TX Beaumont – Applies for license to cover CP for new tower.

1500 KHKA HI Honolulu – Applies for license to cover CP for U1 5000/5000.

CPs granted:

700 WDMV MD Walkersville – Granted CP for D3 50000.

1080 WHOO FL Kissimmee – Granted CP for U7 50000/1000 (ch 27000), CoL to Winter Park FL and moving to 28-34-18/81-26-02.

Amendment to pending application filed:

1140 KNAB CO Burlington – Has an application for U1 1000/48, amends to U1 1000/18.

Applications for new CPs filed:

610 WIOD FL Miami – Applies for U4 50000/20000, new site at 25-42-38/80-28-32.

1580 WVOZ PR Morovis – Applies for U5 1000/1000, CoL to Aguadilla PR, moving to 18-24-09/67-08-48.

1650 WHKT VA Portsmouth – Applies for U1 6500/1000.

SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

630 KSLR TX San Antonio – Granted STA, parameters at variance, pattern is altered by new power lines.

850 WKGE PA Johnstown – Granted STA, U1 1500/1500.

- 930 KLUP TX Terrell Hills Granted STA, night parameters at variance, pattern problems.
- **1160 KRDY TX San Antonio** Granted STA, parameters at variance or U1 2500/250, pattern is out of whack.
- **1340 WROD FL** Daytona Beach Granted STA, U1 250/250 from WPUL-1590 tower, has lost licensed site.
- 1430 KVVN CA Santa Clara Granted STA, U1 250/625, due to flooding.
- **1450 WTKI AL Huntsville** Granted STA with U1 550/550 from 169-foot longwire at studio site (34-43-43/86-36-01); has lost licensed site.
- **1490 WOSH WI Oshkosh** Granted STA with reduced power (running U1 750/750) due to transmitter problems.
- **1550 WVAB VA Virginia Beach** Granted STA, U1 6/6 from temporary 12-meter vertical radiator at 36-51-15/76-10-17.

Application for STAs received:

1450 KYLW MT Lockwood – Applies for STA with U1 30/30 from temporary longwire at 45-46-05/108-22-25; has lost licensed site.

Extensions of previously granted STAs granted:

- **560** WNSR TN Brentwood Granted STA extension, U1 1125/75 from night site.
- 610 WIOD FL Miami Granted STA extension, U4 10000/10000, Cuban QRM.
- 890 KJME CO Fountain Granted STA extension, U1 1250/145.
- 970 KUFO OR Portland Granted STA extension, parameters at variance.
- 990 KZZB TX Beaumont Granted STA extension, U1 250/250.
- **1010** KIND KS Independence Granted STA extension, U1 250/32, KIND-FM tower.
- 1140 KXST NV North Las Vegas Granted STA extension, parameters at variance.
- 1170 WGMP AL Montgomery Granted STA extension, reduced day power (unspecified).
- **1280 KFRN CA Long Beach** Granted STA extension, reduced day power (unspecified).
- 1300 KBRL NE McCook Granted STA extension, U1 1250/34.
- **1330 WINT OH Willoughby** Granted STA extension, U1 125/11 or experimental antenna.
- **1410** KMYC CA Marysville Granted STA extension, U1 1250/250.
- 1530 WOBX NC Wanchese Granted STA extension, D1 250/
- **1560 KKAA SD Aberdeen** Granted STA extension, night parameters at variance.

Extension of previously granted STA denied:

580 KZMX SD Hot Springs – Applied to extend STA for reduced power, but its transmitter was completely disassembled, and the FCC didn't see how that would work.

Applications to extend previously granted STAs filed:

- **540 WETC NC Wendell-Zebulon** Applies to extend STA, parameters at variance.
- **580 WIBW KS Topeka** Applies to extend STA, night parameters at variance/lower power.
- **590** WKZO MI Kalamazoo Applies to extend STA, U1 5000/1250.
- **610 WXVA VA Winchester** Applies to extend STA, U4 500/125, all from day site.
- **680** WKAZ WV Charleston Applies to extend STA, U1 4800/68.
- **820** WWLZ NY Horseheads Applies to extend STA, U1 4100/250.
- **900 WNMB SC North Myrtle Beach** Applies to extend STA, D1 50 from temporary longwire.
- **960** KOVO UT Provo Applies to extend STA, U1 5000/250.
- 980 WAAV NC Leland Applies to extend STA, U2 4000/4000.
- **1090 KAAY AR Little Rock** Applies to extend STA, U1 50000/10000.
- **1210 KOKK SD Huron** Applies to extend STA, parameters might be at variance.
- 1230 KRRF UT Murray Applies to extend STA, U1 20/20, temporary antenna.
- **1320 KSDT CA Hemet** Applies to extend STA, U1 50/50, temporary antenna.
- 1440 KPUR TX Amarillo Applies to extend STA, parameters at variance.
- **1460 WKHZ MD Easton** Applies to extend STA, day parameters at variance.
 - **KLTC ND Dickinson** Applies to extend STA, CP of U2 5000/77.
 - **KARR WA Kirkland** Applies to extend STA, U1 250/250, temporary longwire.
- 1500 WMNT PR Manati Applies to extend STA, temporary antenna.
- 1550 WRHC FL Coral Gables Applies to extend STA, U1 1800/125, temporary antenna.

SILENT STATIONS

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

890 KMJE CA Olivehurst – Silent Oct. 9 (2016), on the air Oct. 24 (2016), inclusion on the FCC silent list was erroneous (as we have been noting).

- 920 KKGX CA Palm Springs Silent (as KPSI) Aug. 12 (2016), on the air Mar. 9.
- 1340 KWXY CA Cathedral City Silent Aug. 12 (2016); on the air Mar. 9.
- **1490 WSYL GA Sylvania** Silent Mar. 23 (2016); on the air Mar. 18 at 1448 ELT.

Stations informing the FCC that they are silent:

- 940 KCOE OR Bend Silent Mar. 29, has lost licensed tower site.
- 1080 WONS KY Cannonsburg Silent Mar. 28, pending station sale.
- 1320 KFNZ UT Salt Lake City Silent Feb. 27, pending possible station sale.
- **1370 KFRO TX Longview** Silent Mar. 2, transmitter failure.
- 1470 WCHJ MS Brookhaven Silent Mar. 29, storm damage.
- **1550 KRZD MO Springfield** Silent Dec. 1 (2016), tower has been dismantled and will apply for CP soon to move to a new location.

COORDINATE CORRECTION

- **1140 WBXR AL Hazel Green** CP to correct coordinates to 34-57-11/86-38-42 is on the air.
- 1320 WCVR VT Randolph CP to correct coordinates to 43-56-15/72-38-11 is on the air.
- **1520 WQCT OH Bryan** CP to correct coordinates to 41-28-40/84-34-42 is on the air.
- **1570 WKBH WI Holmen** CP to correct coordinates to 43-55-25/91-16-14 is on the air.

CANADA

- **540 CBMM QC Senneterre** LPRT applies to move to 101.7 MHz FM.
- **650 CBF-3 QC Lebel-sur-Quevillon** LPRT applies to move to 94.9 MHz FM.
- 710 CBF-1 QC Senneterre LPRT applies to move to 95.9 MHz FM.
- **860 CBDI NT Fort Smith** LPRT granted CP to move to 97.9 MHz FM.
- 990 CBDW NT Norman Wells LPRT applies to move to 99.9 MHz FM.
- **1010 CBEH ON Terrace Bay** LPRT would shut down if CBLM-1090 application is approved.
 - **CBLW ON White River** LPRT granted CP to move to 97.9 MHz FM.
- **1070 CBUU BC Clinton** LPRT applies to move to 98.9 MHz FM.
- **1090 CBLM ON Marathon** LPRT applies to move to 107.5 MHz FM.
- 1170 CBUX BC Port Alice LPRT granted CP to move to 92.3 MHz FM.
- **1230 CBMK QC Lebel-sur-Quevillon** LPRT applies to move to 92.7 MHz FM.

NRC AM Log updates

- 550 WAYR FL Fleming Island Adds // W277DE-103.3. (FCC)
- **560 WGAN ME Portland** Slogan & Group to // Newsradio WGAN. (TF)
 - WJLS WV Beckley Adds // W281AJ-104.1. (FCC)
- 610 WXVA VA Winchester Format to AC/OLD (ex-Rock/OLD); slogan to "102.9 Valley-FM."
- 620 WDAE FL Saint Petersburg Slogan to "Tampa Bay's Sports Radio." (TF)
- 640 KTIB LA Thibodaux Networks to WW1/Ing; adds // K279CU-103.7. (FCC)
- 690 WELD WV Fisher Format to OLD (ex-Rock/OLD); slogan to "690 Good Time Oldies." (TF)
- 730 KDBI ID Boise Format to SS:MEX (ex-SPT); slogan & Group to // La Gran D 106.3. (FA)
- **740 KVFC CO Cortez** Networks to Fox/TRN/Ru/P/DR/WW1/C2C.
- **750 KMMJ NE Grand Island** Adds // K282BR-104.3. (FCC)
- **770 KTTH WA Seattle** Adds // K233BU-94.5. (FCC)
- **780** KCEG CO Fountain Adds // K286CO-105.1. (FCC)
 - WTME ME Rumford Format to SPT (ex-REL/TLK); slogan to "Sports Time," nets to Ns.
- **790 KJRB WA Spokane** Format to Rock/OLD (ex-NOS); slogan to "94.1 The Bear," drops nets, adds // K223BD-94.1.
- 800 WLAD CT Danbury Slogan to "News Talk Sports," adds // W231DJ-94.1. (FCC)
- 840 KSWB OR Seaside Format to Rock/OLD (ex-OLD); slogan to "Radio Clatsop."
- 870 WKAR MI East Lansing Adds // W233CH-94.5. (FCC)
- **890 KMJE CA Olivehurst** Adds // K284CM-104.7. (FCC)
- **910 WAKO IL** Lawrenceville Format to C&W (ex-AC/OLD); slogan to "The Legend," adds // W257DW-99.3; drops // WAKO-FM-103.1.
- 920 KKGX CA Palm Springs Adds // K256CU-99.1. (FCC)
 - WTCW KY Whitesburg Adds // W236CS-95.1. (FCC)
 - **KVEL UT Vernal** Slogan to "NewsTalk," networks to SRN/Ru/P/FSR/C2C. (HS)
- 930 WKCT KY Bowling Green Adds // W281BV-104.1. (FCC)
 - WKY OK Oklahoma City Format SS:SPT (ex-SS:MEX); drop slogan; nets to ESPD. (GH)

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950 WZKD AL Montgomery – Format to UC:AC (ex-NOS); slogan to "Big KD 94.1," adds
                  // W231DF-94.1; delete Group // The Big Station.
     KCAP
             MT Helena – Networks to A/Ru/P/CM/C2C. (HS)
970 WZAN ME Portland – Slogan to "The New 101 5, 9-70 ESPN." (HS)
                  Chester – Slogan to "Classic Country, The River Region's Legends."
980 KSGM IL
     WITY
                  Danville – Format to AC/TLK (ex-NOS/Farm).
             UT Richfield - Networks to C/Mt/Ru/P/WW1/CMP/LCL. (HS)
     KSVC
             CA Santa Barbara – Adds // K250BS-97.9. (FCC)
990 KTMS
             WV Berkeley Springs – Format to Rock/OLD (ex-C&W); slogan to "Max 92.9," adds
1010 WCST
                  // WXDC-92.9.
1020 KMMQ NE Plattsmouth – Adds // K258DC-99.5. (FCC)
1050 KGTO OK Tulsa – Slogan to "99.1 & 1050 Heart & Soul," "The Pulse of the City."
1080 KSCO
             CA Santa Cruz – Adds // KOMY-1340.
1110 WMVX NH Salem – Format to Rock/OLD (ex-TLK/Brokered); slogan to "Valley 98.9
                  Merrimack Valley's Greatest Hits," drop networks.
             OR Eugene – Adds // K229DC-93.7. (FCC)
1120 KPNW
1140 KLTK
             AR Centerton – Adds // K260CS-99.9. (FCC)
     WRMQ FL
                 Orlando – Group to // Rejoice 103.7.
     KYOK
             TX Conroe – Adds // K222CX-92.3. (FCC)
             WI Chippewa Falls - Format to UC:OLD (ex-OLD); slogan to "95.9 Jamz," adds
1150 WEAQ
                  // W240DC-95.9.
1200 KFNW
             ND West Fargo – Networks to SRN. (HS)
             CA Pomona – Slogan & Group to // ESPN Deportes LA.
1220 KTMZ
                  Jacksonville - Adds // W270CD-101.9. (FCC)
     WKTZ
             FL
1230 KDAC
             CA Fort Bragg – Format to Rock/OLD (ex-SS:MEX); networks to WW1, Group to
                  // Greatest Hits on Earth; delete Group // La Máquina Musical.
     WONN FL
                  Lakeland – Slogan to "America's Best Music."
             MD Baltimore – Adds // W232CL-94.3. (FCC)
     WRBS
     WMQU MI Grayling – Slogan & Group to // Catholic Light For Northern Michigan. (BH)
     WYTS
             OH Columbus – Slogan to "Kiss 105.3."
     KADH UT Murray – Delete slogan; delete // KFNZ-1320.
1240 KNRY
             CA Monterey – Deletes // KSUR-1260.
                  Saint Augustine – Networks to C/Fn/Ing/DR/Ru/Mt/C2C. (TF)
     WFOY
             AZ Willcox – Adds // K251CG-98.1. (FCC)
1250 KHIL
     KLLK
             CA Willits – Format to Rock/OLD (ex-SS:AC); networks to WW1; Group to
                  // Greatest Hits on Earth; delete Group // La.Máquina Musical.
1260 KSUR
             CA Beverly Hills – Format to OLD (ex-CLA); slogan to "K-Surf," drops // KNRY-
                  1240; drops networks.
1270 KXBX
             CA Lakeport – Format to Rock/OLD (ex-NOS).
1280 WHVR PA Hanover – Format to Rock/OLD (ex-C&W); delete slogan.
1290 KALM MO Thayer – Adds // K279CT-103.7. (FCC)
     WOMP OH Bellaire – Adds // W261DH-100.1. (FCC)
1300 WKQK FL Cocoa Beach – Slogan to "Radio of the Arts." (TF)
1330 KWKW CA Los Angeles – Slogan & Group to // ESPN Deportes LA.
1340 KOMY CA La Selva Beach – Slogan to "News Talk Radio," networks to C/Ru/C2C; adds
                  // KSCO-1080.
     KRMD LA Shreveport – Slogan to "The Ticket 100.7," networks to CS/Jr.
     WBNC
             NH Conway – Format to AC/EZL (ex-Tourist); slogan to "Easy 95.3." (TF)
1350 KRAP
             MO Washington – Adds // K296HA-107.1. (FCC)
             PA Waynesboro – Slogan to "1380 The Bull."
1380 WCBG
1390 WZHF
             MD Capitol Heights – Slogan to "Fiesta 1390."
             CA Santa Paula – Adds // K273CT-102.5. (FCC)
1400 KUNX
     KUKI
             CA Ukiah - Format to Rock/OLD (ex-SS:AC); networks to WW1; Group to
                  // Greatest Hits on Earth; delete Group // La Máquina Musical.
     WGIN
             ME Biddeford – Slogan & Group to // Newsradio WGAN. (TF)
1420 WKWN GA Trenton – Adds // W291CF-106.1. (FCC)
             MN Mankato – Slogan to "Information Radio." (HS)
     WAMV VA Amherst – Slogan to "The Home of Mountain Gospel." (TF)
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WA Centralia-Chehalis – Adds // K263BS-100.5. (FCC)

VA Blackstone – Slogan to "Oldies 93.9 & V-1440." (HS)

CA Sacramento – Adds // K251CA-98.1. (FCC)

1450 WHTC MI Holland – Adds // W259CO-99.7.

KITI

1430 KJAY

1440 WKLV

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WYHL MS Meridian – Format to SPT (ex-UC:GOS); networks to FSR.
     WIZS
             NC Henderson – Slogan to "Your Community Voice."
1470 WPNS
             AL Evergreen – Format to NWS/TLK (ex-NOS).
     WTTR
             MD Westminster – Adds // W272CX-102.3. (FCC)
1480 WERM AL Mobile – Format to NOS (ex-UC:GOS); delete slogan.
             WY Torrington – Slogan & Group to // The Valley's Best Country. (FCC)
1490 KGOS
1550 WJIL
                  Jacksonville – Format to NWS/TLK (ex-OLD); slogan to "Talk Radio," networks
                  to Fox/Ru/P/Mt; delete // W275BM-102.9.
             WA Vancouver – Slogan to "America's Best Music," "Sunny 1550." (HS)
     KKOV
             VA Rocky Mount – Adds // W283CQ-104.5. (FCC)
1570 WYTI
     WPPC
             PR Peñuelas – Slogan to "Felicidad 1570."
1580 WLIM NY Patchogue – Format to Polish (ex-ETH); Group to // Polskie Radio.
1590 KVGB KS Great Bend – Adds // K249FA-97.7.
     WAKR OH Akron – Slogan to "News Talk Sports." (HS)
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Group Name Change

// La Máquina Musical becomes // Greatest Hits on Earth – KUKI-1400, KLLK-1250, KDAC-1230

Group Updates

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// Catholic Light For Northern Michigan – Adds WMQU-1230 Grayling (BH)

// La Estación de la Familia – Adds K276GE-103.1 Notus

// Polskie Radio – Adds WLIM-1580 Patchogue

// The Shepherd – Adds W242CS-96.3 Gainsville
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New Groups

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// ESPN Deportes LA – KWKW-1330, KTMZ-1220, K264CQ-100.7

// La Gran D 106.3 – KDBI-FM-106.3, KDBI-730, K243BM-96.5 (FA)

// Newsradio WGAN – WGAN-560, WGIN-1400, W288CU-105.5 (TF)

// Rejoice 103.7 – W279CO-103.7, WRMQ-1140, W258CX-99.5

// The Valley's Best Country – KGOS-1490, KERM-98.3, K260DA-99.9
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Deleted Group

// The Big Station

From Radio Insight:

BIA/Kelsey has released its annual report on radio station revenues.

For the sixth time in the past seven years Hubbard Radio News 103.5 WTOP Washington DC holds the title of the top revenue generator in the nation. WTOP's projected \$67.5 million in revenue rose from \$65 million in 2015, however the radio industry as a whole remained flat around \$14.1 billion.

The top 4 remained consistent in place from the year before. iHeartMedia CHR 102.7 KIIS-FM Los Angeles (The only other station to lead the rankings this decade) holds steady at #2 with a slight revenue rise from \$65 million to \$65.9 million. iHeart sister CHR "Z100" 100.3 WHTZ Newark NJ holds steady at third with \$48 million, down slightly from \$48.4 million. CBS Sports 660 WFAN/101.9 WFAN-FM New York remains fourth at \$46.5 million down a bit from \$47 million.

CBS News 780 WBBM/105.9 WCFS Chicago rises from sixth to fifth with \$45 million in revenue up from \$43.8 in 2015. iHeartMedia Hot AC "104.3 My-FM" KBIG Los Angeles rises to a sixth place time at \$44 million from \$42.9. It ties with CBS News 880 WCBS New York, which dropped from fifth as revenue slid to \$44 million from \$45 million. The rest of the top ten rankings stayed the same with iHeartMedia AC "106.7 Lite-FM" WLTW New York rising to \$42 million from \$40 million, CBS News 1010 WINS New York showing a slight gain to \$40 million from \$39.5 million, and iHeartMedia Talk 640 KFI Los Angeles up to \$38 million from \$37.8 million.

From Radio Insight:

FCC Commissioner Michael O'Rielly said the following about the current ownership limits.

"Another issue of interest in the broadcasting area is the FCC's outdated media ownership limits. I accept that only some of you may care about media ownership, but I contend that you all should. Artificially limiting your ability to buy or sell radio stations or combine with television or newspapers affects the valuation of your stations, raises the cost for debt, prevents the exploration of market synergies, and keeps you from best serving your communities. I am not going to suggest that consolidation or aggressive purchasing in your market is appropriate. But, preventing you from even considering such deals is harmful to the long term health of your stations. In the radio sphere, keen interest has focused on the AM/FM subcap limit, which is a part of the Local Radio Ownership Rule.

Specifically, our subcap limits prevent any one entity from owning more than a subset of AM or FM stations in a market, with the number dependent on how many stations there are in that market. I suggest to you that the radio industry and others have made a compelling case that these limits no longer make any sense. While we need to look at raising the overall ownership caps within a market, there is little reason to maintain the subcaps. For some to argue that AM and FM are completely separate and distinct mediums ignores the reality that all media modes, including streaming, satellite and social media, are fighting for the same audience and the same advertising dollars. If the Commission believes that your only competitor is the man or woman sitting next to you, it is sadly mistaken. Essentially, every content distributor is part of one big marketplace. That's great for consumers, but it means we are imposing discriminatory and harmful limitations on your businesses' ability to compete.

Others will argue that the subcap limits keep existing stronger and larger AM station owners from selling and shifting to FM stations. In other words, the argument is that subcaps force radio owners to buy what some perceive as the weaker technology AM stations because they are maxed out on FM stations in a market. Even if this was once true, the Commission's AM radio revitalization efforts, especially giving AM operators the ability to obtain and use FM translators, have curtailed or completely eliminated this distinction by improving the ability of AM radio stations to cover and serve markets.

Moreover, even if bigger AM owners exited, opting for FM stations, it would only increase the chances for new entrants, like Hispanic radio and others, to serve diverse and niche populations. Since minority ownership has been one of the biggest obstacles to modernizing our media ownership rules in the eyes of some, isn't this potentially a good thing?

Thanks to Shawn Axelrod, Bill Hale (BH), Ernie Wesolowski, FCC Database (FCC), Tony Fitzherbert (TF), Terry Krueger, Frank Aden (FA), Glenn Hauser (GH), and Håkan Sundman (HS).

From the *DX News* archives

Compiled by Ron Schiller.

75 Years Ago – From the April 12, 1942 issue of *DX News*: NY's Grant Batson heard KGFL-1400's frequency check (100 watts); its verie made NM 100% in his log! Only a six-page bulletin. Gas rationing (WWII) is starting in some Eastern states & brings concern about getting to the annual NRC Convention. CBJ-1580 is on the air with 250 watts per states.

concern about getting to the annual NRC Convention. CBJ-1580 is on the air with 250 watts per Al Bartholomew.

50 Years Ago – From the April 22, 1967 issue of *DX News*: Front page editorial of sorts lamenting WFMJ-1390 OH's complaints about incorrect reception reports & NRC's efforts to correct the problem with the help of NRC Publisher John Callarman. Delaware's WDEL-1150 was caught at s/on by St Louis' Dave Carlson. New member "R. S. Station" reported in from Richmond, IN. The Supremacy Ratings Best Oceania catches: MD's Hank Holbrook 2LT-1370 200 watts & Ontario's Bill Stone with the similarly powered 2DU-660!

25 Years Ago – From the April 13, 1992 issue of *DX News*: Charles Reh, also of Ontario logged his 60th Oklahoman via KADA-1230's DX Test from Ada. He also IDed KGFW-1340 Kearney, NE on their test! The Harbor Light, Grenada station on 1400 (5 kW) reported in the UK. Tops in Domestic DX Achievements: Kermit Geary (PA), Ernie Cooper, Sid Steele (IL), Frank Wheeler (PA) & NE's Carl Dabelstein.

10 Years Ago – From the April 16, 2007 issue of *DX News*: 48-page Bulletin! Rocco Cotroneo detailed a DXPedition from an island off of Brazil. Among his juicy catches: Nigeria-638, Reunion-666, Serbia-1107, Moldova-1548, and Taiwan on 3 freqs, China 1134/1377, India-1566, Cyprus 1233/1323, Armenia 1377, Oman-1413, Jordan-1494, Botswana 558/648, and Kenya-1107 & Ascension Island-1485.

Unreported Domestic Stations

One station – WBEC-1420 – was reported to DDXD this issue for the first time since at least 1999-2000 (Volume 67). Another station on our unreported list, WGPC-1450, is now defunct. So that leaves 424 currently licensed stations on our unreported list for this period. The full list was last printed in issue 83-19. Can you hear one and report it next time?

Domestic DX Digest – East

Mike Brooker, 99 Wychrest Avenue, Toronto ON M6G 3X8 (Canada), <u>patria1818@yahoo.com</u> For loggings of U.S. and Canadian stations by DXers in Eastern/Atlantic time zones

All times are <u>Eastern Local Time</u> (ELT)

REPORTERS

BC-NH Bruce Conti, Nashua – Excalibur SDR, MWDX-5, variable termination SuperLoop antennas 50 x 60-ft at 60° northeast and 50 x 75-ft at 180° south.

HF-MI Harold Frodge, Midland – Drake R8B + 185' & 60' RW + 125' bow-tie

JK-WV Joe Kremer, Bridgeport – ICOM IC-7300, HQ-180A, 18' vertical

KK-VA Kraig Krist, Manassas – Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop

TLK-FL Terry Krueger, Clearwater – NRD-535, IC-R75, ICF-7600GR, roof dipole, active loop

RJS-OH Bob Schroeder, Cincinnati – C Crane Skywave, CCRadio2E, Super Select-A-Tenna with outdoor long wire

PS-ON Paul Snider, Welland – ICOM R75, Pixel RF Pro-1B loop, MFJ-1020C tuner

MKB-ON Mike Brooker, Toronto – Grundig YB-400PE, Sony SRF-39FP, C Crane CC Skywave, Panasonic RF-2200.

Follow me on Twitter! **@patria1818** DX-related tweets will be hash-tagged #MWDX. Friend me on Facebook! **www.facebook.com/keval.mike**

BEACON/OIL RIGGER

--- Gulf of Mexico – 3/17 2045 – Pointing NNW, so presumably the Beacon Formerly Known As SAC, now in the mode of sending a 10-second ~400 Hz tone and pause, huge level atop the western side of the two I-275 Tampa noncompu male cycled "You are listening to the Florida Department of Transportation Highway Advisory Radio Station...This is WQQJ297,...in the event of a major incident... tune your radio to this station... dial 511 from your cell phone or go to www.FL511-dot-com..." Thanks Craig Cook, Oviedo, FL for the tip. (TLK-FL)

+++ - 4/1 0609 – Poor in CINA, WHKT, XEARZ and the local I-275 HAR co-channel with the current format of short then 10-ish second dash cycle, still pointing WNW. A tad stronger in the same hour the next day. Confirms the strong 1650 identical format dasher beacon in Euro waters being reported isn't this transmitter, relocated. (TLK-FL)

UNID

-- 3/26 0647 – Beatles "Hey Jude" starting at tune-in, fade, back in moments after 0700 with "Heart of Glass" by Blondie segued to "I Will Always Love You" by Whitney Houston, then lost to WFXJ and WLSS. Pointing north, and would have written it off as WMGR, Bainbridge, GA if not for a RadioInsight post stating this, along with sister station WSEM-1500, Donalsonville, flipped to Christian AC in January. Anyone else able to confirm? (TLK-FL)

1490 unID -- 3/17 0628 – In graveyard mix with male: "This is Al... ESPN... burg (as in a city name) 102.9 FM 14-90 AM. Your home for great sports." Searched the internet and unable to determine whom I heard. **(KK-VA)**

LOGGINGS

620 WTRP GA La Grange – 3/28 2320 – Long string of oldies beginning with "Don't Stop" by Fleetwood Mac. Thought for sure it was WKHB Irwin PA, but heard a clear "WTRP" ID by male announcer at 2332. Poor to very poor in station mix including WTMJ, WRJZ, WGCV and WSNR. **(PS-ON)**

730 WZMF PA Nanticoke – 3/27 2059 – Good; ID, "This is Gem 104, your home for the greatest hits of the '60s, '70s, and '80s, WGMF Tunkhannock-Scranton, WZMF Nanticoke-Wilkes Barre, Gem 104," and jingle, "WGMF northeast PA." **(BC-NH)**

790 WAEB PA Allentown – 3/18 0755 – Over all comers with brokered infomercial: go to myresqproducts.com/WAEB or /WHP for 35% discount on this particular snake oil. **(MKB-ON)**

840 WCEO SC Columbia – 3/26 0607 – This D1 local sunrise/sunset 50 kW in blatant violation and nearly local level, obliterating WHAS and all others, with nonstop Mexi-



tunes except for occasional "8-40 La Raza" drops between songs. Sunrise in Columbia today was 7:19 a.m. Also noted 4/1 0651 – Still blatantly violating their D1 and smacking WHAS and Cuba silly with Mexi-tunes. (TLK-FL)

+++ - 3/26 0600 – Over WHAS; ID in Spanglish, "WCEO 840... Columbia, South Carolina, es la Raza... la Raza 840," and Mexican music. (BC-NH)

880 WRRZ NC Clinton – 3/26 0600 – Under WCBS; "WRRZ... Radio Nueva Vida." (BC-NH)

950 WAKM TN Franklin – 3/20 2146 – "80's Mercedes" by Maren Morrison, ID at 2149 by Nikki the DJ "AM 950 WAKM," into "Your Man" by Josh Turner. Fair at times over WWJ to very poor. // Tune In stream. (PS-ON)

960 WGRO FL Lake City – 3/18 0005 – Surely the one with the usual train wreck of Oldies vs. Classic Rock. Van Halen "Is It Love" segued to Gino Vanelli "I Just Want To Stop" then into AC/DC "Girls Got Rhythm." Co-channel WFIR and WERC. Gerry Bishop confirms WGRO is on, but weak when passing daytime closest to on US-19 in the Florida big bend panhandle area. (TLK-FL)

WFIR VA Roanoke – 3/18 0002 – ABC News, ID in co-channel. (TLK-FL)

980 WDVH FL Gainesville – 4/1 0721 – Ad for someone "on Highway 19" with 352 area code, promo for the simulcast 94.1 FM, "My Maria" actually decent cover of the original BW Stevenson song, by Brooks & Dunn. Great video for this if you've never seen. Slight Cuba COCO co-co-channel. (TLK-FL)

1020 WHDD CT Sharon – 3/31 1859 – Good; promo, "...at BBC World Service dot com," and ID, "Robin Hood Radio is WHDD AM and FM Sharon, WBSL-FM Sheffield, and WLHV-FM Annandale-on-Hudson." (BC-NH)

1070 KNX CA Los Angeles – 3/17 0732 – Up briefly over otherwise dominating WFRF, with "KNX news time 4:32." WFRF totally dominating the next two mornings. **(TLK-FL)**

WFRF FL Tallahassee – 3/17 0700 – Accented male canned ID for 1070 and WTCL Chattahoochee on 1580 (simulcast) into Spanish gospel vocal. (TLK-FL)

WFNI IN Indianapolis – 4/2 2001 – Indiana Pacers NBA game call, Indiana University spot, Indiana Careers PSA. Mainly on top, but several challengers. No IBOC slop. (HF-MI)

KHMO MO Hannibal – 4/2 0001 – CBS News to 0005, "AM 10-70 KHMO" ID and local weather. Mainly on top; Latino also there. Need LSB due to IBOC hiss. (HF-MI)

WNCT NC Greenville – 4/4 1912 – Well on top over CHOK with "WNCT Greenville" ID into UNC v. East Carolina college baseball game. (HF-MI)

WINA VA Charlottesville – 4/1 2219 – City of Charlottesville PSA into Peter Greenberg show. Over NCAA game call (since Kentucky lost, I don't care.) Need LSB due to IBOC slop. Heard again about 0100 & IBOC hiss was gone. (HF-MI)

WTSO WI Madison – 4/2 2020 – Presumed with "100.9 FM" slogan and "Fox Sports" buried in the jumble. (HF-MI)

1090 KAAY AR Little Rock – 4/4 2120 – Bluesy gospel tunes to 2130 "10-90 KAAY" ID into "Born to Win" gospel program about the Garden of Eden; 2159 KAAY.com web promo into Brother Stair, which was // 5850-WRMI. Signal ranged from peaks to near zilch. **(HF-MI)**

1100 WZFG MN Dilworth – 4/5 0113 – Heard the unmistakable raspy voice of Alex Jones with The Alex Jones Show, local ads (Big Berkie Water Filters, an Easter basket company and others), "AM 1100 The Flag" weather forecast at 0130, more "The Flag" mentions and show promo. Poor to very poor, sometimes only just audible under WTAM. // to Tune In stream. (PS-ON)

1110 WGNZ OH Fairborn – 3/21 2243 – Tuned into gospel music, telephone conversation with listener, ad for Back Home magazine, weather "on WGNZ" at 2249, ad for septic service. Very poor under WBT. Been audible also for the last few nights since then. **(PS-ON)**

1130 WLBA GA Gainesville – 3/25 0625 – Presumed the one, pointing NNE, with nonstop Mexitunes, some WBBR and WWBF co-channel. Listed as "La Mejor" slogan. Same slogan as 1600 WOAS, though not parallel, so maybe just a coincidental slogan and not Mexi-Spanish satellite pickup net. (TLK-FL)

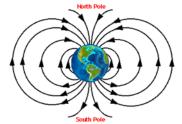
WPYB NC Benson – 4/1 0701 – Under WBBR; "...right here on WPYB, lifting up God and country," and country oldies. (BC-NH)

1160 WCVX KY Florence – 4/1 2152 – "Truth for Life Broadcast" gospel show, announcements of upcoming events at churches in Forest Park and Cincinnati, "Christian Talk 1160" slogan. Good with deep fades. (JK-WV)

- 1170 KBOB IA Davenport 4/5 0024 C&W songs by Conway Twitty, Blake Shelton, Cam, Alan Jackson, "Real Country" slogans at 0027 and 0031, talk by DJ about missing sporting events, Select Quote ad, Stop texts PSA, ID at 0040 "Davenport's Real Country 1170 KBOB." Poor to very poor under WWVA. // Tune In stream. (PSON)
- **1200 WMIR SC Atlantic Beach** 3/25 0659 Presumed with Urban Gospel nonstop, pointing NE, mostly over WOAI but no ID across the hour. **(TLK-FL)**
- **1240** WGBB NY Freeport 3/31 1900 Fair; "This is WGBB AM 1240 and W240DF FM 95.9 Freeport, New York, Chinese Radio." (BC-NH)
- **1250 WTMA SC Charleston** 3/25 1900 Poor, under local WGAM; ID ending with "...a Cumulus station." **(BC-NH)**
- **1260 WNXT OH Portsmouth** 3/26 0101 Fox Sports mentions and promos, sports talk, "Sportsmouth" slogan at 0116 during promo. Poor to very poor in station mix including WWRC and probably WPHB. **(PS-ON)**
- **1290 WWTX DE Wilmington** 3/19 0015 Presumed with sports talk, ads including one from Burger King, various Fox Sports Radio/Fox Sports mentions. Only Fox Sports Radio station on 1290 besides KCUB. Lost to various stations including CJBK, probably WFBG and unknown gospel station (WJCV?). Poor to very poor in station mix including WSAN and WWBG. **(PS-ON)**
 - CFRW MB Winnipeg 3/19 2256 Hockey Prospect Radio, ads and promos mentioning TSN, ID at 2304: "This is TSN Radio 1290, CFRW Winnipeg, the home of the Winnipeg Jets," back to show. Poor to very poor mostly under CJBK. (PS-ON)
- **1320 WGOC TN Kingsport** 3/27 0753 Fair to good with ads for Cave's Drugstore and Compounding Pharmacy and for Jack Miller Body Shop with lead in to local weather: "If the weather is lousy, Jack Miller Body Shop has nothing to do with it." "You're on the Tri-Cities Front Porch, WJCW and WGOC" ID. (JK-WV)
- 1330 WWRV NY New York 3/28 1941 Over usual pest WFNN with high-octane SS female preacher: "libre...libre...en Cristo!" mixing in several "Radio Visión" slogans. (MKB-ON)
 - **WYRD** SC Greenville 3/26 0200 Poor; ID for WYRD Greenville and WORD Spartanburg into ESPN Radio SportsCenter. (BC-NH)
- **1340 WLEW MI Bad Axe** 4/6 1553 C&W songs, "AM 13-40 WLEW Bad Axe Michigan" ToH ID into AP/WLEW Newsroom news with Nathan McLain, lead item was death of Don Rickles. Ad for Dan Braden Wolverine auto brokers. Well over splash from 1330 WTRX and weak co-channel QRM. **(HF-MI)**
- **1360 WDRC CT Hartford** 3/26 0700 Over WYOS; "Big D" jingle and oldies. "The Music Professor" hosts Big D oldies on WDRC AM Saturday and Sunday mornings. **(BC-NH)**
- **1380 WMLP PA Milton** 3/26 0700 Over WABH; "More Real Estate Today is coming up after Fox News Radio on Talk Radio 1380 WMLP Milton." **(BC-NH)**
- **1390 WJRM** NC Troy 3/26 0100 Through WZHF *Fiesta 1390*; "...Troy, North Carolina," and mention of WJRM Facebook page. New log. (BC-NH)
- **1410 WHLN KY Harlan** 3/14 0625 Adult Contemporary format. Call sign ID at 0625 into "Diamonds" by Rihanna. Faded during the song and gave way to KQV. **(RJS-OH)**
- **1420 WBEC** MA Pittsfield 3/26 2258 Caught mention of Massachusetts in promo, ToH ID after weather "on 1420 WBEC," possible news. Poor to very poor in station mix with WHK and WACK. (PS-ON)
 - WHK OH Cleveland 3/14 0635 local traffic, "More traffic reports here on 14-20, The Answer." (RJS-OH)
 - WCOJ PA Coatesville 4/1 2318 Call Me Catholic show talking about Habitat for Humanity in Orange County, EWTN mention at 2328, promo for a talk by a Holocaust survivor at Our Lady of Mount Caramel in Doylestown, Summers & Zimmer ad with mention of Holy Spirit Radio at 2329, back to show. Fair at times over usual WHK and WACK. (PS-ON)
- **1450 WPGG NJ Atlantic City** 3/17 0706 In multi-station mix with female "WPGG... news...WPGG." **(KK-VA)**
 - WPSE PA Erie 3/17 0609 In multi-station mix with male "This is Tom... WPSE..." (KK-VA)
 - **WMVA VA Martinsville** 3/17 0606 In multi-station mix (WPSE, WJPA, WPGG, WVAX and UNID NBC Sports) with male ID after the news: "14-50 WMVA... everyday..." New station for me. **(KK-VA)**

- **1470 WWNN FL Pompano Beach** 3/17 0703 In multi-station mix with ID as "Talk 14-70 is WWNN Pompano Beach and 95 3 FM W237BD Boca Raton. The health and wealth radio network." **(KK-VA)**
 - **WMBD IL Peoria** 3/17 2345 Faded up with ad for Peoria Men's Health and male implants. Station ID and back to "Ground Zero" with Clyde Lewis. **(RJS-OH)**
 - WTTR MD Westminster 4/1 2343 "I Wanna Dance with Somebody" by Whitney Houston, "The Locomotion" by Grand Funk Railroad, "The Greatest Hits of All Time WTTR" jingle at 2348 into "Marrakesh Express" by Crosby, Stills & Nash. Poor to very poor in station mix with WWBG, but mostly on top. (PS-ON)
 - WNYY NY Ithaca 3/23 1929 Over all comers with Procul Harum's "Whiter Shade of Pale, "your favorite oldies...on AM 1470 FM 94.1 WNYY" canned ID into "It's a Beautiful Morning" by the Rascals. Recent format flip from liberal talk. (MKB-ON)
 - +++ 3/23 1955 Fair to poor with "Soldier Boy" by The Shirelles, "Mr Lee" by The Bobbettes, "Pure Oldies WNYY" ToH ID into "Johnny B Goode" by Chuck Berry. (PS-ON)
 - WTOE NC Spruce Pine 3/17 0556 In multi-station mix (WSAN, WWNN, WMBD, WQXL, UNID SS and bluegrass stations) with "Good time oldies WTOE 14-70" slogan. New station for me. (KK-VA)
- **1480 WZRC** NY New York 3/17 0555 Presumed in multi-station mix (WPWC, UNID SS singing and EE talk stations) with Chinese talk. (KK-VA)
- **1490 WOHI** OH East Liverpool 3/17 0613 In mix of UNIDs (talk, oldies, ESPN and C&W stations) with station promo: "... get away from it all...right here. Classic hits "The Pickle." New station for me. (**KK-VA**)
- **1510 WWBC FL** Cocoa 3/24 0630 In WMEX/WLAC/WFAI mix with long-form ID: "You're listening to WWBC Cocoa, Melbourne, Titusville 15-10 AM as well as W234BI Cocoa, Rockledge and W264AS Rockledge, Melbourne and Palm Bay 100.7 FM." **(KK-VA)**
 - WFAI NJ Salem 3/24 0609 In WMEX/WLAC/WWBC mix with male "Faith 15-10" slogan. (KK-VA)
- **NC** Mocksville 4/5 2122 "He Was A Friend of Mine" by Eddie and Martha Adcock, Country Grass Show promo, more gospel music "Classic Country and Bluegrass Connection, WDSL" ID at 2129. Poor to very poor under WWKB. // Tune In stream. (**PS-ON**)
 - **WARR** NC Warrenton 3/24 0632 In WWKB/WDSL mix with station promo: "... and makes you feel all good inside. Gospel play only on your number one AM station WARR 15-20 AM in Warrenton North Carolina...where the community comes together." **(KK-VA)**
- **1540 KTGG MI Okemos** 3/22 1418 "Strong Tower Radio" slogan, low-key religious music. Announcements very tough to copy but caught the pre-ToH Strong Tower Radio spot. Weak and rare visitor here due mainly to CHIN daytime; nobody else evident. An erroneously assigned K-call to an unincorporated "City" of license with transmitter in a different city. What's not to like?! QSL'd a long time ago. **(HF-MI)** As I understand it, they got the K-call because of someone at the FCC thinking the city of license was in Montana, rather than in Michigan! Unlike KDKA or KYW, the call wasn't grandfathered from the 1920s. Mike.
 - CHIN ON Toronto 3/22 1837 Caught EE ID, "The multi-cultural voice of Toronto, C-H-I-N," into Chinese. Well over jumble. (HF-MI)
- **1550 WZUM PA Braddock** 3/31 0659 In multi-station mix (WRHC, CBEF, WITK, WMRE and UNID oldies station) with "... Pittsburgh's jazz channel... jazz band...WZUM Pittsburgh's jazz channel" ToH ID into news. New station for me. **(KK-VA)**
 - WITK PA Pittston 3/31 0731 In multi-station mix with station promo: "Listen to your favorite Christian programming 24 hours a day 7 days a week. Visit www.wilkinsradio.com." (KK-VA)
- **1560 WCNW OH Fairfield** 3/31 0616 In multi-station mix (WFME, WSBV, WKIK and UNID Spanish) with "You're listening to WCNW AM 15-60 Fairfield Ohio..." ID. New station for me. **(KK-VA)**
- **1570 WTWB FL Auburndale** 4/2 0639 Male "La Raza" slogan between Mexi-tunes. Fair and putting up a good fight against big border bro' XERF. Really on 13 watts night/psra power? **(TLK-FL)**

- **1580 WZKY** NC Albemarle 3/31 0724 In multi-station mix (CKDO, WGYM, WJFK and UNID Spanish) with male "We are AM stereo... WZKY and WSPC...AM..." station promo. (KK-VA)
- 1590 WCSL NC Cherryville 3/31 0600 In multi-station mix (WAKR, WFTH, WHGT, UNID religious talk). Somewhat confusing as WCSL is "Big O Country," but noted station promo: "Carolina Panther football right here on 'The Boss' WOHS Shelby WLON Lincolnton. Your beach oldies station" followed at 0601 by female with ad for "Shelby Fabrics." WCSL with oldies seeming to relay WOHS 100%? (KK-VA)
- **1600 WAOS GA Austell** 3/18 2339 Mexi-tunes, local level, so obviously once again on 20 kW day power instead of 67 watts night authorization. **(TLK-FL)**
- 1610 CHHA ON Toronto 4/1 0602 Tune-in to the last moments of "O Canada" then female canned "Voces Latinas" slogan, into English parody song. Nearly local level. (TLK-FL)
- **1630 KKGM TX Fort Worth** 3/17 0705 C&W-Bluegrass-ish gospel vocals, co-channel WRDW. No trace of the El Salvador station on various local morning checks. **(TLK-FL)**
- 169 WMLB GA Avondale Estates 4/1 2134 Fair to good with ads for Progressive Medical Center (.com), and for Fripp Island Resort (.com), "Voice of the Arts" slogan. (JK-WV)
 - WPTX MD Lexington Park 4/1 0620 Tune-in to the late Chuck Berry's "Maybeline" which was WMLB, but also "Swayin' To the Music (Slow Dancing)" by Johnny Rivers overtaking, then male canned "The music you love... right here on WPXT." Into Atlanta Rhythm Section "Spooky" segued to Anita Baker "Giving You the Best I Got" then "Nutbush City Limits" Ike & Tina Turner. The first MD station heard from this QTH, I believe. WBAL-1090 was heard from Casselberry and remote visits to St. Augustine, but not here. In the next day, same hour atop WMLB. Gotta be running day power, the SOP for most stations these days I suppose. (TLK-FL)
 - CHTO ON Toronto 3/18 0734 Greek male babble, into Greek vocals. Parallel station stream. Good, but mostly under WMLB. (TLK-FL)



Geomagnetic Indices

Geomagnetic Summary March 2017

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

Г	Date	Flux	A	K	Space Weather		16	71	6	1	no storms
C	3/ 1	81	36	6	moderate, G2		17	71	4	2	no storms
	2	79	32	3	minor, G1		18	70	2	1	no storms
	3	78	33	1	minor, G1		19	71	2	1	no storms
	4	<i>7</i> 5	22	4	minor, G1		20	73	2	0	no storms
	5	73	16	4	no storms		21	71	26	4	minor, G1
	6	72	25	4	minor, G1		22	73	27	5	minor, G1
	7	72	16	3	no storms		23	72	11	1	no storms
	8	71	10	3	no storms		24	72	6	0	no storms
	9	71	15	2	no storms		25	74	4	1	no storms
	10	71	12	2	no storms		26	77	4	1	no storms
	11	70	6	3	no storms		27	83	54	5	moderate, G2
	12	70	9	1	no storms		28	84	32	3	minor, G1
	13	70	3	0	no storms		29	83	21	3	no storms
	14	70	4	1	no storms		30	86	23	5	minor, G1
	15	70	7	3	no storms		3/31	36	23	5	minor, G1
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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

Domestic DX Digest – West

Jim Tedford, 20310 Bothell-Everett Hwy. B4, Bothell WA 98012-8133, **Radio_Enthusiast@hotmail.com**For loggings of U.S. and Canadian stations by DXers in Central/Mountain/Pacific time zones
All times are <u>Eastern Local Time</u> (ELT)

REPORTERS

GH-KS Gary Houdek. Munden, KS. GE Superadio.

GH-OK Glenn Hauser, Enid, OK. Mostly DX-398 with internal antenna only; NRD-545 with ALA-330S E-W inside or N/S random wire; IC-R75 with E-W longwire; also PL-880 with internal or random wire; Nissan stock car radio when specified. Glenn's complete reports, with extensive commentary, are originally published in *DX Listening Digest*.

JJR-WI John J. Rieger, South Milwaukee, WI. Icom IC-R75 MFJ-959B tuner, preamp Kiwa loop JR-OK John Reed, Shawnee, OK. NRD-525, Brigantina+AR7030; Homebrew tuned ferrite loops, Clifton Labs active whip, phaser.

JW-CONJ-AZJohn Wilkins, Wheat Ridge, CO. Drake R-8, 4-foot box loop.NJ-AZNancy Johnson, Mesa, AZ. Drake R8B, Wellbrook ALA1530LNP

RD-NE Rick Dau, South Omaha, NE. Sony ICF-2010, Grundig AN-200 antenna.

SMA-MB Shawn M. Axelrod, VE4DX1SMA, VEPC4SW, Winnipeg MB. Icom ICR70 / Drake R8; 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.

DX Logs

- 570 WSYR NY Syracuse 3/17 0642 Poor; "NewsRadio ... WSYR." No sign of WNAX. (JJR-WI)
- **600 KOGO CA San Diego** 3/31 0827 Ads, PDT time check, ID as "NewsRadio 600 ko-go," then back to *San Diego's Morning News* with Ted Garcia and LaDonna Harvey. Surprisingly good in KCOL null. **(JW-CO)**
- **630 CFCO ON Chatham** 3/12 0000 ID as "Country Connection CFCO." Good signal. 0012 Song: "Take It Easy." ID as 92.9, 630 CFCO. (**GH-KS**)
- **660 WFAN NY New York** 3/25 0130 Very good with ads for Steamfitters Local Union 475 and Nielsen Dodge-Chrysler-Jeep-Ram. No ID heard, but thankfully Google said that both of these are located in north Jersey, which points directly to WFAN. **(RD-IA)**
- **690 WZAP VA Bristol** 3/18 0718 Poor; WZAPradio.com, 10,000 watts of power. To advertise: 276-XXXX-6950. Logged in 1971. Not heard in while. Nice to hear. (**JJR-WI**)
- **710 WAQI FL Miami** 3/27 2027 Poor but steady. Alone, with Radio Mambi very clearly said. (JJR-WI)
- **740 KNFL ND Fargo** 4/4 1155 Good signals with NBC Sports Radio. Full ID on the top of the hour with KNFL 740 Fargo ND The Fan. Ex-KVOX. **(SMA-MB)**
- **740 KRMG OK Tulsa** 3/25 0034 Good with ad for Tulsa Gold & Silver in local stopset. OK #6 at this QTH. **(RD-IA)**
- **790 KURM AR Rogers** 3/17 2359 Atop with clear sign-off announcement, including mention that they begin their broadcast day on the weekdays at 5:00 and on Saturdays and Sundays at 6:00. No SSB heard. Not a new logging, but always nice to hear a sign-off on a regional channel in this day and age. **(RD-NE)**
- **790 KABC CA Los Angeles** 3/23 0756 "This is NBC-4 Today in LA on Talk Radio 790 KABC." Fair in QRM. **(JW-CO)**
- **800 WVHU WV Huntington** 3/28 0805 Poor, alone. Call, talk show, chat with ??? from Kentucky and new businesses in area. Huntington borders Kentucky; assumed. (JJR-WI)
- **800 CKLW ON Windsor** 3/25 0027 Good with call-in program *On Call Radio,* which was hawking some men's health products. Confirmed by webstream. **(RD-IA)**
- 820 WWBA FL Largo 3/29 0653 Poor; from the Morgan & Morgan studios ... Bubba the Love Sponge. LID @:00. Atop, steady! (JJR-WI)
- **830 WTRU NC Kernersville** 3/28 0800 Fair with REL, LID for AM, FM translator. No WCCO. (JJR-WI)
- 840 WHAS KY Louisville 2/19 2305 ABC news; station ID, then into old program with Art Bell, originally broadcast 6/23/1997. (GH-OK)
- **840 KVJY TX Pharr** 2/24 0800 On top with ID KJAV Alamo, KVJY Pharr ... Ultra 104.9 and 840 AM." Quickly faded under KXNT. New logging. **(NJ-AZ)**

- 900 CKBI SK Prince Albert 3/25 0652 Poor; steady. Web address, Saskatchewan Country 900 CKBI. First time heard this season (in either So. Milwaukee or L'Anse, MI!) Still in 40 minutes later. (JJR-WI)
- 910 WFDF MI Farmington Hills 3/25 0159 Good with "... 910 AM Superstation ..." heard during legal ID. First time I've heard this since the CoL changed from Flint. (RD-IA)
- **920 WMPL MI Hancock** 3/24 2221 Very good with CLs noted in promo for Coast-To-Coast AM. **(RD-IA)**
- **930 WBEN NY Buffalo** 3/25 0202 Very good with "From the WBEN Newsroom ..." heard at the start of newscast. NY #9 at this QTH. **(RD-IA)**
- 950 WWJ MI Detroit 3/24 2140 Good with mention of "WWJ" in ad for Detroit-area Chevy dealer. (RD-IA)
- 980 WTEM DC Washington 3/25 0800 Poor; "ESPN Washington," LID for AM plus FM translators. Alone. (JJR-WI)
- **980 KSGM IL Chester** 3/24 2236 Good with C&W music, ID: "The legends play here ... the greatest country music of all time ... KSGM ..." **(RD-IA)**
- **980 WPFP WI Park Falls** 3/24 2232 Fair with CLs in promo for *The Costa Report* on Sunday mornings, although I can't find that program listed on WPFP's website. **(RD-IA)**
- 990 KFCD TX Farmersville 3/26 0132 Weak under CBW with religious talk in Spanish by male, interrupted occasionally by brief classical music interludes of about 5-10 seconds each. Confirmed by webstream. TX #4 at this QTH. No sign of XET. (RD-IA)
- **1010 WKJW NC Black Mountain** 3/25 0754 Poor; clear "WKJW," USA news. "Christian 1010" weather for mountains & Foothills. LID. (JJR-WI)
- **1020 KCKN NM Roswell** 3/26 0204 Good under KDKA on presumed day power with two males chatting in Spanish. Confirmed by webstream. NM #1 and state #30 at this QTH. **(RD-IA)**
- **1050 KLOH MN Pipestone** 3/24 2202 Fair with "Blazin' Country 1050 KLOH" heard at the end of weather forecast. MN #9 at this QTH. (**RD-IA**)
- **1050 KGTO OK Tulsa** 3/9 1750 Good signal. IDs as "99.1 and 1050 Heart and Soul" along with "The Pulse of the City." **(JR-OK)**
- **MN Minneapolis** 3/24 2131 Good with ad for Minnesota Construction Law Services. Gave phone # of 651-484-4412, which matches what I found online for them. **(RD-IA)**
- **1140 WRVA VA Richmond** 2/17 2330 Talk program, the WRVA ID, Fox news, then weather. Fair signal. **(GH-KS)**
- **1140 CHRB AB High River** 3/23 0900 Out of C&W with nice ID at 0900:30: "AM 1140 is CHRB High River, Golden West, connecting communities" and into news. Good signal, on top. **(JW-CO)**
- 1180 WHAM NY Rochester 2/14 2325 Talk program, ID as WHAM. Very seldom heard here. (GH-KS)
- **1220 WSLM IN Salem** 3/25 2306 Fair under WHKW with discussion about that day's Indiana State High School Basketball Tournament championship games. IN #8 at this QTH. (**RD-IA**)
- **1220 WHKW OH Cleveland** 3/25 0017 Fair with "... Join the treasure hunt ... AM 1220, The Word" heard in liner. **(RD-IA)**
- **1230 WXCO WI Wausau** 3/25 0752 Poor. "Good times, Cool oldies, WXCO." Atop at 40/9. Never in this well. **(JJR-WI)**
- **1240** KBIZ IA Ottumwa 3/30 0728 Poor; "tonight on 104.3 KRKN" (sister station). Atop then gone. (JJR-WI)
- 1240 KJCR MT Billings 3/11 0859 Legal ID with child's voice at 0859:50: "KJCR Billings Catholic Radio is a listener-supported radio station." Fair, mixing with several. (JW-CO)
- **1240** KCCR SD Pierre 3/11 0859 Man with LID: "... central South Dakota's sports authority 1240 KCCR Pierre." Fair, mixing with KJCR and others. (JW-CO)
- **1240 KASL WY Newcastle** 3/22 0915 Weather for Wyoming and western South Dakota; school lunch menu; area birthdays. Fair in the mix. **(JW-CO)**
- **1250 KHIL AZ Willcox** 4/1 0831 ID by man: "K-hill, serving the home of Tanya Tucker, Willcox, Arizona, since 1961," and into old C&W, really old stuff from long before Tanya was born. Fair with not much QRM. **(JW-CO)**

- 1250 KIKC MT Forsyth 3/31 0929 Weather summary, including temperature records for the date and forecast for southeast Montana; into C&W music at 0931. Fair signal. (JW-CO)
- **1300 WOOD MI Grand Rapids** 3/25 0259 Good with mention of "Newsradio 1300 and 106.9 FM" heard in legal ID. Couldn't make out the CLs, but this is the only 1300/106.9 combo I could find. MI #12 at this QTH. **(RD-IA)**
- 1310 KLIX ID Twin Falls 3/26 2300 ID "Newsradio 1310 KLIX Twin Falls, Idaho." Good through nulled local KIHP. New logging. (NJ-AZ)
- **1320 KIFM CA West Sacramento** 3/26 2215 ESPN programming, 0900 "KIFM West Sacramento" and returned to ESPN. Good signal with KAWC nulled, KFNZ is now silent. New logging. **(NJ-AZ)**
- **1320 KXYZ TX Houston** 3/23 2300 Two mentions of "KXYZ" poor with KIFM nulled and no sign of KAWC, KFNZ now silent. New logging. (**NJ-AZ**)
- 1330 KCKM TX Monahans 3/3 0801 In with good signal, "Ladies and gentlemen you're listening to the West Texas Powerhouse KCSO Goldsmith" followed by "KCKM Monahans" into country song. (NJ-AZ)
- 1350 WSIQ IL Salem 3/25 2336 Fair with "WSIQ" and "currently 67 degrees" heard at the end of weather forecast. First time heard since the change from longtime CLs WJBD. (RD-IA)
- **1350 WLOU KY Louisville** 3/27 2013 Poor though clear "Praise Power" slogan. GOS music. Alone. Been a while since hearing this. **(JJR-WI)**
- **1380 WKJV NC Ashville** 3/27 0700 Poor; LID including city and state, USA news over the mess. **(JJR-WI)**
- **1390 KCLN IA Clinton** 3/30 0724 Poor; no WGRB. Obits: all Clinton or Iowa City, etc. No calls. **(JJR-WI)**
- 1390 WLLI TN Jackson 3/25 2201 Fair in KCLN null with C&W oldie "Alibis" by Tracy Lawrence, then ID: "WLLI-AM, Jackson, WLLI-FM, Dyer ..." TN #4 at this QTH. (RD-IA)
- **1430 WXNT IN Indianapolis** 3/25 2101 Good with play-by-play of Indy Fuel hockey by Tom Callahan. Confirmed by webstream, which ran a good two minutes behind. In the 1990s, as WMYS, this station was the flagship for the Indianapolis Ice broadcasts. **(RD-IA)**
- **1430 WION MI Ionia** 3/17 0802 Poor; "WION AM stereo 1430 & FM 92.7" & Michigan News Network. Popped in. (JJR-WI)
- **1430 WDIC** VA Clinchco 3/17 0657 Poor though over others. "Real Country WDIC 1430" into song. (JJR-WI)
- **1450 WFMB IL** Springfield 3/24 2115 Atop with local ad for Cordell & Cordell law firm located at 920 South Spring Street in Springfield. Just my 3rd logging on 1450 at this QTH. (RD-IA)
- **1460 WKAM IN Goshen** 3/23 2311 Fair with regional Mexican music and "La Raza" IDs // WHLY-1580. Overtaking KXNO in Des Moines at times. **(RD-IA)**
- **1470 KAIR KS Atchison** 3/25 2140 Fair under WMBD with "1470 Care" heard at the end of weather forecast. KS #6 at this QTH. **(RD-IA)**
- **1489.95 KUGR WY Green River** 3/29 0900 Out of music and into CBS news with no ID heard; local news noted at 0905, sponsored by First Bank ("branches in Green River and Rock Springs"). Fair peaks but fading and way under semi-local KCFC; somewhat separable on LSB. **(JW-CO)**
- **1540 KMPC CA Los Angeles** 4/1 0950 Korean talk, signal up and down; legal ID at ToH after time pips: "Radio Korea AM 1540 KMPC Los Angeles," then back to Korean; sounded like news. Fair peaks but fadey; frequency seemed a tad low, like about 1539.98 or so. **(JW-CO)**
- **1550 WDLR OH Delaware** 3/24 0311 Good with jingle ID, then into ZZ Top's "Sharp Dressed Man." **(RD-IA)**
- Valley City 4/2 2252 "La Raza, ciento ... punto uno" after music not // 1570 XERF La Hora Nacional, so two clues this is Unitedstatesian, not Mexican: true dentro-mejicanos don't need to brand themselves as "La Raza." NRC AM Log shows the only SS on 1550 as La Raza is KMRI; nothing there about an FM but web site says "La Raza 107.1 es la mejor estacion de Utah." Soon losing out to

soul music in English. I could believe KMRI is really on night power of 340 watts instead of 10 kW day. (GH-OK)

- **1560 KLNG IA Council Bluffs** 3/23 2227 Good with conclusion of REL program from Southwest Radio Ministries. ID at 2228: "Radio that changes the way you live, KLNG," then into 2-minute program "Lighten Up!" with Ken Davis. **(RD-IA)**
- **1560 WFME NY New York** 3/23 2159 Very good with Family Radio programming, ID: "...1560 on your AM dial, this is WFME, New York." **(RD-IA)**
- **1570 WBGZ** IL Alton 3/25 2126 Weak to fair with station ID during "When Radio Was." IL #56 at this QTH. **(RD-IA)**
- **1580 KQFN AZ Tempe** 4/5 0949 Local sports talk and ads; legal ID at 0859:59 "Arizona's new home for sports is AM 1580 KQFN Tempe and 99.3 K257CD Phoenix, 1580 AM The Fanatic"; CBS Sports Flash followed at ToH. Fair/good post-sunrise signal on day power. 2nd call change in as many months, heard as KHEP in March. (JW-CO)
- **1590 WAKR OH Akron** 3/23 2259 Good with legal ID that started with "The Indians in Akron ...," then went to a sound byte of play-by-play of a game-winning home run from the 2016 season. **(RD-IA)**
- **1590 KELP TX El Paso** 4/1 0859 Programming note, singing ID, then "Your Story Hour." Poor signal. Seemed a couple of hertz low in frequency. (**JW-CO**)
- **1600 WAOS GA Austell** 3/30 0656 Poor LeMejor sweeper into bouncy, uptempo song. Atop. (JJR-WI)
- **1630 WRDW GA Augusta** 3/16 0648 Poor; ESPN content through KCJJ null. Only fit. Steady, no fades. **(JJR-WI)**
- **1640** WTNI MS Biloxi 3/16 0647 Poor; WSJP nulled. 1640-103.5 The Champ. Sports. (JJR-WI)
- **1650 CINA ON Mississauga** 3/23 2355 Fair with "Cina Radio" jingle ID at the end of a liner spoken by male. **(RD-IA)**
- **1670 CJEU QC Gatineau** 3/23 2340 Fair with modern dance music (techno?) sung in French. Confirmed by webstream. **(RD-IA)**
- **1680 KRJO LA Monroe** 3/30 0721 Poor with ad for Biggest Loser, NE Louisiana version, no slogan into music. No WPRR. **(JJR-WI)**
- 1680 WPRR MI Ada 3/23 2336 Atop with political discussion about lower and middle classes. Confirmed by webstream. As recently as last September, this frequency had been blocked in the Quad Cities by a local TIS, nice to have it open again. (RD-IA)
- 1690 WPTX MD Lexington Park 3/18 0643 Poor, I'll Never Fall in Love Again, Dionne Warwick AM 1690 WPTX, ad cluster. No sign of WVON. 3/28 0711 Poor; Michelle, Beatles "AM 1690 WPTX" into another song. WVON in weeds. (JJR-WI) 3/23 2328 Fair in mess with only CLs heard twice, mixing with an unID station in Spanish. MD #2 at this QTH. (RD-IA)
- **1690 CHTO ON Toronto** 3/24 0110 Over WPTX with Greek dance music sung by female group. Confirmed by webstream. **(RD-IA)**
- **1700 WRCR NY Ramapo** 3/18 0640 Poor with Indian programming, basically alone on frequency! //web. (JJR-WI)

UNID

1240 UNID -- 3/27 0706-0734 – ALL instrumentals: No Matter What Shape Your Stomach's In, Wipeout, Telstar, And I Love Her, Hang Em High, The Virginian, A Summer Place. No IDs, slogans. Stunting obviously, but who? **(JJR-WI)**

STATION NEWS/FORMAT CHANGE

930 WKY

OK Oklahoma City – 3/31 2353 – Spanish here is still WKY, but it's sports talk, not music! Long string of promos, jingles from ESPN Deportes, national feed giving times in Pacific and Eastern, and who cares about the Great Center of America, let alone the Mountains?? ToH ID at 0000, says "WKY, Oklahoma City, 930 AM, WKY." The call letters are pronounced in English, although they don't have to be (but doble-ve ka i griega is a bit more cumbersome, less so doble-u ka ye). {There was never a worse callsign for a SS station, all three letters being "foreign" to Spanish!} No mention of "La Indomable" which has been its brand for eight+ years already, and back to ESPND. (GH-OK)

International DX Digest

Bruce Conti, 46 Ridgefield Drive, Nashua NH 03062-1174, contiba@gmail.com
For loggings of outside the U.S. and Canada
All times are Universal Coordinated Time (UTC)

PAN-AMERICAN DX

- 540 **DOMINICAN REPUBLIC** *Radio ABC*, Santo Domingo MAR 28 0102 Through WFLF and WLIE; promo for an event in April, then ID, "Esta es Radio ABC..." [Conti-NH]
- PUERTO RICO WKAQ San Juan MAR 27 2358 ID for WKAQ and relays, program about Dominican Republic, talking to someone from WADO in Nueva York. [Brandi-NJ]
- 630 **PUERTO RICO** WUNO San Juan MAR 28 0000 Singing ID on the hour. [Brandi-NJ]
- 680 **PUERTO RICO** WAPA San Juan MAR 28 0000 "WAPA is an equal opportunity employer," ID for WAPA and relays. [Brandi-NJ]
- **MEXICO** XEN México, DF APR 2 1058 Anthem in progress, male "XEN..." then abruptly obliterated by WOKV day power up mid-Fox news. Not in time to hear the recent format shift, as per Raymie Humbert in DXLD 17-13, who reports this is now simulcasting the also DF'er 1150 XEJP *El Fonógrafo*. [Krueger-FL]
- 690 unID MAR 28 0600 Through CKGM and *R.Progreso*; two cycles of Big Ben chimes. [Conti-NH]
- 720 **COLOMBIA** HJAN *Emisoras Unidas*, Barranquilla MAR 28 0005 Drum-based music, talk, more rural music, ID at 0005 with echo. [Brandi-NJ]
- DOMINICAN REPUBLIC HIAQ *R.Norte*, Santiago de los Caballeros APR 2 0100 Presumed; on top of frequency with music more tropical than bachata. Announcement by man in Spanish included mentions of Radio Dominicana, Grupo Medrano, a 30-year anniversary and a special concert/event for "semana santa" (which is the week leading up to Easter); website supersemanasanta.com shows logos from all the stations in Grupo Medrano including *Radio Norte*. About an hour later I checked the web stream at http://norte720.com/am and heard similar music and an identical sweeper. WRTH lists their power as 1.5 kW and mwlist shows 5 kW, but their web site claims 10 kW. WGN was completely absent at the time. I was hoping there would be other DX that night but, other than the normal Cubans, it wasn't particularly interesting. Looking at the
- antenna patterns on 720 there isn't much else to compete with HIAQ from the south, so it's not too surprising they came in. [Saylor-PA]
 730 MEXICO XEX, W Deportes, México, DF MAR 25 0501 Good with "Deportes" heard in
- Spanish chat by male after legal ID. No sign of XEHB. [Dau-IA]

 730 **MEXICO** XEHB Hidalgo del Parral, Chih. MAR 23 1228 ID for "107.1 FM, Fiesta, v 730
- 730 **MEXICO** XEHB Hidalgo del Parral, Chih. MAR 23 1228 ID for "107.1 FM, Fiesta, y 730 AM." [Hauser-OK]
- VENEZUELA YVKS, RCR, Caracas MAR 28 0100 Over WSB; political speech about mothers and children with frequent audience applause through the hour. Speeches still going through the 0200 hour. [Conti-NH]
- 760 **COLOMBIA** HJAJ, *RCN*, Barranquilla MAR 28 0100 Good; Voces RCN in-studio discussion continuing through time pips on the hour. [Conti-NH]
- DOMINICAN REPUBLIC HIJB Santo Domingo MAR 29 0115-0205 Initially occasionally audible; Spanish men with some sports program same as web coming thru WACC (also new) in auroral conditions. WFNO popped in at 0157 with music clobbering the channel but I still could occasionally detect HIJB sports and deportiva mention. South DKAZ used. New country! [Kazaross-IL]
- 940 **COLOMBIA** HJTL, *RCN*, Cúcuta MAR 27 2358 *RCN* ID's. [Brandi-NJ]
- 970 **CUBA** *R.Guamá*, Los Palacios-Andresia APR 1 1059 Station theme at 1100, female ID, parallel 1070 kHz. In extremely tight WFLA null while still on night power/pattern. [Krueger-FL]
- 980 **MEXICO** XEFQ Cananea, Son. MAR 23 1230 At Enid sunrise; phone numbers, "Es la FQ, una estación del Instituto Mexicano de la Radio." [Hauser-OK]
- 1050 **MEXICO** XEG *La Ranchera*, Monterrey, NL MAR 25 0206 Weak in mess with ranchera music. Confirmed by webstream, which ran a scant 1 second behind the over-the-air signal. [Dau-IA]
- 1080 **CUBA** *R.Surco*, Ciego de Avila APR 1 0959 Under WTIC; canned hourly ID parallel 1140 kHz. [Conti-NH]

- 1140 **CUBA** *R.Musical Nacional*, Santa Clara MAR 28 0501 Under WRVA; violin chamber music, then canned ID with classical harp parallel 590 kHz. [Conti-NH]
- 1190 **CUBA** *CMKC R.Revolución*, Chivirico MAR 26 0958 End of Cuban vocal, man with headlines/datelines for Angola, Habana and Perú, into news items, one clear "Radio Revolución" ID between items. No trace of normally dominant *R.Sancti Spíritus*. Unable to parallel to 840 kHz thanks to WCEO running illegal D1 50 kW. [Krueger-FL]
- 1200 **COLOMBIA** HJIJ Medellín MAR 29 1000 Het against CFGO and WXKS; measured 1200.174 kHz corresponding with listed offset frequency. [Conti-NH]

TRANS-PACIFIC DX

AUSTRALIA 4QD Emerald MAR 20 1153-1201 – S9+10 peaking signal clobbered by bad slop from KXEL and KMRI (day power left on). Audible Aussie talk much of the time but couldn't copy much. Some of the ABC news trumpet sounder heard at 1200. Using 330 degree DKAZ for this. They remain a bit high at 1548.01 kHz. New! [Kazaross-IL]

Transpacific carrier search: MAR 17 1237-1239 – Finally I awaken two minutes before sunrise here so check it out. 774, 693 and 594 from northwest, presumably Japan; and 702 from west/southwest, presumably Australia. MAR 23 1140-1224 - 684, 702, 774, 828, 1098, 1548 kHz. 684 and 828 likely Australia or New Zealand, no greater than 10 kW. 774 produced Down Under early, then Japan later. 1098 of course is the Marshall Islands carrier. And 1548, 4QD Emerald, Queensland which has been making it with audio as far as Illinois and Michigan lately. Enid sunrise today 1230 UTC. APR 1 1159-1202 - 594, 693, 774, 828, 1314 kHz, all seem from northwest but extremely weak. [Hauser-OK]

CONTRIBUTORS

Ralph Brandi, Middletown NJ; Elad FDM-S2, Wellbrook ALA-100 north-south.

Bruce Conti WPC1CAT, Nashua NH; WiNRADiO Excalibur, MWDX-5, variable termination SuperLoop antennas 15 x 18-m 60° northeast and 15 x 23-m 180° south.

Rick Dau, Davenport IA; Sony ICF-2010, Grundig AN-200 antenna.

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.

Neil Kazaross, Barrington IL; Perseus, DKAZ at 330° and DKAZ at 180°.

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

Brett Saylor W3SWL, State College PA; Perseus SDR, 16 x 36-ft SuperLoop at 180°.

INTERNATIONAL NEWS

ALBANIA: *R.Tirana* planned to shutdown all medium wave operations (1215, 1395, and 1458 kHz) on March 31, but several DX'ers reported all three frequencies still active on April 1. "Even today, April 5th, Radio Tirana was broadcasting on 1458 kHz between 2013 and 2027 UTC, but only with music, no talking, except for the station announcements. It's curious to see that their oldest transmitter is the only still working, while the short wave ones, way more modern, have been shut off in March." [Giovanni Battista Ricci, mediumwave.info] Albania would become the latest medium wave radio country to go dark if *R.Tirana* does shutdown.

73 and Good DX!

Musings of the Members

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

Kraig Krist - kg4lac@yahoo.com

When I hear a new station, yes, I'm excited to add a new station to my log, but I also enjoy learning about where I'm hearing.

Using maps.bing.com, or any search engine, I find the city of the station. Where is it? History? What is it near? What "Things To Do," "Food," "Activities," population, etc., are in and around the town? Is there a major industry or other interesting item in the town?

By doing some research on the town I'm able to somewhat get an understanding of the town, the people, the community and hopefully the station instead of simply logging a new one in my log book.

Here's an example. I recently heard WHBN Harrodsburg, Kentucky for the first time. Research Harrodsburg, KY and I learn they are a home rule-class city in Mercer County, Kentucky. Another. Recently heard WRSA in Saint Albans, VT, which is not too far from the Canadian border.

I find these things most interesting and informative.

73, Kraig, KG4LAC

Pro Sports Networks

Barry Finkel, 10314 S. Oakley, Chicago IL 60643-2409, <u>bsfinkel@att.net</u>

Here is Major League Baseball (MLB) flagship information for the 2017 season from my Internet searches. I also used the newspaper collection at the Chicago Public Library. Please send me announcer information (and corrections), as some of the web pages either did not list the announcer names or were definitely from last season (and maybe did not change for this season, but I have no way of knowing). And sometimes I cannot determine if an announcer is on radio only, TV only, or both. Any copyright statement on an mlb.com page is probably placed there automatically, even if the page content has not changed for the current season.

http://en.wikipedia.org/wiki/List of current Major League Baseball broadcasters

has broadcaster information, and that web site has been updated for the 2017 season (last modified on 7 April 2017, at 18:41).

In some cases I was not sure that the network list was for the 2016 season, as many lists were undated.

If a found a list that had no definite 2017 date but differed from the list I found last year, then I treated the list as one for the 2017 season even though the list might be for last season but changed since I downloaded it at the beginning of the season.

Note that if a station streams its broadcasts over the Internet, I believe that the station cannot stream the baseball broadcasts because the Major League Baseball organization wants listeners to get a paid subscription via mlb.com.

Some of the stations are acutally translators, and I might not list the stations' official six-character call letters.

On the mlb.com site for some teams, the announcers are listed under the "Roster" tab.

It is now time to begin collecting Minor League Baseball information; please send me what you can find. Thanks.

Arizona Diamondbacks		KTAR-AZ	EE	Greg Schulte, Tom Candiotti, Jeff Munn
	98.7	KMVP-AZ		
	1400	KSUN-AZ		Oscar Soria, Rodrigo Lopez, Richard Seanz
Atlanta Braves	680	WCNN-GA		Jim Powell, Don Sutton, Tom Glavine
	93.7	W229AG-G	\mathbf{A}	
	106.7	WYAY-GA		
Baltimore Orioles	105.7	WJZ-MD		Joe Angel, Fred Manfra
Boston Red Sox	93.7	WEEI-MA		Joe Castiglione, Tim Neverett
	1110	WCCM-NH	ISS d	Un Berenguer
	1490	WCEC-NH	SS n	Un Berenguer
Chicago Cubs	670	WSCR-IL	EE	Pat Hughes, Ron Coomer
C	TBA	-IL	SS 1	Elio Benitez, Hector Fabregas
Chicago White Sox	890	WLS-IL	EE	Ed Farmer, Daren Jackson
C	1200	WRTO-IL	SS lo	*Hector Molina, Ozzie Guillen Jr,
Cincinnati Reds	700	WLW-OH		Marty Brennaman, Thom Brennaman, Jeff
	94.5	WKFS-OH		Brantley, Jim Kelch, Doug Flynn (s)
Cleveland Indians	1100	WTAM-OH	I	Tom Hamilton, Jim Rosenhaus
	100.7	WMMS-OF	I	•
Colorado Rockies	850	KOA -CO	EE	Jerry Schemmel, Jack Corrigan
	1150	KNRV-CO	SS	Salvador Hernandez, Javier Olivas, Carlos Valdez
Detroit Tigers	1270	WXYT-MI		Jim Price, Dan Dickerson
O	97.1	WXYT-MI		,
Houston Astros	790	KBME-TX	EE	Steve Sparks, Robert Ford, Crawford Jones
	97.1	K231CN-TX		Francisco Romero, Alex Trevino
Kansas City Royals	610	KCSP-MO		Denny Matthews, Steve Physioc, Steve Stewart,
Tions of City Tie y vize	010	11001 1/10		Ryan Lefebvre
Los Angeles Angels	830	KLAA-CA	EE	*Terry Smith, Jose Mota
0	1330	KWKW-CA	SS	*Amaury Pi-Gonzalez
Los Angeles Dodgers	570	KLAC-CA	EE	Rick Monday, Kevin Kennedy, Manny Mota
	1020	KTNQ-CA		Jaime Jarrin, Pepe Ynguez, Fernando Valenzuela, Jorge Jarrin

1540 KMPC-CA KK

20				
Miami Marlins	940	WINZ-FL	EE	Dave Van Horne, Glenn Geffner
	710	WAQI-FL	SS	Rafael "Felo" Ramirez, Luis "Yiky" Quintana
Milwaukee Brewers	620	WTMJ-WI	EE	Bob Uecker, Jeff Levering, Lane Grindle, Kent Sommerfield
	1510	WRRD-WI	SS	Hector Molina
Minnesota Twins	96.3	KQCO-MN		Dan Gladden, Kris Atteberry, Cory Provus, Bert Blyleven, Jack Morris
	1400	KMNV-MN	I SS	Alfonso Fernandez, Tony Oliva
	1470	KMNQ-MN	NSS	·
New York Mets	710	WOR -NY	EE	Howie Rose, Josh Lewin, Wayne Randazzo
	1050	WEPN-NY	SS	Juan Alicea, Max Perez Jiminez, Nestor Rosario
New York Yankees	660	WFAN-NY		John Sterling, Suzyn Waldman
	101.9	WFAN-NY		,
Oakland Athletics	95.7	KGMZ-CA	EE	Ken Korach, Vince Cotroneo, Ray Fosse
	1010	KIQI-CA	SS a	Amaury Pi-Gonzalez, Manolo Hernandez-Douen
	990	KATD-CA	SS a	
Philadelphia Phillies	94.1	WIP -PA	EE	Scott Franzke, Larry Andersen, Jim Jackson, Gregg Murphy
	1680	WTTM-NJ	SS	*Rickie Ricardo, "Gringo Malo"
Pittsburgh Pirates	93.7	KDKA-PA		Greg Brown, Joe Block, Steve Blass, John Wehner, Bob Walk
Saint Louis Cardinals	1120	KMOX-MC)	*John Rooney, Mike Shannon
San Diego Padres	94.5	KBZT-CA	EE	Ted Leitner, Jesse Agler
O	860	XEMO-MX	SS	Eduardo Ortega
San Francisco Giants	680	KNBR-CA	EE	Jon Miller, Dave Flemming, Duane Kuiper
	860	KTRB-CA	SS	Erwin Higueros, Tito Fuentes
Seattle Mariners	710	KIRO-WA		Rick Rizzs, Dave Sims, Aaron Goldsmith
Tampa Bay Rays	620	WDAE-FL	EE	Andy Freed, Dave Wills, Neil Solondz
	95.3	WDAE-FL	EE	·
	680	WGES-FL	SS	Enrique Oliu, Ricardo Taveras
	1550	WAMA-FL	SS	-
Texas Rangers	105.3	KRLD-TX	EE	Eric Nadel, Matt Hicks, Jared Sandler
<u> </u>	1270	KFLC-TX	SS	Eleno Ornelas, Jose Guzman
	99.1	KFZO-TX	SS c	
Toronto Blue Jays	590	CJCL-ON		Jerry Howarth, Mike Wilner, Joe Siddall
Washington Nationals	106.7	WJFK-DC		Charley Slowes, Dave Jageler

Here are the radio network lists for all of the teams.

Even if the web site does not state it (and I do not include it below), each network list is subject to change throughout the season.

Arizona Diamondbacks (EE) 2017 Greg Schulte, Tom Candiotti, Jeff Munn

http://arizona.diamondbacks.mlb.com/ari/schedule/affiliates.jsp (03/17/2017) The list is undated, but it differs from last year only with the deletion of one SS statiom.

600	KVNA-AZ	1340	KIKO-AZ	92.1	KZUA-AZ	100.5	KNTR-AZ
620	KTAR-AZ	1400	KCYK-AZ	94.3	KDDL-AZ	103.3	KZKE-AZ
780	KAZM-AZ		KRVZ-AZ		KNTR-AZ	103.7	KNMZ-NM
980	KNTR-AZ		KSUN-AZ	95.1	KZKE-AZ	104.9	KFFN-AZ
1130	KQNA-AZ	1490	KFFN-AZ	98.7	KMVP-AZ	106.7	KNKI-AZ
1230	KATO-AZ			99.9	KQNA-AZ		
	KINO-AZ						

Arizona Diamondbacks (SS) 2017 Oscar Soria, Rodrigo Lopez, Richard Seanz

http://arizona.diamondbacks.mlb.com/ari/schedule/affiliates.jsp (03/17/2017)

1130 <u>XEHN-MX</u> 101.1 XHVSS-MX 102.5 XHIQ-MX 104.7 XHCNE-MX

MEMBERSHIP RENEWALS

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Atlan	ta Braves 2017 J	im Powe	ll. Don Sutton.	Tom Glav	ine		
	/atlanta.braves.m						
540	WRGC-NC		WHEP-AL	, . .	WVOK-AL	100.5	W263AI-TN
560	WNSR-TN		WISE-NC		WPGY-GA		W263BW-AL
580	WACQ-AL	1320	WISW-SC		WPMO-MS	101.1	WLJA-GA
590	WCAB-NC		WMSR-TN	1590	WTGA-GA		WTGA-GA
600	WCVP-NC	1330	WLBB-GA	2000	WCAM-SC		W266BJ-AL
620	WTRP-GA	1000	WMLT-GA	1630	WRDW-GA		W266AL-FL
630	WJDB-AL	1340	WGAU-GA	1000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	101.3	W267BC-GA
000	WNEG-GA	1350	WFNS-GA	92.1	WKUL-AL	101.7	W269CC-GA
680	WCNN-GA	1370	WLOP-GA	, .	WBTR-GA	101.,	WYUM-GA
690	WJOX-AL	1070	WDEF-TN		WPEH-GA	101.9	W270AF-TN
730	WUMP-AL	1390	WOHS-NC	92.3	WQLI-GA	102.3	WKZR-GA
700	WLIL-TN	1400	WSEG-GA	92.5	W223AX-AL	102.7	WCNG-NC
740	WMSP-AL	1100	WJZM-TN	93.1	W226BY-GA	102.7	WPUB-SC
780	WPTN-TN	1410	WLAQ-GA	93.7	W229AC-GA*	103.5	W278BE-SC
790	WSFN-GA	1420	WKWN-GA	70.7	W229AJ-GA	103.7	W279BC-GA
800	WJAT-GA	1420	WPEH-GA	93.9	WYTK-AL	105.7	W279BD-GA
900	WJTH-GA	1450	WBSR-FL	94.3	W232CI-NC	103.9	WUMP-AL
920	WHJD-GA	1450	WBHF-GA	94.5	WJOX-AL	105.7	WDDK-GA
940	WMAC-GA		WCON-GA	95.1	WCDZ-TN		WNTC-KY
950	WNZZ-AL		WGPC-GA	95.1	WCDZ-IN WJDB-AL	104.1	WCLE-TN
930	WHSY-MS		WKEU-GA	95.9	W240CA-TN	104.1	W282AR-GA
970	WVOP-GA		WMVG-GA	93.9	WZ40CA-IN WTWX-AL	104.5	WYYU-GA
970				06.1			
000	WYSE-NC		WQNT-SC	96.1	WJEM-GA	104.7	WAAZ-FL
990	WEIS-AL	1460	WGNS-TN	96.9	W245BT-GA	105.1	W286BO-GA
1050	WJSB-FL	1460	WBCU-SC	97.7	W249DB-GA	105.5	WIFO-GA
1150	WLON-NC	1470	WCLA-GA	97.9	WDMG-GA		WLTC-GA
1150	WJEM-GA	1480	WVOV-AL	98.7	WISK-GA	1050	WROK-GA
1230	WAUD-AL	1490	WKUN-GA	00.0	W254CJ-GA		W290BR-GA
	WBLJ-GA		WSNT-GA		WWIK-SC	106.1	W291CA-TN
1010	WJUL-GA		WAZZ-NC	99.3	WCON-GA	1060	W291CF-GA
1240	WGGA-GA	4=00	WJJM-TN	99.7	W259AK-GA	106.3	WKNU-AL
10-0	WPAX-GA		WAYS-GA	99.9	WSNT-GA	404 -	WGMK-GA
1270	WLIK-TN	1570	WCLE-TN	100.3	W262CD-GA		WYAY-GA
1300	WJBB-GA				WRBN-GA	107.1	W296CK-GA
	WMTM-GA					107.9	W300BL-TN
	nore Orioles 201				(0.5 (0.5 (5.6 (5.5)		
_	/baltimore.orioles			,	± '		
	WGOP-MD		WGHB-NC		WEEO-PA	94.3	WWXX-VA
560	WFRB-MD	1280	WHVR-PA	1490	WARK-MD	95.3	WHVR-PA
570	WSPZ-MD		WWTX-DE	1550	WMRE-WV	97.9	WBEY-MD
580	WLVA-VA	1340	WHAP-VA	1590	WGBG-MD		WIOO-PA
900	WKDW-VA		WEPM-WV			98.9	WARK-MD
910	WSBA-PA	1430	WNAV-MD	92.7	WGMD-DE	99.9	WNAV-MD
930	WDLX-NC	1450	WTBO-MD		WWXT-MD	100.7	WGOP-MD
960	WHYL-PA		WTHU-MD	93.9	WEEO-PA	102.3	WTTR-MD
980	WTEM-DC	1470	WJDY-MD	94.1	WLVA-VA	105.7	WJZ-MD
1000	WIOO-PA		WTTR-MD		WVSP-VA	105.9	WXDE-DE
Bosto	n Red Sox 2017	Joe Casti	iglione, Tim N	everett			
	/www.weei.com/		0		dio-network (03,	/22/2017)	
620	WZON-ME		WSYY-ME		WDEA-ME	1480	WSAR-MA
830	WCRN-MA		WFTN-NH		WSYB-VT		WCFR-VT
860	WSBS-MA	1270	WTSN-NH	1390	WEGP-ME	1490	WGCH-CT
980	WOFX-NY	1280	WPKZ-MA	1400	WILI-CT		WMRC-MA
1010	WCNL-NH	1300	WPNH-NH	1100	WLTN-NH		WIKE-VT
1080	WTIC-CT	1310	WLOB-ME		WTSL-NH		,, <u></u> ,
1120	WKAJ-NY	1320	WCVR-VT	1420	WBEC-MA	92.7	WQDY-ME
1230	WNAW-MA	1340	WSTJ-VT	1120	WBSM-MA	93.5	WEEY-NH
1200	, , , , , , , , , , , , , , , , , , ,	1010	TATE DATE	4.440	, , DOINT 191/ 1) 0. 0	TATEET NEA

1350 WINY-CT

1440 WVEI-MA

93.7 <u>WEEI-MA</u>

WMOU-NH

22							
93.9	WLVB-VT	96.3	WEII-MA	100.1	WHOU-ME	104.9	WBOQ-MA
	WWOD-VT		WJJB-ME	101.3	WCPV-VT	105.5	WWEI-MA
95.3	WALZ-ME		WFYX-NH	101.5	WZEI-NH		WBYA-ME
95.9	WPEI-ME	99.3	WKTJ-ME	103.1	WZLO-ME	107.7	WTPL-NH
96.1	WDEV-VT	99.7	WNTK-NH	103.7	WVEI-RI		
Chica	go Cubs 2017 Pat	H110he	es. Ron Coomer				
	chicago.cubs.mlb.c			es.isp (C	03/22/2017)		
	per of games carried			,	, = , = = ; ,		
	WSCR-IL		WGEM-IL	1660	WQLR-MI	101.9	WARU-IN
800	KXIC-IA	1450	WFMB-IL		~	102.7	WAOR-IN
910	WAKO-IL		WASK-IN	93.5	KJOC-IA	103.1	WAKO-IL
1050	WDZ -IL	1490	WDBQ-IA	94.3	WSSQ-IL	104.1	KOMJ-NE
1150	KCPS-IA		KOMJ-NE	95.3	WJEK-IL	104.9	WAXI-IN
1330	WRAM-IL	1540	WBNL-IN	96.5	WZPN-IL	105.3	KNOD-IA
1350	KRNT-IA	1570	KMCD-IA	97.7	WBNL-IN	106.9	KOJY-IA
1380	KCIM-IA		KVTK-SD	98.3	WSVZ-IL		
1400	KADR-IA	1590	KWBG-IA				
	WBAT-IN	1650	KCNZ-IA				
Chica	go White Sox (EE)	2017 F	Ed Farmer. Daren I	ackson			
	go White Sox (SS)						
	chicago.whitesox.n					es.jsp	(03/07/2017)
	WMRI-IN		WTRC-IN		WRIN-IN		WLQI-IN
890	WLS-IL	1430	WCMY-IL	1580	WBCP-IL	101.3	WVIL-IL
1060	WRHL-IL	1490	KXLQ-IA	1590	WAIK-IL	104.5	WRIN-IN
1200	<u>WRTO-IL</u> S		WKRO-IL	1600	WARU-IN	105.5	WYKT-IL
1280	WBIG-IL		WZOE-IL			107.7	WMRS-IN
1330	WNTA-IL						
Cinci	nnati Reds 2017 M	artv Bı	rennaman, Thom B	rennan	nan, Jeff Brantlev. I	im Kel	ch, Doug Flyn
	cincinnati.reds.mlb						, G J
	WCHS-WV		WVOW-WV		WCVL-IN		WPWT-TN
600	WKYH-KY	1330	WVHI-IN		WAMW-IN	100.9	WKBV-IN

тир://	cincinnati.reas.mib	.com/c	m/schedule/redsra	iuio_ai	mates.jsp (03/07/2	017)	
580	WCHS-WV	1290	WVOW-WV	1550	WCVĹ-ĬN	100.7	WPWT-TN
600	WKYH-KY	1330	WVHI-IN	1580	WAMW-IN	100.9	WKBV-IN
680	WHBE-KY	1340	WXFN-IN		WLPK-IN		WPGW-IN
700	WLW-OH		WEKY-KY	1590	WSRW-OH		WGOH-KY
800	WVHU-WV	1360	WMOV-WV	1600	WZZW-WV	101.5	WTHX-KY
870	WPWT-TN	1370	WGCL-IN				WSRW-OH
900	WLSI-KY		WGOH-KY	92.7	WBEX-OH	101.9	WVOW-WV
920	WTCW-KY	1390	WMPO-OH	93.5	WAIN-KY	102.3	WCYN-KY
970	WATH-OH	1400	WCYN-KY	94.3	WKKI-OH		WMTD-WV
990	WTIG-OH		WFTG-KY	94.5	WKFS-OH	102.5	WBTH-WV
1130	WFNF-IN		WIEL-KY	95.3	WNDI-IN	102.7	WWKU-KY
1150	WLOC-KY		WBTH-WV		WHOP-KY	102.9	WXFN-IN
	WIMA-OH	1410	WING-OH	95.9	WAMW-IN	103.7	WMPO-OH
1220	WSLM-IN	1420	WTCR-WV		WLSI-KY	103.9	WRBI-IN
1230	WCDS-KY	1430	WXAM-KY	96.1	WGCL-IN	104.3	WEKB-KY
	WHOP-KY		WFOB-OH k	96.7	WBVI-OH	104.5	WSWW-WV
	WIRO-OH	1440	WPGW-IN	97.1	WNOS-NC	105.5	WMVR-OH
	WYTS-OH	1450	WTCO-KY		WATH-OH	105.7	WHBE-KY
1240	WFTM-KY		WWKU-KY	97.9	WSLM-IN	106.1	WMOR-KY
	WPKE-KY		WWXL-KY	98.1	WPKE-KY	106.5	WMOV-WV
	WSFC-KY		WNOS-NC	99.1	WHSX-KY	106.9	WLPK-IN
	WHIZ-OH	1460	WEKB-KY	99.5	WFNF-IN	107.1	WLRX-OH
1250	WCHO-OH	1490	WKBV-IN	99.7	WUGO-KY	107.9	WILE-OH
1260	WNXT-OH		WBEX-OH	100.1	WMDJ-KY		
1270	WXGO-IN		WMOA-OH	100.5	WSJD-IL		
	WAIN-KY		WSWW-WV				

WILE-OH WQTT-OH

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Cleveland Indians 2017 Tom Hamilton, Jim Rosenhaus
http://cleveland.indians.mlb.com/cle/schedule/radio_affiliates.jsp (03/07/2017)
                                                              93.5
 570 WKBN-OH
                     1330 WFIN-OH
                                         1490 WMRN-OH
                                                                   WBNV-OH
 930 WEOL-OH
                     1390 WBLL-OH
                                         1540 WBTC-OH
                                                              95.3
                                                                   WLKR-OH
 970 WFUN-OH
                                         1550 WDLR-OH
                                                              100.7 <u>WMMS-OH</u>
                     1400 WMAN-OH
1100 <u>WTAM-OH</u>
                     1430 WFOB-OH k
                                         1590 WAKR-OH
                                                             100.9 WBNO-OH
1230 WCWA-OH
                     1450 WIER-OH
                                                                   WJAW-OH
                          WLEC-OH
                                          92.7
                                              WQEL-OH
                                                             104.5 WQKT-OH
1260 WRIE-PA
1300 WMVO-OH
                     1480 WHBC-OH
                                          93.1 WWSR-OH
                                                             105.7 WXZX-OH
Colorado Rockies (EE) 2017 Jerry Schemmel, Jack Corrigan
Colorado Rockies (SS) 2017 Salvador Hernandez, Javier Olivas, Carlos Valdez
http://colorado.rockies.mlb.com/NASApp/mlb/col/schedule/col_schedule_tv_radio_affiliates.jsp
(03/07/2017)
 610 KCSR-NE
                     1260 KPOW-WY
                                         1450 KLMX-NM
                                                              95.5 KQZR-CO
                                                              97.5
                     1290 KOWB-WY
 730 KLOE-KS
                                               KBFS-SD
                                                                   KLMX-NM
 850 <u>KOA-CO</u>
                     1320 KFNZ-UT
                                              KVOW-WY
                                                             101.7 KSKE-CO
 930 KIUP-CO
                                         1470 KKTY-WY
                     1340 KTMM-CO
                                                             101.9 KRKY-CO
     KRKY-CO
                     1350 KCCY-CO
                                                             102.3 KSPK-CO
                                              KSHW-WY
                                                              103.1 KYDT-WY
1010 KSIR-CO
                     1440 KRDZ-CO
                                          87.7
                                          94.5 KRFD-CO
1240 KEAU-NV
                                                             106.1 KNFO-CO
     KFBC-WY
                                                             107.3 KQZR-CO
Detroit Tigers 2017 Jim Price, Dan Dickerson
http://detroit.tigers.mlb.com/NASApp/mlb/det/schedule/radioaffiliates.jsp (03/07/2017)
                                                              98.7 WLDN-MI
 590 WKZO-MI
                     1330 WTRX-MI
                                          92.1 WCSR-MI
 680 WDBC-MI
                     1340 WMBN-MI
                                          92.7
                                              WLKI-IN
                                                              99.3 WCCY-MI
 790 WSGW-MI
                     1360 WKYO-MI
                                          93.7 WKAD-MI
                                                             100.7 WWTH-MI
                                          95.1 WBRN-MI
                                                             101.1 WGRY-MI
1050 WTKA-MI
                     1370 WGHN-MI
                                                             101.9 WIBM-MI
1090 WKBZ-MI e
                     1380 WPHM-MI
                                          95.3 WBCK-MI
                                          95.7 WSJM-MI
1230 WBET-MI
                     1400 WCCY-MI
                                                             102.3 WMKT-MI
     WSOO-MI
                          WSJM-MI
                                          96.1 WMAX-MI e
                                                             103.7 WCSY-MI
                                                             104.9 WQBX-MI
1240 WIAN-MI
                     1450 WHTC-MI
                                               WMTR-OH
                          WIBM-MI
     WJIM-MI
                                          96.7 WRGZ-MI
                                                             106.9 WOOD-MI f
                                                             107.5 WCCW-MI b
1270 WMKT-MI
                          WMIQ-MI
                                          97.1 <u>WXYT-MI</u>
                                          97.7 WMLQ-MI
                                                             107.7 WBRN-MI
     WXYT-MI
                          WNBY-MI
1300 WOOD-MI f
                     1460 WBRN-MI
                                              WQEZ-MI
1310 WCCW-MI
                     1470 WLQR-OH
                                               WTGV-MI
1320 WDMJ-MI
Houston Astros (EE) 2017 Steve Sparks, Robert Ford, Crawford Jones
Houston Astros (SS) 2017 Francisco Romero, Alex Trevino
http://houston.astros.mlb.com/hou/schedule/radio_affiliates.jsp (04/06/2017)
                     1300 KSYB-LA j
 760 KTKR-TX
                                         1460 KTKC-LA
                                                              98.1 KTLT-TX
 790 <u>KBME-TX</u>
                          KVET-TX
                                         1470 KWRD-TX
                                                              98.3 KULM-TX
                     1310 KEZM-LA
                                         1560 WSLA-LA
                                                              98.9 KMVL-TX
 910
     WUBR-LA
     KNAF-TX
                     1340 KKAM-TX
                                         1590 KGAS-TX
                                                             103.7 KLWB-LA
                                                             103.9 KMHT-TX j
1010 KBBW-TX
                          KVNN-TX
                                         1600 KOGT-TX
                     1400 KBYG-TX
                                                             105.7 KBBW-TX
1220 KMVL-TX
1230 KSIX-TX
                     1440 KETX-TX
                                          92.7 KASR-AR i
                                                             106.3 KBYG-TX
1260 KSML-TX
                                          94.1 <u>K231CN-TX</u> S
                     1450 KIKR-TX
1280 KWHI-TX
                          KMHT-TX
Kansas City Royals 2017 Denny Matthews, Steve Physioc, Steve Stewart, Ryan Lefebvre
http://kansascity.royals.mlb.com/kc/schedule/radio_affiliates.jsp (03/21/2017)
                                         1240 KFH-KS
 580 WIBW-KS
                     990 KRSL-KS
                                                              1300 KMMO-MO
 610 KCSP-MO
                     1150 KSAL-KS
                                              KFOR-NE
                                                                   KBRL-NE
 680 KFEQ-MO
                          KRMS-MO
                                         1270 KSCB-KS
                                                              1310 KGMT-NE
 690 KGGF-KS
                     1180 KZOT-NE
                                              KRXO-OK
                                                              1320 KLWN-KS
 780 WJAG-NE
                     1190 KVSV-KS
                                         1280 KSOK-KS
                                                              1340 KGGS-KS
```

KKOW-KS

960 KMA -IA

1220 KOFO-KS

KDKD-MO

KICK-MO

1350 KMAN-KS

860

1370	KWRT-MO	1540	KLKC-KS	93.7	KSTZ-IA	100.9	KESA-AR
	KAWL-NE	1560	KABI-KS	94.5	KLIQ-NE	101.3	KLZA-NE
1400	KAYS-KS	1580	KNIM-MO	96.7	KBBE-KS	102.3	KOZQ-MO
	KVOE-KS	1590	KVGB-KS	96.9	KVOE-KS	102.9	KMMO-MO
1410	KOOQ-NE	1600	KMDO-KS	97.1	KNIM-MO	103.3	KSOK-KS
1420	KJCK-KS		KTTN-MO	97.3	KKOY-KS		KFOR-NE
	KULY-KS	1620	KOZN-NE		KBLR-NE	103.5	KAWL-NE
	KRLL-MO			97.5	KRMS-MO	103.9	KOMB-KS
1430	KKOZ-MO	92.1	KMZA-KS	97.7	KHBT-IA	104.1	KZJF-MO
1440	KCHE-IA		KKOZ-MO	98.3	KQZQ-KS	104.9	KXEA-MO
1450	KWBW-KS	92.3	KICK-MO	98.5	KWBW-KS	105.9	WJAG-NE
	KOKO-MO		KTTN-MO	98.7	KFH -KS	106.7	KQNK-KS
1460	KKOY-KS	92.5	KWIX-MO	99.1	KDWD-MO	107.3	KLPW-MO
1530	KDSN-IA	93.3	KMAN-KS	100.1	KKWK-MO	107.9	KRXO-OK
	KQNK-KS						

Los Angeles Angels (EE) 2017 *Terry Smith, Jose Mota Los Angelss (SS) 2017 *Amaury Pi-Gonzalez

The 2015 network list is still online.

Los Angeles Dodgers (EE) 2017 *Rick Monday, Kevin Kennedy, Manny Mota

Los Angeles Dodgers (SS) 2017 *Jaime Jarrin, Pepe Ynguez, Fernando Valenzuela, Jorge Jarrin

The list online is not dated and is the same as last year.

Miami Marline (EE) 2017 Dave Van Horne, Glenn Geffner

http://miami.marlins.mlb.com/mia/schedule/radio_mambi.jsp (03/21/2017)

800	WHOO-FL	1080	WHOO-FL	1450	WSTU-FL	94.9	WINZ-FL
940	WINZ-FL	1230	WBZT-FL	1600	WKWF-FL	95.1	WFKS-FL
1060	WIXC-FL	1240	WMMB-FL				

<u>Miami Marlins (SS)</u> 2017 Rafael "Felo" Ramirez, Luis "Yiky" Quintana http://miami.marlins.mlb.com/mia/schedule/marlins_radio.jsp (03/21/2017) 710 <u>WAQI-FL</u>

<u>Milwaukee Brewers (EE) 2017</u> Bob Uecker, Jeff Levering, Lane Grindle, Kent Sommerfield <u>Milwaukee Brewers (SS) 2017</u> Hector Molina

http://milwaukee.brewers.mlb.com/schedule/radio_network.jsp (03/21/2017)

11000.77	minivadice.bieve		composite a are, radio		0111.,500 (00,21,201)	,	
550	WSAU-WI	1310	WIBA-WI	92.3	WRLS-WI	98.3	WCQM-WI
570	WMAM-WI	1330	WHBL-WI	92.7	WCLO-WI	98.7	WISS-WI
580	WKTY-WI	1350	WPDR-WI		WDUX-WI	99.7	WWIS-WI
590	WJMS-MI	1360	WTAQ-WI	93.9	WDOR-WI	99.9	WSAU-WI
620	WTMJ-WI	1400	WRDB-WI	94.3	WQPC-WI	106.1	WACD-WI
940	WFAW-WI	1430	WBEV-WI	95.1	WSAU-WI	106.3	WEVR-WI
960	WTCH-WI	1450	KFIZ-WI	96.1	WTCH-WI	106.6	WHBY-WI
1100	WISS-WI		WRCO-WI	96.5	WHOH-WI	106.7	WATQ-WI
1150	WHBY-WI	1490	WIGM-WI	96.7	WKTY-WI	107.3	WNXR-WI
1230	WCLO-WI	1550	WEVR-WI	97.5	WTAQ-WI	107.7	WRCO-WI
1240	WJMC-WI	1590	WPVL-WI				
	WOMT-WI						

<u>Minnesota Twins (EE)</u> 2017 Dan Gladden, Kris Atteberry, Cory Provus, Bert Blyleven, Jack Morris <u>Minnesota Twins (SS)</u> 2017 Alfonso Fernandez, Tony Oliva

http://minnesota.twins.mlb.com/min/schedule/trn.jsp (04/04/2017) Treasure Island Baseball Network Some FM stations are listed with city and "FM signal"; I am not sure that I have the official translator call letters.

New York Mets (EE) 2017 Howie Rose, Josh Lewin, Wayne Randazzo New York Mets (SS) 2017 Juan Alicea, Max Perez Jiminez, Nestor Rosario The 2016 network list is still online.

New York Yankees 2017 John Sterling, Suzyn Waldman

http://newyork.yankees.mlb.com/nyy/schedule/radio_affiliates.jsp (04/04/2017)

600	WICC-CT	1160	WPIE-NY	1380	WABH-NY	97.9	WUCS-CT
620	WVMT-VT	1190	WSDE-NY	1410	WELM-NY	99.5	WTKW-NY
660	<u>WFAN-NY</u>	1220	WGNY-NY	1420	KKEA-HI	101.9	WFAN-NY
680	WINR-NY	1230	WIXT-NY		WACK-NY	103.5	WUUF-NY
790	WPRV-RI	1310	WTLB-NY	1450	WTSA-VT	104.5	WTMM-NY
960	WELI-CT	1340	WENT-NY	1500	KHKA-HI	105.5	WTKV-NY
980	WXLM-CT		WIRY-NY			107.1	WPIE-NY
1040	WHBO-FL	1350	WRNY-NY	94.3	WSDE-NY	107.3	WNBL-NY

Oakland Athletics (EE) 2017 Ken Korach, Vince Cotroneo, Ray Fosse

http://oakland.athletics.mlb.com/oak/schedule/affiliates.jsp (03/22/2017)

				,			
760	KGU-HI	1240	KPOD-CA	1410	KMYC-CA w	92.7	KATA-CA
790	KFPT-CA	1270	KXBX-CA	1440	KVON-CA	95.7	KGMZ-CA
950	KAHI-CA	1340	KATA-CA	1490	KBLF-CA	103.9	KNRO-CA
970	KESP-CA	1400	KNRO-CA		KRKC-CA	104.9	KRKC-CA
11/10	$VHTVC\Lambda$						

1140 KHTK-CA

1230 WCMC-NJ

Oakland Athletics (SS) 2017 Amaury Pi-Gonzalez, Manolo Hernandez-Douen

http://oakland.athletics.mlb.com/oak/schedule/affiliates.jsp (03/22/2017)

790 KEJY-CA a 990 <u>KATD-CA</u> a 1010 KIQI-CA a 1300 KWRU-CA a

Philadelphia Phillies (EE) 2017 Scott Franzke, Larry Andersen, Jim Jackson, Gregg Murphy

http://phillies.mlb.com/phi/schedule/radio_network.jsp (03/22/2017) 1240 WBAX-PA 1400 WRAK-PA 630 WEJL-PA 92.7 WONN-PA 830 WEEU-PA 1270 WLBR-PA 1440 WNPV-PA 93.1 WEZW-DE 94.1 WIP-PA 930 WHLM-PA 1320 WGET-PA 1470 WSAN-PA 1070 WKOK-PA 1490 WBCB-PA 1340 WMID-NI WZXL-DE 100.7

Philadelphia Phillies (SS) 2017 *Rickie Ricardo, "Gringo Malo"

http://phillies.mlb.com/phi/schedule/radio_network.jsp (03/22/2017) 1020 WIBG-NJ 1400 WEST-PA 1680 WTTM-NJ

1360 WPPA-PA

<u>Pittsburgh Pirates</u> 2017 Greg Brown, Joe Block, Steve Blass, John Wehner, Bob Walk

http://pittsburgh.pirates.mlb.com/NASApp/mlb/pit/schedule/radio_network.jsp (03/22/2017) 590 WMBS-PA 1270 WCBC-MD 1440 WAJR-WV 92.7 WLYC-PA 600 WFRM-PA 1280 WJST-PA 1450 WFRA-PA 93.7 KDKA-PA 630 WJAW-OH 1310 WNAE-PA WJPA-PA 96.7 WLLF-PA

680 WISR-PA 1330 WETZ-WV WQWK-PA 97.5 WDDH-PA 1460 WMBA-PA WKAZ-WV 1340 WTRN-PA 102.7 WNAE-PA 1390 WNIO-OH 104.1 WETT-WV 850 WNTJ-PA 1480 WCNS-PA 930 WRVC-WV WKLP-WV 1490 WESB-PA 106.3 WCDK-OH 990 WLLI-PA 1400 WJET-PA WMGW-PA

1150 WHUN-PA WBBD-WV WTCS-WV
1160 WCCS-PA 1420 WCED-PA 1540 WECZ-PA
1230 WBVP PA 1430 WVAM PA

1230 WBVP-PA 1430 WVAM-PA WTIV-PA WEIR-WV



101.7 WDEL-DE

Saint Louis Cardinals 2017 *John Rooney, Mike Shannon

The 2016 network list is still online.

<u>San Diego Padres (EE)</u> 2017 Ted Leitner, Jesse Agler <u>San Diego Padres (SS)</u> 2017 Eduardo Ortega

There is no evidence of any network.

860 <u>XEMO-MX</u> S 94.9 <u>KBZT-CA</u>

San Francisco Giants (EE) 2017 Jon Miller, Dave Flemming, Duane Kuiper

San Francisco Giants (SS) 2017 Erwin Higueros, Tito Fuentes

The list online is undated and is the same as last year.

20							
Seattl	e Mariners 2017 R	ick Ri	zzs, Dave Sims, Aar	ron Go	oldsmith		
http://	/seattle.mariners.ml	b.com	/NASApp/mlb/sea/	sched ¹	ule/broadcast affil	iates.isı	03/22/2017)
-	KTZN-AK		KWIQ-WA		KGDC-WA		KFKB-WA
690	KRCO-OR		KMAS-WA		KXRO-WA		KLOG-WA
710	KIRO-WA		CKST-BC	1340	KJOX-WA		11200 1111
750	KXTG-OR		KPUG-WA		KRLC-ID	02 1	KCRK-WA
800	KINY-AK		KIFW-AK		KBBO-WA		KXTG-OR
840	KMAX-WA	1240	KEJO-OR		KBRC-WA	104.5	KBBO-WA
900	KKRT-WA		KTIX-OR		KONP-WA		
920	KXLY-WA		KXLE-WA	1470	KELA-WA		
930	KTKN-AK	1300	KLER-ID				
Tamp	a Bay Rays (EE) 20	17 Ar	ndv Freed. Dave Wi	ills. Ne	eil Solondz		
	/mlb.mlb.com/tb/fai					a graph	ical image
	WORL-FL		WSRO-FL		WLTG-FL		WSRQ-FL
620	WDAE-FL		WFWN-FL		WWJB-FL		WXJB-FL
790	WLBE-FL		WNOG-FL		WBZW-FL		•
				1320	VVDZVV-FL		WWJB-FL
850	WRUF-FL		WMEL-FL	00.5			WYKE-FL
1010	WJXL-FL		WDCF-FL		WJXL-FL		WORL-FL
1070	WKII-FL	1400	WZHR-FL	95.3	<u>wdae-fl</u>	105.9	WTZB-FL
1220	WSRQ-FL	1410	WIQR-AL		WRUF-FL	106.9	WSRQ-FL
Texas	Rangers (EE) 2017	' Eric l	Nadel, Matt Hicks,	Iared S	Sandler		
	texas.rangers.mlb.c					17) PDF	7
	KHGZ-AR		KBWD-TX		KLRK-TX		KHGZ-AR
	KPET-TX	1360					
690		1.400	KHEY-TX	1000	KRZI-TX	99.1	KRZI-TX
710	KGNC-TX	1400	KKTK-TX				KAKS-AR
900	KCLW-TX		KREW-TX		KRWR-TX	100.5	KBLY-TX
	KPYN-TX	1410	KNTX-TX	92.7	KBEU-AR	100.7	KZYP-AR
960	KGKL-TX	1440	KEYS-TX		KJVC-LA		KPXI-TX
1150	KZNE-TX	1450	KSNY-TX		KALP-TX g	100.9	KHLE-TX
1230	KSEY-TX	1470	KGND-OK		KASR-TX j		KTON-TX
	KSST-TX		KDHN-TX	93 9	KSTV-TX	101.3	KLRK-TX
1240	KVLF-TX w	1480	KBST-TX	94.3	KSEY-TX		KZNE-TX
			KRUI-NM		KZDC-TX		KIVY-TX
		1470	KRUI-NWI KBIX-OK				
	KLGO-TX			95.5	KPYN-TX		KMHT-TX j
1290			KKBI-OK	0.4	KXPN-TX		KGAS-TX
	KIVY-TX		KNEL-TX	96.1			KBEF-LA
	KSYB-LA j		KPLT-TX	96.3	KPLT-TX	105.1	KWMW-NM
1310	KZYP-AR	1510	KSTV-TX	97.1	KYAL-OK	105.3	KRLD-TX
1320	KNCB-LA	1550	KYAL-OK	97.3	KTTU-TX	105.5	KNAS-AR
1330	KTON-TX	1560	KEBC-OK	97.9	KUOA-AR	106.9	KYXK-AR
1350	KCAR-TX		KZQQ-TX	98.5	KBXJ-TX	107.7	KRXO-OK
1000	1101111111	1580	KGAF-TX	, 0,0	112719 171	20	
		1000	ROII IA				
Toyac	Rangore (SS) 2015	Flore	o Ornolas Ioso Cuz	man			
	Rangers (SS) 2017				1:	17\ DDI	7
-	texas.rangers.mlb.c				, <u>.</u> .		
	WKY -OK		KFLC-TX		KYZS-TX	103.1	KHHL-TX
1260	KBHC-AR	1390	KDQN-AR	1550	KNSH-TX		
Toron	to Blue Jays 2017	Jerry I	Howarth, Mike Wil	ner, Jo	e Siddall		
	toronto.bluejays.m						
	e note that not all st						
570	CKGL-ON		CFAC-AB		CFYM-SK	90.5	CJMB-ON
590	CICL-ON		CFPL-ON		CICS-ON		CINI-NS
600	CKAT-ON		CHOK-ON		CFRW-MB		CKER-AB
						101./	CNLN-AD
610	CHNL-BC	1130	CKFR-BC		CIWW-ON		
690	CKGM-QC	1100	CJSL-SK		CJYM-SK		
920	CKNX-ON	1190	CFSL-SK	1410	CKST-BC		

Washington Nationals 2017 Charley Slowes, Dave Jageler

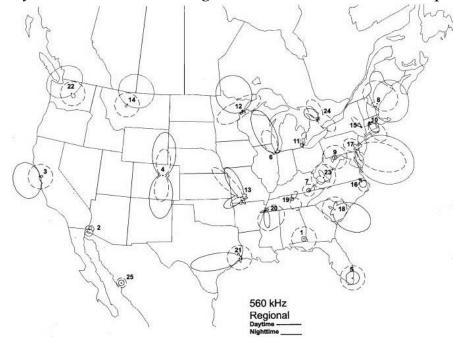
http://washington.nationals.mlb.com/was/schedule/radio_affiliates.jsp (03/22/2017)

	0		, ,	-,	- -	, -	,
740	WRNR-WV	1450	WFTR-VA	94.7	WIAD-MD i	105.1	WBRG-VA
820	WWFD-MD		WMVA-VA	96.5	WHGB-PA	106.5	WRNR-WV
950	WXGI-VA	1490	WWNB-NC	98.1	WOBX-NC	106.7	WJFK-VA
1050	WBRG-VA	1500	WFED-DC	100.5	WZEZ-VA		W294BO-VA
1140	KXST-NV	1570	WECU-NC	102.1	WCMD-MD	107.5	WCHV-VA
1230	WCMD-MD	1580	WJFK-MD	103.9	WWNB-NC		
1440	WGLD-PA						

- a "Night/Weekend Home Games Only"
- b Only games after 6pm ET
- c Conflict station
- e Weekday games before 3pm ET
- f Weekday games after 3pm ET, All weekend games
- g Weekday games onlys
- i The Nationals' list has "Washington, DC 94.7 FM-HD3". WIAD is in Bethesda, MD.
- j Houston Astros and Texas Rangers
- k Cincinnati Reds and Cleveland Indians
- 1 There is a schedule of eight Cardinals games to be broadcast in Spanish in April and May at: http://stlouis.cardinals.mlb.com/stl/images/schedule/2017_Cardinals_Radio_Spanish_Broadcast_Schedule.pdf There is nothing about the station nor announcers.
- w Weekend games only

NRC Antenna Pattern Book, 7th Edition

The 7th Edition of the NRC *Antenna Pattern Book* is now available. This all new edition prepared by NRC'er Paul Swearingen is an all-inclusive book of patterns for both Day and Night operation of



stations in the USA, Canada and selected foreign stations. The data for the book comes from the 34th Edition of the *AM Radio Log* and NRC'er John Callerman's comprehensive Mexican station listing.

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

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



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