



DX MONITOR

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International Radio Club of America

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I fixed the edition number this time (I can resend the last two issues if you let me know – pb). No tips were received for the Verification Signers column during March, so there is no column this issue. I am moving my deadline for the May column up one week to Monday, May 21 at 1500 ELT – Steve H. Send your tips to Steve Howe – showe@albany.edu. Next Seattle deadline **Monday** 5/14/18 6 PM PLT.

2018 IRCA Convention

The 2018 IRCA convention will be held at the Best Western Plus Charles Inn in St Charles MO on September 7 and 8 2018. The hotel is located at 1425 S Fifth Street in St Charles, NW of I-70 exit 229B, or the first exit west of the Missouri River, eight miles west of the Lambert St Louis International Airport. The room rate is \$104.99 a night for either a standard king or two queens. The phone number to call the hotel directly to make reservations for that weekend is (636) 946-6936 or toll-free at 1-888-274-0988. When calling to make the reservation, you must mention the code IRCA to get the rate. There is a block of 30 rooms reserved at that rate for each night for your choice of a single or double bed, your choice. Reservations must be made by August 7 2018. One note, if all the rooms for this block sell out, then the meeting room at the hotel will be complementary. Registration fee is only \$25 per person with free breakfast. There

will be a tentative radio tour of KCLC FM 89.1 at Lindenwood College in St Charles as well as another possible radio tour and a possible tentative radio tower visit. Banquet is out of pocket and the place will be announced at a later date, possibly soon. Your host for the convention is Ken Hawkins. You can either email him at StLouisHerdFan@gmail.com or you can call him on this cell phone at (636) 577-4295. Registration and auction items can be sent to 4034 San Fernando Ln, St Charles MO 63304-2829.

Make your plans and reservations now for the 2018 IRCA convention as this will probably be one of the best! **All DXers are welcome!**

This year's IRCA convention will be an excellent chance to re-connect with old friends and to share DX stories. Speaking of sharing, we issue our annual **call to action** for those who wish to present a talk or paper during the convention. As you know, this can be as *formal* or *informal* as you want. To make it easier, we can provide you with audio-visual support, including slide-preparation and display.

If you're interested in sharing your experiences... or if you want to present questions for discussion that might lead to a better understanding of a particular aspect of your own DXing, please contact Mark Durenberger at Mark4@durenberger.com



IRCA ELECTION – Nick Hall-Patch – 1538 Amphion St – Victoria BC Canada V8R 4Z6
E-mail: nhp@ieeee.org

The ballot must be **RECEIVED** by the Election Committee Chairman, Nick Hall-Patch, no later than 0001 hours Eastern Standard Time, **May 15 2018**. You may simply state your votes in a regular e-mail text, if you so choose. E-mail to: nhp@ieeee.org



BROADCASTING INFORMATION – Robert J Wien – 14051 Belle Chasse Blvd #415 – Laurel MD 20707
E-mail: wienbob@aol.com Phone: 301-477-3733 Column Deadlines: Saturdays

DATE OF COLUMN: April 21 2018 Column data span: April 07-21 2018, Data courtesy of Stationintel.com, FCC database and member contributions.

CALL CHANGES

FREQ	OLD CALL	CITY OF LICENSE	NEW CALL
1250	WHHQ	Bridgeport, MI	WJMK
1380	KDXE	North Little Rock, AR	KZTS
1420	WJUB	Plymouth, WI	WGXI

FORMAT, SLOGAN AND SILENT STATUS CHANGES

FREQ CALL CITY OF LICENSE

620	WTMJ	Milwaukee, WI
900	WATV	Birmingham, AL
990	KRKS	Denver, CO
1160	WCFO	East Point, GA
1210	KHKR	Washington, UT
1220	KLDC	Denver, CO
1230	WAYX	Waycross, GA
1240	KRAL	Rawlins, WY
1250	WJMK	Bridgeport, MI
1260	WNOO	Chattanooga, TN
1310	WAUC	Wauchula, FL
	WSLW	White Sulphur Spring, WV
1320	WDSR	Lake City, FL
	WKRK	Murphy, NC
1330	WINT	Willoughby, OH
1340	KTMP	Heber City, UT
1350	WWWL	New Orleans, LA
1370	WQEZ	Fort Campbell, KY
1390	KNCK	Concordia, KS
1400	WFLL	Fort Lauderdale, FL
1440	KPTO	Pocatello, ID
1450	WZGX	Bessemer, AL
	WTBO	Cumberland, MD

NEW INFORMATION

old slogan: "620 WTMJ Newsradio", new: "620-103.3 WTMJ Newsradio"
was R&B oldies, now urban contemporary
old slogan: "990AM The Word", new: "990 AM The Word"
was talk, now religious teaching, old slogan: "NewsTalk 1160-Talk Of The Town", new: "1160AM The Quest"
was classic country, now ESPN Radio Network sports, old slogan: "Big Classic Country 1210", new: "Sports Radio 97.7"
old slogan: "Serving God and Country KLDC AM 1220-95.3", new: "KLDC AM 1220-95.3"
was unknown format, now R&B oldies
now silent
was unknown format, now soft adult contemporary, adds slogan: "1250 MeTV"
adds urban adult contemporary as secondary format
was ranchera, now country, old slogan: "Radio Mexicana", new: "Heartland's Country Favorites"
old slogan: "Valley's Choice", new: "News Talk 97.3"
was country, now talk, old slogan: "95.5 The Falcon", new: "The Talkers"
old slogan: "Christian Radio WKRK", new: "Christian Radio WKRK 105.5 FM 1320 AM"
old slogan: "Integrity Radio", new: "Integrity Radio 101.5-1330 AM"
was 80's Hits, now classic hits
old slogan: "Hot 103.7", new: "The New Hot 92.9"
was adult hits, now soft adult contemporary, old slogan: "Rewind 94.3", new: "EZ 99.9"
adds slogan: "Concordia Radio"
adds slogan: "Nossa Radio USA"
was silent, back on with new unknown format
was silent, now regional Mexican
was CHR, now oldies, old slogan: "Happy 105.7", new: "WTBO 97.9-1450 Oldies"

1490	KJOQ	Duluth, MN	old slogan: "The Jock 1490", new: "Twin Ports Sports"
	KFCR	Custer, SD	was silent, now classic rock, adds slogan: "Kool Kat Radio 1490AM"
1510	KMND	Midland, TX	was ESPN Radio Network, now Fox Sports Radio, old slogan: "ESPN Radio", new: "Fox Sports Radio"
1540	KGBC	Galveston, TX	was talk, now Tejano
1580	WJFK	Morningside, MD	was talk, now ESPN Deportes Radio Network Spanish sports, old slogan: "Connecting Vets 1580", new: "El Zol Deportes 1580"
1600	WZNY	Atlantic Beach, FL	was business news, now talk, old slogan: "100.3 The Biz", new: "Talk 100.3"

MEMBER CONTRIBUTION

John T Arthur of Belfast NY sends along the following corrections to the column dated 4/18/18:

BCI in Vol 55 # 28 stated that 1590 – WGGO, NY, Salamanca, was news/talk. This is untrue. Based on monitoring, they are now parallel to their FM station (WQRS-98.3) as "98 Rocks".

Also: 1380-WABH, NY, Bath, apparently dropped the "Nash Icon" brand at the end of March. They now announce solely as "Big Country" and parallel their 100.3 translator.

Bit of a shorter column this time around, thanks to John for the tip above. Started my new job on Monday April 9th, working at Fort Meade MD for a company called Linquest subcontracting to Booz-Allen-Hamilton doing engineering duties for the DISA teleport system. Now I just have to figure out what I'm doing, heh. Spring has definitely sprung (finally!) on the east coast, nice temps here in the 50's and 60's and sunny weather, everything is finally blooming. Hope your DX continues to flower, the season isn't over yet, keep reporting to your respective columns including this one! 73's. **Bob Wien**



CANADIAN RADIO NEWS – Dan Sys
E-mail: sysdan@gmail.com

A couple of updates from **Jon Pearkins**.

1130	BC	Vancouver	CKWX	A Vancouver engineer suspects their antenna system is the cause of their many transmitter outages, usually short, but a day-long outage did occur on 04/23 at 1133 when the 50KW transmitter was off the air for about a minute, with the next day or so from the backup transmitter. Propagation, especially Skip, is poor from the roughly 100 foot Rubber Ducky antenna (electrically short monopole antenna) on top of the three storey studio building, powered by a 1KW transmitter.
1410	BC	Vancouver	CFTE	Began new Format on 04/30: changed from All Sports to All Business News, and branding from "TSN 1410" to "BNN Bloomberg Radio", with much of the programming a simulcast of Canadian cable channel BNN. This ends Vancouver's impossible situation of having three All Sports stations, all on AM. Canada has only ever had one other radio station running All Business News: the ill-fated CFBN-1280 at Toronto International Airport in 2007.



WESTERN DX ROUNDUP – Nancy Johnson – 2922 S Olivewood – Mesa AZ 85212-2923
E-mail: NancyJohnson@prodigy.net

WDXR DEADLINES: May 11, May 25, June 8, June 22, July 13, July 27, August 10 and August 24. Please use Eastern Local Time.

REPORTERS FOR THIS ISSUE:

- (BB) **Bill Block**-Prescott Valley AZ billblock@cableone.net
R8, Wellbrook ALA1530LNP
- (GH) **Glen Hansen**-64985 Olson Road-Deer Island OR 97054 gbhansen2@outlook.com
JRC NRD 545, R-390A, Hammarlund SP-600, various wires, Kiwa loop
- (JCJ) **John Johnson**-2922 S Olivewood, Mesa AZ 85212 John_Johnson@prodigy.net
Icom IC-R75, Wellbrook ALA1530LNP
- (JP) **Jon Pearkins**-Edmonton AB jon@pearkins.com
Sangean PR-D5 with Sony boombox as audio amp
- (DV) **Dennis Vroom**-Kalama WA vroomski@ymail.com
HQ-180, 4 foot loop

- *****
- 860 KTRB **CA**, San Francisco heard 4/25 at 0933 with "KTRB 860 The Answer." (BB-AZ)
 - 1130 KBMR **ND**, Bismarck 3/24 0054 C&W all alone and very weak until 0057 when an almost as weak CKWX faded in and out over KBMR; CKWX was using 1kw backup transmitter into a short tower on top of their studios with poor ground conductivity; CKWX's main transmitter failed 3/23 1133 but was working by evening of 3/24. Confident it was KBMR as friend in Saskatoon ID'd them around the same time. (JP-AB)
 - 1200 KYAA **CA**, Soquel 4/19 0000 religious call in talk show, very strong signal like a local on JRC with N-S wire. (GH-OR)
 - 1230 KORT **ID**, Grangeville 4/3 0015 vocal music with many "KORT" IDs. Very scratchy and weak on JRC and E-W wire. (GH-OR)
 - 1240 KJOP **CA**, Lemoore 4/25 on top of the mix 0800 with "Talk radio for Catholic life, KJOP Lemoore. Relevant Radio 1240" legal ID. New for me. (JCJ-AZ)
 - KEZY **CA**, San Bernardino 4/23 faded up in mix at 0800 with "KEZY" ID. New for me. (JCJ-AZ)
 - KSMA **CA**, Santa Maria 4/24 mixing with KJOP 0759 with calls in promo "right here on KSMA." New for me. (JCJ-AZ)
 - 1330 KOVE **WY**, Lander 4/22 2340 man said "1330 Country K-O-V-E." Fair for a few minutes then lost on R-390A and E-W wire. New! (GH-OR)
+4/24 0133 C&W music with KOVE ID after song. Fair signal over semi-local KKPZ. Call letter ID's after every song. New station here. Thanks Glen Hansen for the tip. (DV-WA)
 - 1360 KOHU **OR**, Hermiston 4/2 0000 C&W with many IDs. Weak and choppy but alone with KUIK off, on JRC with N-S wire. (GH-OR)
 - 1370 KXTL **MT**, Butte 4/5 2240 talk show, strong for a moment or two then tangled up with unID, almost completely gone, on R-390A and Kiwa. (GH-OR)
 - 1410 KMYC **CA**, Marysville 4/19 0230 ads for local business, talk programming, very weak. Many "The Patriot" IDs, on JRC with N-S wire. (GH-OR)

UnID
1410 UnID 4/18 0200 very weak and scratchy, ID's only as "1410 The Brick." That's all I could make out. (GH-OR)

Thank you WDXR reporters to this issue! – Nancy 4/27 1900



CENTRAL DX ROUNDUP – John C Johnson – 2922 S Olivewood – Mesa AZ 85212-2923
E-mail: John_Johnson@prodigy.net
CDXR reports ONLY: cdxr@ircaonline.org

RIDING GAIN

[EB-MO] **Eric Bueneman**, Hazelwood MO NOUIHEric@gmail.com
CountyComm GP-5/SSB Ultralight receiver, Grundig AN-200 tunable loop, General Electric Superadio III

DOWN THE DIAL

- 680 CFTR **ON**, Toronto. 4/16 good signal over WMFS. 0411 noted with traffic report, mention of several roads closed due to flooding, local spots, "All news radio, Six-80 News" ID, news headlines, sports report with a "Sports Net Five-90 the Fan" mention. [EB-MO]
- 1110 KFAB **NE**, Omaha. 4/22 fair to poor signal with ACI from KMOX 1120 in analog mode. 0530 noted with local spots, one mentioning a phone number in Area Code 402. [EB-MO]

- 1240 WENK **TN**, Union City. 4/22 fair, mixing with KBIZ, KOKL, WTAX and other stations. 0513 with Oldies Format, "WENK, WTPR" dual-station ID. [EB-MO]
 1260 WSDZ **IL**, Belleville. 4/23 good signal over WNDE. 0427 noted with Urban Gospel format, "Praise 95-point-One, the Saint Louis gospel experience" ID. Must have been on day power. [EB-MO]
 1340 KROC **MN**, Rochester. 4/26 fair to poor over other stations. 0504 with local spots, end of ABC news, weather forecast, calls into *Red Eye Radio*. [EB-MO]
 1360 WLBK **IL**, DeKalb. 4/16 fair to poor signal, mixing with KSCJ, WSAI and other stations. 0400 noted with "AM 13-60, WLBK DeKalb" legal ID. [EB-MO]
 1440 KTUV **AR**, Little Rock. 4/26 fair to poor signal over WROK. 0530 noted with local spots in Spanish. [EB-MO]
 1650 KCNZ **IA**, Cedar Falls. 4/26 fair signal over KFSW. 0537 noted with local spot, weather forecast, "16-50 the Fan" ID into *After Hours with Amy Lawrence* from CBS Sports Radio. [EB-MO]

FLASHBACK

50 Years Ago – April 20 1968 issue of "DX Monitor" ... **Patrick Martin** of Seaside OR logged 2NR 700 and 3LO 770 ... **Larry B Godwin** of Littleton CO compared his HQ-150 with a new HQ-180-A ... **Father John Pejza** of Ojai CA told about XETRA dropping their all news format ... **Terry Greenhill** of Hertford, Hertfordshire, England discussed Radio Caroline North and Radio Caroline South going off the air March 3rd. // **25 Years Ago** – April 24 1993 issue of "DX Monitor" ... **Patrick Martin** of Seaside OR thanked **JD Stephens** for setting up all the great DX Tests ... **Dennis Gibson** of Goleta CA said he joined IRCA a year ago and was 37 ... **Karl D Forth** of Chicago IL mentioned all the new stations logged from DX Tests this past season.

OPEN MIKE

Thanks to Eric we have a column this week. This column was typed 4-27-18. 73, John



EASTERN DX ROUNDUP – **Eric Bueneman (NØUIH)** – 631 Coachway Lane – Hazelwood MO 63042-1347
 E-mail: n0uiheric@gmail.com DEADLINES: Friday 2359 ELT

TUNING THE DIALS THIS ISSUE:

- (KK-VA) **Kraig Krist** (KG4LAC), Manassas VA
 Winradio G33DDC software-defined receiver, Wellbrook ALA1530S+ Imperium loop
 (PS-ON) **Paul Snider**, Welland ON, Canada paulisnider@yahoo.ca
 Elad FDM-S2 software-defined receiver, Pixel RF Pro-1B loop, MFJ-1020C as a tuner

ACROSS THE DIAL

- 560 WQAM **FL**, Miami – 4/21 0526 noted with "...came to play on South Florida's Football Station, WQAM" mention by a male announcer. The signal was noted mixing with WFIL and unidentified stations with Talk and Country formats. (KK-VA)
 570 WTBN **FL**, Pinellas Park – 4/21 0530 noted with "Faith Talk 570 WTBN" ID by a male announcer. The signal was noted mixing with WWRC, Radio Reloj and an unidentified vocal music station. (KK-VA)
 590 WDWD **GA**, Atlanta – 4/21 0533 noted with "Faith Talk Atlanta WDWD" ID by a male announcer. The signal was noted mixing with WLES, WVLC and unidentified stations with sports talk and vocal music in English and Spanish. (KK-VA) (Your unidentified sports talk station is most likely either CJCL Toronto ON or KXSP Omaha NE – eb)
 WVLC **KY**, Lexington – 4/21 0602 noted with "Here's the stories we're talking about on News/Talk 590 WVLC AM and 97.3 FM" mention by a male announcer. The signal was noted mixing with WLES, WDWD and unidentified stations with sports talk and vocal music in English and Spanish. (KK-VA) (97.3 refers to W247CT Lexington KY – eb)
 840 CFCW **AB**, Camrose – 4/11 2258 noted with a Country format featuring selections by Luke Combs and Shane Yellowbird, "Alberta's Country Legend, CFCW" jingle at 2302 into another music set. A poor to very poor signal was noted under WHAS and WRYM; confirmed by Tune-In Web stream. (PS-ON)
 1140 WVHF **MI**, Kentwood – 4/14 2315 noted with *Call Me Catholic*, promos and underwriting announcements at 2330, more promos, underwriting announcements, weather forecast, "Holy Family Radio" mention, "1140 WVHF" ID at 2400; other stations mentioned. A poor to very poor signal was noted under WRVA; confirmed by the Holy Family Radio Tune-In Web stream. This is the same program as KGEM, but promos, underwriting announcements and weather forecast didn't match. (PS-ON)
 1230 WCBT **NC**, Roanoke Rapids – 4/13 2200 noted with "Sports Radio 1230, the Ticket" ID by a male announcer. The signal was noted mixing with an unidentified Oldies station. (KK-VA)
 WOIC **SC**, Columbia – 4/13 2000 noted with "This is ESPN Columbia, 1230 AM" ID by a male announcer. The signal was noted mixing with a tentative WJOY. (KK-VA)
 WJOY **VT**, Burlington – TENTATIVE. 4/13 1956 noted with mention of "Burlington Cal Ripken baseball" by a male announcer. The signal was noted mixing with WOIC. (KK-VA) (Cal Ripken Baseball may be the name of a youth baseball league; a number of youth baseball leagues are named after baseball Hall of Famers, like the Babe Ruth League and the Stan Musial League – eb)
 1240 WJNC **NC**, Jacksonville – 4/14 0159 noted with "This is Smart Radio; you're listening to 107.3 WTKF and...1240 WJNC" ID by a female announcer. The signal was mixing with WCNC. (KK-VA)
 WGMN **VA**, Roanoke – 4/14 0030 noted with mention of "Brought to you by ESPN Lynchburg... and 93.3 W227BG Timberlake" by a male announcer. The signal was noted mixing with WCNC and WJNC. (KK-VA)
 1580 WJFK **MD**, Morningside – 4/15 2246 now an ESPN Deportes affiliate with sports programming in Spanish. Noted with coverage of a sporting event, "El Zol Deportes" ID in Spanish, "WJFK Morningside" legal ID in English over coverage at 2257 before returning to the event. A fair at times to very poor signal, battling with CKDO. (PS-ON)
 WVKO **OH**, Columbus – 3/30 1935 noted with an Urban Gospel format, "1580 WVKO, 92.9 FM Columbus" ID and what sounded like "The Drone" slogan. It definitely wasn't "Praise" or "Promise". (KK-VA) (The slogan "The Drone" is more appropriate for a Hip-Hop station; the official slogan is "1580 the Praise", according to their Web site – eb)
 1600 WTZQ **NC**, Hendersonville – 4/5 1943 noted with an Adult Standards format, "The Greatest Music of the 20th Century, The Q, 95.3 FM and AM 1600" ID by a male announcer. The signal was noted mixing with WCPK, WPDC, WZZW and unidentified stations with Christian teaching in English and vocal music in Spanish. (KK-VA) (The unidentified Spanish station is likely WAOS Austell GA – eb)
 WZZW **WV**, Milton – 4/5 1942 noted simulcasting WVHU 800 Huntington, WV with Pittsburgh Pirates baseball BBP, "News Radio 800 WVHU" ID by a male announcer. The signal was noted mixing with WCPK, WPDC, WTZQ and unidentified stations with Christian teaching in English and vocal music in Spanish. (KK-VA)
 1660 WBCN **NC**, Charlotte – 4/11 1925 noted with a Southern Rock format, "This is 94-7 Smoke; it's all about the South" ID by a male announcer. The signal was noted mixing with WCNZ, WQLR, WWRU and an unidentified Spanish language station. (KK-VA)
 1680 WOKB **FL**, Winter Garden – 4/11 2028 noted with an Urban Gospel format, "WE are the Heart and Soul of the Community; we are WOKB 1680" ID by a male announcer. The signal was noted mixing with WPRR, WQOQ305 and an unidentified Spanish language station. (KK-VA) (Your unidentified Spanish station is WTTM Lindenwold NJ – eb)

UnID

- 1230 UnID 4/14 0355 noted with mention of "...102.5 FM, W... together" mention by a male announcer. (KK-VA) (Radio Locator indicates that WBHP Huntsville AL holds a CP for relay W260BJ to move from 99.9 to 102.5; this relay may have made the move – eb)

EDITOR'S NOTES

Thanks to Kraig and Paul for their logs this fortnight! You still have time to make your plans for this year's IRCA Convention in St Charles MO, hosted by Ken Hawkins, the weekend after Labor Day. 73 and good DX from NØUIH, the Florissant Valley Dial Twister



DX WORLDWIDE/TROPICAL BAND DX – Brandon Jordan – PO Box 338 – Rossville TN 38066
E-mail: dxww.irca@gmail.com all times UTC

Deadline – Sunday Midnight Central Time.

*** TRANS-ATLANTIC DX ***

- 531 **ALGERIA** Jil FM, F'kirina Wilaya d'Oum El Bouaghi. APR 20 0000 – Female vocal Arabic dance music; to good peak. [Connelly*Y-MA]
 549 **ALGERIA** Jil FM, Les Trembles. APR 17 2359 – Dance club Arabic music; fair. [Connelly*Y-MA]
 783 **MAURITANIA** Radio. Mauritanie, Nouakchott. APR 8 0000 – Female Arabic vocal; fair.
 +APR 22 0000 – Shrieky vocal, west African percussion; to good peak. [Connelly*Y-MA]
 837 **CANARY ISLANDS/SPAIN** COPE synchros. APR 9 0300 – Pips, COPE net ID, man and woman with political news; to fair peak.
 +APR 21 0000 – Fanfare music, Spanish news by woman; through WCRN slop. [Connelly*Y-MA]
 855 **SPAIN** RNE1 synchros. APR 7 2300 – Radio Nacional de Espana ID, news; fair. [Connelly*Y-MA]
 864 **EGYPT** Holy Koran Program, Santah. APR 20 0000 – Koran; fair over WCBS IBOC hiss. [Connelly*Y-MA]
 882 **UNITED KINGDOM** BBC Radio Wales, Washford et al. APR 9 0300 – BBC news mentioned Syria; mixed with COPE and bad WCBS slop. [Connelly*Y-MA]
 981 **ALGERIA** Chaîne 2, Ouled Fayet, APR 7 2300 – 5+1 pips (last higher pitch), woman with news; in slop. [Connelly*Y-MA]
 1089 **UNITED KINGDOM** TalkSport synchros. APR 17 2359 – Man "live on Talk Sport"; fair. [Connelly*Y-MA]
 1107 **SPAIN** RNE5 synchros. APR 8 0100 – RNE news; poor. [Connelly*Y-MA]
 1152 **ROMANIA** SRR Radio RomAnia ActualitĂEi, Cluj-Napoca/Jucu. APR 9 0300 – News starts with Morse KS; in WWDJ slop. [Connelly*Y-MA]
 1215 **UNITED KINGDOM** Absolute Radio synchros. APR 8 0100 – Absolute Radio ID, male rock vocal; to fair peak.
 +APR 18 0100 – Absolute Radio Two O'Clock Rock promo, Beatles "While My Guitar Gently Weeps"; fair. {A} [Connelly*Y-MA]
 1386 **LITHUANIA** Radio Baltic Waves/Radio Liberty, Viesintos. APR 8 0100 – Radio Svoboda IDs, fanfare music, Russian talk; to good peak. {A}[Connelly*Y-MA]

*** PAN-AMERICAN DX ***

- 530 **CUBA** Radio Rebelde, Guantanamo. APR 9 0259 – Rebelde news with splash sound effects; over presumed Enciclopedia orchestral music.
 [Connelly*Y-MA]
CUBA CMBQ, Radio Enciclopedia, Villa Maria. APR 22 0000 – Samba theme music, woman with Radio Enciclopedia ID; over other Spanish language station. [Connelly*Y-MA]
 540 **DOMINICAN REPUBLIC** HICM, Radio ABC, Santo Domingo. APR 22 0001 – Radio ABC ID, Santo Domingo mentions; over others. [Connelly*Y-MA]
 550 **VENEZUELA** YVKE, Mundial, Caracas. APR 18 0000 – Mundial ID, "en Caracas" mention; briefly over WDEV, USB used to dodge 549 Algerian.
 [Connelly*Y-MA]
 570 **CUBA** Radio Reloj synchros. APR 9 0300 – Reloj in even mix with HJND, WMCA, CFCB. Not as strong as it used to be. [Connelly*Y-MA]
 580 **PUERTO RICO** WKAQ, San Juan. APR 13 0000 – WKAQ cinco ochenta ID, affiliates list, TMobile incoming message sound; way over WTAG.
 [Connelly*Y-MA]
 600 **CUBA** Radio Rebelde, San German-Urbano Noris. APR 13 0000 – Tropical music //670. [Connelly*Y-MA]
PUERTO RICO WYEL, Mayaguez. APR 8 0100 – WKAQ net ID //580; dominant. [Connelly*Y-MA]
 610 **BRAZIL** ZYL268, Radio Itatiaia, Belo Horizonte. APR 9 0301 – Man in Portuguese briefly atop. [Connelly*Y-MA]
CUBA Radio Rebelde, Pinar del Rio et al. APR 9 0300 – Sped up 9 note attention signal //600; mixed with Brazil, domestics. [Connelly*Y-MA]
 630 **PUERTO RICO** WUNO, Radio Uno, San Juan. APR 8 0301 – NotiUno seis treinta AM San Juan ID, affiliates list; to good peak over WPRO.
 [Connelly*Y-MA]
 650 **COLOMBIA** HJKH, RCN Antena Dos, Bogotá, APR 8 0000 – Jingle, RCN net ID, pips, talk about fútbol, Cali mentions. [Connelly*Y-MA]
 720 **COLOMBIA** HJAN, Emisoras Unidas, Barranquilla. APR 13 0000 – Man with reverberated Emisoras Unidas ID, Colombian folk music with accordion, group vocal; fair/dominant. [Connelly*Y-MA]
 750 **VENEZUELA** YVKS, RCR, Caracas. APR 8 0101 – RCR ID in talk by man and woman; mixed with CBGY. [Connelly*Y-MA]
 760 **COLOMBIA** HJAJ, RCN Radio, Barranquilla. APR 22 0001 – Sports shouting, "gol" scream; over WJR. [Connelly*Y-MA]
 770 **COLOMBIA** HJJX, RCN, Bogotá, APR 22 0001 – "Gol" scream //760; under Cuba, WABC. [Connelly*Y-MA]
 800 **BONAIRE** PJB, TransWorld Radio, Kralendijk. APR 13 0000 – Man with Radio Transmundial desde Bonaire ID; over CKLW. [Connelly*Y-MA]
 810 **COLOMBIA** HJCY, Caracol Radio, Bogotá, APR 21 0000 – Caracol Radio ID; over jumble.
 +APR 23 0000 – Banco Popular advert, Caracol ID; over WGY. [Connelly*Y-MA]
PUERTO RICO WKVM, San Juan. APR 22 0000 – ID "Radio Paz, ocho diez." Thanks to Sylvain Naud, Jan Alvestad, and Timo Klimoff on RealDX list for ID help. {A} [Connelly*Y-MA]
 820 **CUBA?** APR 13 0000 – Wobbler clobbering WNYC. [Connelly*Y-MA]
 840 **HAITI** Radio-Télé 4VEH, Cap Haitien-Petite Anse. APR 18 0000 – Man in French; dominant. Interval signal at 0000:52. [Connelly*Y-MA]
 940 **PUERTO RICO** WIPR, San Juan. APR 22 0000 – Spanish talk about National Guard, then man in US English with announcement about the Puerto Rico Army National Guard, ID WIPR nueve cuarenta AM; to good peak, dominant. {A} [Connelly*Y-MA]

CONTRIBUTOR

MC*Y-MA **MARK CONNELLY**, WA1ION, South Yarmouth, Cape Cod MA (GC= 41.6931 N/70.1912 W) (grid FN41vq)
 NOTE: {A} in entry indicates that audio can be accessed from link on the following page: http://www.qsl.net/wa1ion/doc1/audio_2018.htm
 Receiver: Microtelecom Perseus – See <http://microtelecom.it/perseus/>
 Antenna 1: Cardioid-pattern SuperLoop: 10m vertical by 11m horizontal (peak 165 degrees, null 345 degrees)
 Antenna 2: Cardioid-pattern SuperLoop: 9m vertical by 20m horizontal (peak 90 degrees, null 270 degrees)



DXpeditions – Phil Bytheway – 9705 Mary NW – Seattle WA 98117-2334
E-mail: DXM.EiC@gmail.com

Craig Barnes (Kona Coast HI) – via IRCA eGroup

4/17. Having just reviewed the extensive recordings from my first serious TP DX session from the Kona Isle Condos I'll start by providing the highlights with a more extensive report to follow. I set up my portable shack, which is comprised of Gary DeBock's superb hot-riffed Tecsun PL-380 with the also superb 5" FSL on a picnic table on the grounds of the Kona Isle Condominium complex. The picnic table is about 50 ft. From the water. I tried a limited session from the balcony of the 2nd story condo the night before with marginal results. The picnic table by the water is clearly the way to go! Times in UTC.

- 612 0928 woman with commentary w/Aussie accent, pres 4QR.
 621 0933 w/man and woman in Tuvualan? Big S6-7 signal, presumably Radio Tuvalu, big het on freq.
 630 0936 man and woman in w/Aussie accent, presumably 4QN, lots of QRM with this one.
 702 0952 nice armchair signal, man and woman w/commentary on Australian Social Services, discussion on Australian legalization of medical marijuana, presumably 2BL.
 774 1000 man and woman w/fútbol and sports music, Victoria weather, "in Melbourne, it's 14 degrees" 3LO.
 792 1005 w/woman w/Aussie accent, fair, presumably 4RN.
 810 1008 w/woman w/Aussie accent, fair, presumably 2BA
 846 1012 w/woman in Kiribati?, monster armchair signal, S9+, into choir-type singing.
 855 1036 w/announcer w/Aussie accent, poss 4QO or 4QB??
 1017 1053 weak w/woman in Tongan? Poss A3Z??
 1098 1016 w/island type pop music, male speaking in Marshallese? Pres V7AB, also at 1102 w/man and woman, fair to good.

- 1170 1116 w/middle eastern sounding music????
- 1233 1133 w/man and woman Aussie type accent, weak to fair, poss 2NC.
- 1440 1024 w/woman in Kiribati? Into choir type singing, Pres Radio Kiribati.
- 1548 1152 w/woman w/Aussie accent, poor to fair, poss 4QD.

Craig Barnes (Kona Coast HI)

Pete Taylor in Hawaii – via IRCA eGroup

4/21. My wife, a DX-398 and a marvelous Gary DeBock FSL ventured to Kailua-Kona (Big Island), Kaanapali (Maui) and Lihue (Kauai) 3/29-4/16. Time is HST since this is meant to reflect what you would more than likely hear if you were there and not what you would necessarily hear from the Mainland. Except as noted, all loggings are between 8:30-10:30pm local time. Please note there are no Kauai loggings; the time share we were in was hopelessly overwhelmed by QRN. This was disappointing because I was looking forward to comparing reception with what I heard in Poipu in 1984.

- 612 **AUSTRALIA** 4QR, Brisbane. Fair in both Kona and Maui.
- 621 **TUVALU** Funafuti. Reasonable strength in Kona and good on Maui 4/4 5am but only a het on Kauai.
- 666 **JAPAN** JOBK, Osaka, NHK1. Japanese 4/4 5am, Maui.
- 747 **JAPAN** JOIB, Sapporo, NHK1. Even with UniD 4/4 5am, Maui.
- 774 **AUSTRALIA/JAPAN** 3LO/JOUB Melbourne/Akita, NHK2. Mixing it up 4/4 5am, Maui.
- 846 **KIRIBATI** I have no notes indicating I ever heard this station from anywhere.
- 963 **UniD** Very loud 4/4 5am but I didn't hang around long enough to ID it.
- 972 **REP KOREA** HLCA, Dangjin, KBS. Very loud 4/4 5am, Maui.
- 1017 **TONGA** A3Z, Nuku'alofa. Good in Kona but mixed with an excitable 2KY on Maui. I think I heard JJ in there too (JOLB Fukuoka).
- 1044p **CHINA** Changzhou, CRI. Presumed with Japanese programming. Very loud 4/4 5am Maui.
- 1098 **MARSHALL ISLANDS** V7AB, Majuro. Gangbusters in Kona but barely even a het on Maui (KFAZ loud).
- 1350 **UniD** Asian. Sounded Japanese but Hiroshima has only 20kw.
- 1440 **JAPAN** JOWF, Sapporo. Good level with kiddie program 4/11 5am.
- KIRIBATI** Radio Kiribati, Betio. Very strong in Kona but not a peep from it in Maui. From Kona, ABC news 4/1 9pm followed by hymn-like chorale. At 9:37p, weather and tides by soft-spoken lady in English followed by ID. Very strong level.
- 1548 **AUSTRALIA** 4QD, Emerald. Fair 3/31 10p, Kona
- 1593p **CHINA** Changzhou. Chinese fair 4/11 5am. 4/4 5am, Maui.

As for Hawaii, all stations were heard in all three locations. KWAI-1080 is the weakest of the 5kw stations. KIKI-990 has a bad hum. KNUI-550 is poorer in all locations than KMVI-900. In Kaanapali (NW corner of Maui), the mid-island stations (KNUI KCIK KMVI KAOI KEWE KUAU) don't do a great job. Many Honolulu stations are louder.

Strongest US stations every night from both places: 580-KMJ, 1460-KION, 1110-KBND (usually //KPNW-1120 W/CTC), 1580-KBLA

- | | |
|---|---|
| <ul style="list-style-type: none"> 630 CA, Monterey, KIDD (strange variety of semi-classical music). AB, Edmonton, CHED 4/3 9pm, Maui. 640 Unknown under KFI (probably KYUK). 660 AZ, Window Rock, KTNN (chanting) and AB, Calgary, CFFR. 790 CA, Los Angeles, KABC. 850 AK, Nome, KICY. Abrupt carrier cut mid-hymn 9pm 4/10 from Maui. OC 8:55p, Maui (perhaps KICY w/early signoff or prep for pattern change). 860 K-Talk, KPAM or KTRB (maybe it was K-Pam). 890 AK, Homer, KBBI 4/6 9pm, Maui. 910 Spanish, KKSF? | <ul style="list-style-type: none"> 920 Spanish? 960 AB, Calgary, CFAC. Jets Network, 4/10, 8p Maui. 970 AK, Fairbanks, KFBX. W/weather, 4/3 9pm Maui. 1140 AB, High River, CHRB mixed with KHTK. 1150 CA, Los Angeles, KEIB. 1170 CA, San Jose, KLOK. Asian, 4/11 8p, Maui. 1320 CA, Sacramento, KIFM. ESPN. 1380 CTC, presumed KTKZ. 1550 Asian (either KZDG or KRPI). 1600 WA, Blaine, KVRI (Asian). 1600 UniD ESPN. |
|---|---|

Other expected regulars: 670-KBOI, 680-KNBR, 710-KIRO, 720-KDWN, 730-CHMJ, 750-KXTG, 770-KTTH, 780-KKOH, 820-KGNW, 840-KXNT, 930-CJCA, 950-KJR, 980-CKNW, 1010-CBR, 1050-KTCT, 1060-CKMX (under KIPA), 1070-KNX, 1090-sports, 1100-KFAZ sometimes, 1120-KPNW, 1160-KSL, 1190-KEX, 1300-KAPL, 1410-CFTE, 1510-KGA w/Asian under (KSFN?), 1530-KFBK (w/someone under), 1560-KNWZ, 1590-KLIV, 1640-religion (probably KDIA).

For the record, there are Hawaiians on 550 570 590 650 670 690 740 760 830 880 900 940 990 1040 1060 1080 1110 1210 1240 1270 1370 1420 1500 1540 1570.

Both Kailua-Kona (Big Island) and Kaanapali (Maui) are on the West side of their islands. Also, our rooms in both places were facing South/Southwest which was desirable because I was seeking stations in those directions. This was not favorable for Mainland station receptions but that seemed not to be a problem.

The dial was very porous the night of 4/11 on Maui. Also, there was something on just about every domestic frequency while driving around Poipu, Kauai the night of 4/15.

It was fun. Thanks to Gary DeBock for his creation. For the record, TSA people at airports in Kona and Kahului were mystified and took 10-15 minutes to explore before letting the FSL through. Having the descriptive booklet helped.

Pete Taylor, Tacoma WA (FSL courtesy of Gary DeBock)

Musings about DXing aboard a cruise ship (Walt Salmaniw) via IRCA eGroup

4/23. Having spent a month now aboard the Holland America Line cruise ship, the Noordam, and now 5 days out from Honolulu, I thought it might be interesting for some to read about my experiences with DXing from a large cruise ship on the open ocean. This isn't the first time I've DXed, having done so about 9 years ago on almost the same voyage between Sydney, Australia and North America. On that first voyage across the Pacific, I used a brand new Gary DeBock furnished Eton e1 Ultralight receiver, modified with an external ferrite rod, with an adjustable coil. From within the ship, of course, reception is near impossible. On that voyage, I DXed from the aft end of the ship, high up on near the pool, in the open. Most of my DXing occurred after dinner, when the area was deserted. I recall the noise to be very low, and results very good, especially around New Zealand, where I was able to confirm most stations (on MW) on the air. I did no recordings, but posted occasionally to DX lists. In those days, SW was more widespread, so I also spent some time on those bands (recalling Radio Malaysia, for example, on 15295 in English after sunset), using about 20 feet of random wire attached by alligator clip to the Eton's whip.

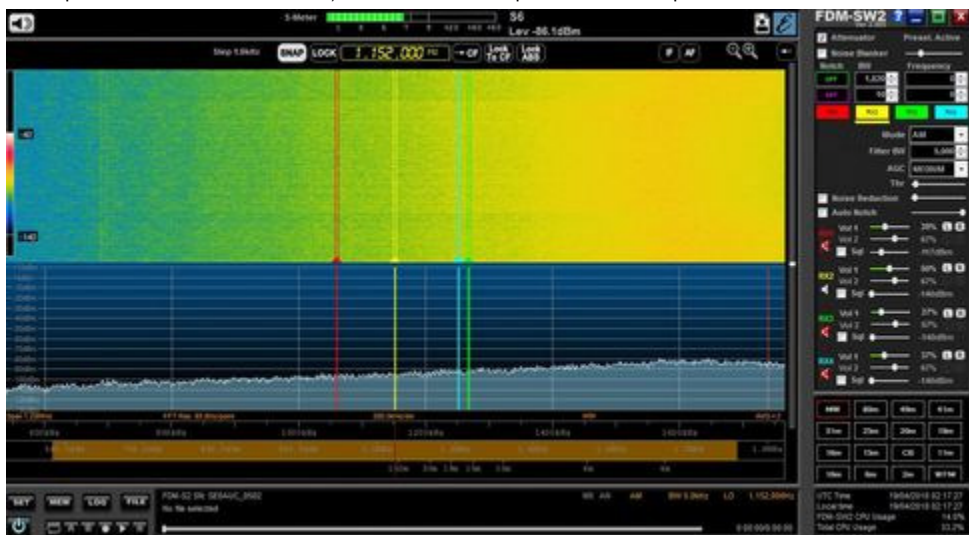
Three years ago, we spent 35 days aboard another HAL ship, sailing from Vancouver, down the west coast of North and South America, around Cape Horn, to the Falklands, and finishing the journey in Buenos Aires, Argentina. On that voyage, I elected to bring along my original SDR-IQ, with an old Wind small laptop. For an antenna, I brought about a 50' length of random wire, through an impedance matcher, and into the IQ. DXing was done at the back of the ship, below the pool deck, along a very private area that virtually no one used, keeping me away from the many prying eyes and quizzical looks! Again, results were very good for more local MW broadcasts, and also for reception of LRA 36 on 15476 from Antarctica, which I enjoyed daily. Drawback was that I was limited to 192 kHz of bandwidth at a time.

On this voyage, from Sydney to Tasmania, to New Zealand, and then back to Sydney, before proceeding to New Caledonia, Vanuatu, Fiji, American Samoa, and upcoming to the Hawaiian Islands, and home to Vancouver, I brought with me my underutilized Elad FDM-SW2 SDR, and a pretty fast Asus U36S series 13" laptop, and a Wellbrook ALA 100 loop antenna. For the first time, we have a veranda room on the 7th deck, high above the water on the starboard side of the vessel.

The first issue was to erect a loop. For this, I had brought some speaker wire which I was able to erect in a fixed near square loop oriented directly in the plane of the side of the vessel. Drawback # 1: Directionality is fixed, wholly dependent on the ship's direction. The antenna and the ALA 100 antenna head have produced all of the issues, and have not been totally satisfactory. Of course, there's a certain amount of electrical noise in the ship, but I think most of the noise I'm seeing is coming from the antenna head itself. Let me explain. On to Drawback # 2: The balcony, despite being 7 decks up is exposed to a huge amount of salt water spray and up to hurricane force winds. Unfortunately, the salt water infiltrated the antenna head, causing it to fail. A quick email response from Andy Ilkin from Wellbrook (and with the help of my wife) solved, in part, the problem with the salt water contamination. Having been unable to find any isopropyl alcohol on-board, I used one of the little single shot vodka bottles in the room fridge to soak the BNC connector for several hours. After drying, the antenna indeed came back to life. Thank goodness! Still, there remains more noise than I'd like to see, especially in the upper half of the MW band, making it almost useless to monitor. The lower half of the band remains quite quiet, except for Drawback # 3:

Whether it's the ALA 100 antenna head, or just the design of the ALA, the position of the wire is VERY sensitive. The noise floor fluctuates continuously, with the movement of the wires, and of course, I'm unable to stabilize this sufficiently to eliminate this, due to the constant wind. Taping to the Plexiglas balcony ledge

works temporarily but invariably, the wind, and salt spray loosens the tape (old white surgical tape), leaving the loop to flap in the wind (and with it major white residue marks on the plastic...hope no one from HAL notices :-). Here's a screen capture of the MW spectrum and noise floor:



As you can see, the noise increases from a very respectable – 115 dB to a noisy – 90 dB... not so good. I might add, that the coax used is a small diameter RG-174 50 ohm cable... perfect for the job of fitting under the balcony door without damaging either the door, or crushing the cable. I wish I had brought another antenna head with me, but alas, I did not. In can some of you wondered about making your own loop, I would argue that nothing would stand up to the severe winds experienced on the ship, and only using the ship's superstructure is robust enough as an antenna support.

Drawback # 4: Finding the time to DX. Life aboard ship is very busy! While in port, we're always off the ship, so DXing during those days is impossible. On sea days, there's breakfast, lunch, and supper, evening shows, often lectures in the morning and afternoon, exercise, etc. Spending too much time in front of the SDR screen is also not conducive to a happy spouse, so one needs to be cautious here! Attempting to DX overnight also did not work as the flashing lights from the computer and its screen promptly awoke my wife. Again, not a way to endear myself with her!!!

Drawback # 5: Some DX targets are passed in the middle of the night. On this voyage, returning from New Zealand to Sydney, the following day the Captain gave his noon time announcement, mentioning that we had passed within 15 km of Norfolk Island (my DX target on 1566) at 4:00 AM. Of course, I was sound asleep at the time. Grrrr! There's not any good way of knowing position, or predicted route. I suppose I could have asked the navigation officers, but then, in this world, I wondered whether they'd think something was amiss with a passenger asking too many strange questions! I do recall a similar problem during a cruise, circumnavigating Cuba years ago. Of course, we went by Guantanamo Bay around the same time in the middle of the night, making it a tough catch to hear AFN from that base!

Drawback # 6: The record timer function on the Elad does not work for me. I only get error messages.

Advantage # 1 of the Elad: I LIKE the FM function! In Vanuatu, New Caledonia, and Fiji, I enjoyed doing an FM bandscan while in port after returning from our shore excursions. This is a first for me, as my normal go to SDR (which I still feel has the edge) is the Perseus receiver. I chose the Elad to eliminate another power source, as the Elad is powered directly via the USB chord.

In many ways, I was envious of Gary DeBock who was safely on the ground in the Cook Islands while we were heaving in very rough seas north of New Zealand. With his setup, he could escape the noise completely, and DX some very awesome targets, that I can only dream about here. On the other hand, we are traversing many thousands of miles of ocean, enabling some armchair copy of stations rarely heard, or very difficult catches, especially while in port. On those days, I'd let the mp3 recorder run all day, while on an excursion, so it's fun to have a 5 to 7 hour recording of a local MW station (540 Samoa, 558 Radio Fiji 1, 990 Fiji Gold, 621 Radio Tuvalu to name just a few).

I hope that this essay may have sparked some interest in cruise ship DXing. I would love to hear experiences of others that might have done similar crazy antics. Please, while on a heaving ship in heavy seas, don't get up too high on a chair to secure a corner of the ALA loop like I did!

73, **Walt Salmaniw**, 4 days out from Honolulu and one day from American Samoa. 24 April, 2018.

Cook Islands Ultralight DXpedition – Asian TP-DX Loggings (Gary DeBock) via IRCA eGroup

4/27. Checking out transoceanic DX propagation at an exotic ocean beach site can provide the hobby thrill of a lifetime – if a DXer is lucky enough to choose the ideal time, place and gear to make the chase. All of these fell into place in an amazing way during a 5-day trip to Aitutaki Island (2600 miles due south of Hawaii) with Ultralight radio gear, resulting in the reception of MW stations in India, Bangladesh, Mongolia and Cambodia (all at over 6,800 miles).

Because of extensive QRM from Australia and New Zealand the total number of Asian stations received was limited, but it was definitely a case of quality over quantity. Phenomenal gray line propagation around sunrise shut down Japanese signals almost completely, but boosted up those from the exotic countries in east and south Asia. Korean station reception was limited to the big guns, which was also primarily true for Chinese signals. Except for the ANZ pest QRM, the conditions seemed custom-designed for a west coast DXer to go after the exotic stations which rarely – if ever – show up in BC, Washington or Oregon (even though the Cook Islands' distance to them is greater).

Gray line propagation at sunrise was strong enough to bring in both 693-Bangladesh and 1431-Mongolia at S9 levels almost every morning on my Ultralight gear, and allow both 657-AIR and 918-Cambodia to break through ANZ QRM on April 12th. No doubt many more of these exotic stations could have been logged except for Australian QRM on 576, 594, 872, 883 and 1566, but this only added to the thrill of the chase. The overall results were exceptional for a DXer using only a 7.5 inch loopstick Ultralight radio and 5 inch "Frequent Flyer" FSL – all designed to fit within hand-carry luggage, and easily pass through airport security inspections.

- 657 **INDIA** All India Radio Kolkata, 200 kW (8,075 miles/12,995 km). Recorded by accident during a sunrise check of the Korean big guns at 1641 on April 12, reception of this longest-distance station went unnoticed until file review after return to the States. The female speaker (in the Bengali language) is the third station in the recording, after the female vocal music from Pyongyang BS and the Irish-accented male preacher from NZ's Star network. Her speech peaks around 40 to 50 seconds into the recording. The isolation of the Star network at the 55 second point was done by the Ultralight's loopstick, not by the propagation. Thanks to Alokesh Gupta for the language and station identification
<https://dreamcrafts.box.com/s/ix71clk446ad5d5bkzbn3e0q94fe18wu>.
- DPR KOREA** Pyongyang BS Pyongyang, 1500 kW. Like most East Asian signals the North Korea big gun sounded pretty anemic in the Cook Islands. Its female vocal music at 1641 on April 12th shared the frequency with NZ's Star network (Irish-accented preacher) and AIR's female Bengali speaker
<https://dreamcrafts.box.com/s/ix71clk446ad5d5bkzbn3e0q94fe18wu>.
- 693 **BANGLADESH** Bangladesh Betar Dhaka-Ka, 1000 kW (7,960 miles/12,810 km). Probably the biggest surprise of the DXpedition, with S9 signal peaks on 4 out of 5 sunrise sessions. Frequently snarling with the Oz pest 3AW, it usually managed a few minutes on top of the frequency each morning from 1630-1700 UTC. Exotic South Asian music was the usual format, and was very easy to distinguish from the talk-oriented format of 3AW (and other Oz co-channels). This first appearance at 1652 on 4-10 featured a "Bangladesh Betar" ID by a male speaker at 8 seconds into the recording (thanks to Chuck Hutton for listening) <https://dreamcrafts.box.com/s/94j756mjptm1fuaij381dw2wbsqkre91>. This was followed by a lot of exotic music until 3AW claimed the frequency just before the 1700 TOH <https://dreamcrafts.box.com/s/ltl5f8aao5w2qm3bf2n02x06xsu9fb9r>. The next day (4/11) the exotic station was back with S9 peaks, including this typical music and female speaker at 1625 <https://dreamcrafts.box.com/s/3fu4wo3efoj34dfjm4c6jvg4mzb3nrcv>. The exotic music from Bangladesh was in an S9 snarl with 3AW (and another Oz pest) from 1659 throughout the 1700 TOH on April 11th <https://dreamcrafts.box.com/s/pa29z92iqim2y6ps40q1v08q84gtxbq>.
- 774 **JAPAN** JOUB, Akita, NHK2, 500 kW. Oddly enough, this was the only Japanese signal making it to the island during the entire trip. Mixing with a goofy-sounding 3LO announcer at 1613 on 4-11, the Japanese female speech concerns a "doobutsuen" (a "zoo" in Japanese, similar to what the frequency sounded like with the 3LO announcer) <https://dreamcrafts.box.com/s/571u1aeb7u77kjuw1v7gr1id66xho71>.

- 819 **DPR KOREA** KCBS Pyongyang, 500 kW. The North Korea big gun managed a potent signal for its 3+1 pips across its "TOH" at 1630 on 4/12 but never could shake off RNZ's Tauranga transmitter <https://dreamcrafts.box.com/s/4x2b670b8p2b2edy9xw19ns1eftnbg1w>.
- 909 **CHINA** CNR6, Quanzhou, 300 kW. Strong signal with CNR ID (1:08) and Mandarin speech by male and female announcers. NZ's Star network was apparently off the air at the time, since it was a real blaster when transmitting <https://dreamcrafts.box.com/s/kgvittthofeqvphnve4yoi35q1nxfypn>.
- 918 **CAMBODIA** RNK, Phnom Penh, 600 kW (6823 miles/10,981 km). Breaking through the Shandong and Oz QRM at an ideal time to dominate the frequency, its sign off transmission with the National Anthem peaked just before the 1700 TOH on April 12. Female speech in the Khmer language and exotic music are featured just before the anthem (thanks to Hiroyuki Okamura and Jari Lehtinen for listening, and identifying the National Anthem) <https://dreamcrafts.box.com/s/8ji74eayhau8ttjv25pv6zlmcnt0jai>. Chuck Hutton's improved audio file of the same reception (thanks) <https://dreamcrafts.box.com/s/qams92h5ktn7ki93u3qlvzbzvcy13y8rru>.
- CHINA?** Shandong RGD Synchros (Multiple). The dominant Asian signal on the frequency, it rarely allowed Cambodia to sneak through. Here it is with female Mandarin speech at 1647 on 4/11 <https://dreamcrafts.box.com/s/ml1vqzmg135q9gfzpzlsepvmzm11shw>. Shandong RGD's transmitters were poorly synchronized, resulting in the two-tone time pips at the 1700 TOH on 4/12 (during Cambodia's National Anthem at 1:40, in the MP3 linked below). Although actually from two different transmitters, the sound effect sounds similar to that of a "cuckoo clock," resulting in some initial confusion about their source <https://dreamcrafts.box.com/s/8ji74eayhau8ttjv25pv6zlmcnt0jai>. This is the concluding segment of the Asian TP-DX loggings made on Aitutaki island in the Cook Islands chain (2,600 miles due south of Hawaii) from April 9-13 using a 7.5 inch loopstick C.Crane Skywave SSB Ultralight and a 5 inch "Frequent Flyer" FSL antenna.

4/28. As mentioned previously, phenomenal gray line propagation during the sunrise sessions enabled the modest gear to perform like gangbusters, resulting in reception of MW stations in India, Bangladesh, Mongolia and Cambodia – all at distances greater than those from typical west coast DXing sites. The gray line propagation also tended to shut down Japanese signals, and take out most of the Korean stations as well. In combination with extensive ANZ co-channel QRM, this limited the number of Asian stations received.

- 972 **REP KOREA** HLCA, Dangjin, 1500 kW. The South Korean big gun played the part on most mornings, including this S9+ Korean female speech at 1631 on 4-12 <https://dreamcrafts.box.com/s/gynxilf8rpe762f0y5wbj85k0krh1dvb>.
- 981 **CHINA** CNR1, Synchros Changchun/Nanchang, 200 kW/200 kW. The first of three CNR1 frequencies which usually produced strong signals, this music //1377 was received at 1624 on 4/12 <https://dreamcrafts.box.com/s/tybl0tglmfmqkec7u2u1udhgncd4sc5d5>.
- 1377 **CHINA** CNR1, Synchros (Various). Overall this was not only the strongest Chinese frequency on the band, but was the strongest Asian station on the band as well. Awesome S9+ signals were typical each morning, as with this male speech and music at 1622 on 4/12 <https://dreamcrafts.box.com/s/5eh6zami9876vajjfoaqz764lcmo1a>. Another potent signal from this Chinese blaster at 1640 on 4/12 <https://dreamcrafts.box.com/s/8jlbyscbxe4i8ed1n4admt01f66gt7jt>.
- 1431 **MONGOLIA** Mongolia (Relay Station) Choibalsan, 500 kW. This station was easy to receive on the first attempt, with very little competition on the frequency. It typically managed an S9 signal after 1630 daily with the BBC's Korean service, which seemed to be broadcast during the peak sunrise enhancement time in Aitutaki's ocean-boosted propagation. Here is BBC's Korean male announcer at an S9 level at 1632 on 4/11, with the BBC interval signal at 47 seconds into the recording <https://dreamcrafts.box.com/s/bfl40hbfmhf9fdvfa6mx6jnxapaayk4a>. The Mongolian relay program prior to 1630 was also in Korean, with this female Korean speech at 1627 on 4/11 <https://dreamcrafts.box.com/s/5892chd20zbx3w7r1q1f2qx39f6l7gm>.
- 1566 **REP KOREA** HLAZ, Jeju, FEBC, 250 kW. A very poor signal was typical during this trip, with the Chinese service barely showing up under 3AW and two other DU English stations (probably 4GM and Norfolk Island). Whenever 3AW was in a fade it had a chance, since other two co-channels were running very low power. Here is the latter situation, with the weak Chinese barely audible under the DU English snarl at 1641 on 4/12 <https://dreamcrafts.box.com/s/hysvrh4f7i8u16f3740ch5azam0iervx>.
- 1593 **CHINA** CNR1, Changzhou, 600 kW. This was another Chinese blaster, with S9 signals typical every morning. Here it was at 1641 on 4/12 with male Chinese speech and music //1377 <https://dreamcrafts.box.com/s/unn7d4h3wa9ro7g7wespunkqeaay6f6e>.

73 and Good DX, **Gary DeBock** (DXing in Aitutaki, Cook Islands)

DXing and cruising (Theo Donnelly) – via eGroup

4/29. Today, I finally read through Walt Salmaniw's post a week ago describing his efforts of listening at sea. Nick Hall-Patch had suggested that I post a rundown after seeing my description while cruising back around the western Indian Ocean in December.

First, I'll agree with Walt about how quiet ships can be once you're outside their superstructure. The major problem is to find a spot on deck out of the wind, and with enough light at night for scribbling notes. Then there's the curiosity factor. One on my latest trip – see below – was especially hilarious. Early last year while travelling from Sydney to Valparaiso, I was on an upper aft deck on the 'Sea Princess' in the late evening north of New Zealand, trying to determine whether Radio Fiji had managed to activate 990. An officer suddenly appeared and watched me pace (in and out of the only lights) with the PL-380 for a minute or so before deciding I wasn't about to jump. I guess I was picked up by a surveillance cam somewhere.

I tried to post all this as one piece but it failed to appear. So to two brief reports I sent off to the 'New Zealand DX Times': the first about a circle cruise out of Mauritius in December... and the second, an unforgettable segment from Cape Town to the Canary Islands in February. The receiver was a stock Tecsun 80:

I spent 14 nights on a circle cruise of the western Indian Ocean out of Port Louis, Mauritius during the second half of the month. I should have had Douglas Johns on hand to figure out what was going on in Mauritius as my 2016 WRTH listings for FM didn't seem to match up with reality! Three AMers are active: 684 (in mostly brief daytime checks) had a good but not overpowering signal where I spent a couple of days pre-cruise on the SE coast, and was carrying Kool FM in French (the other French service on FM only was Radio One, pronounced as in EE) – 819 had a thumping signal at Blue Bay near the airport and appeared to be carrying Best FM in Hindi, plus short bursts of Chinese – and 1575 was poor with BBC World in English. I'm guessing 684 and 819 still share a site near Curepipe so why there'd be a noticeable difference in reception is a good question. My taxi driver to the ship was an entertaining elderly gent who was intrigued when I asked about the station on his radio (Best FM). He pointed out the former MBC building as we passed through Curepipe but they now have a massive building closer to Port Louis, and just as importantly he pointed out the nearby Phoenix brewery after asking whether I'd tried the local beer! Do you need any answer to that? On board, my dinner sitting was late so any evening checks were in the region of 10:30 pm and later – either 1830 or 1930 UT, depending how far west we were. Very casual observations basically boiled down to lots of Iranians and Arabic stuff on MW; VoA 909 from northern Botswana was a powerhouse along with the parallel on 4930 – the Beeb on 3255 and Sonder Grense 3320 were easy pickings any night – and once we were on East African Time/UT+3, my check turned up presumed Madagascar at very poor strength/modulation on 5010. Also surprising was how weak RN Angola was on 4950 – ditto for ZBC/11735. Thursday 21 December, the evening before the ship's call at Zanzibar, it was covered by a religious outfit in Portuguese till 2000 UT; is there really a 50 kW Brazilian called Radio Transmundial as listed in the WRTH and Aoki? A hugely dominant African on 6090 was presumably Kaduna. One evening only, 999 had a Slavic language (I can't tell the difference between Russian/Ukrainian) and since returning home, I think that must have been TWR/Kishinev-Grigoriopol which is listed as having a weird schedule. Another evening, 4965 had Voice of Hope from Zambia thundering in with its American-style presentation, never to be heard again, till I realised after looking at Aoki that they use the frequency Mon-Fri only and my re-checks had been on weekends. Gee! The Friday morning in Zanzibar, I was on deck about 8 am and 585 and 6015 were definitely on air. During a shore tour, I asked the local guide during a stop north of Zanzibar Town about how far we were from Dole? Eyes glaze over – tourists ask strange questions – till I mentioned ZBC... ah, we're 'in' Dole... the transmitter site was maybe ten mins drive away, but banana palms and other trees kept any sighting, um, out of sight. The first two calls had been in the Seychelles; I'd recalled there should've been a MW transmitter still on-air, but never heard it, so maybe it isn't? The other major highlight (for me) was the call at Mamoudzou on Mayotte's Grande Terre, in the Comoros. I took a ferry across to the old French colonial capital at Dzaoudzi and wandered to look for the now 'Mayotte Premiere' location but never found it. Anyone with an old ORTF QSL card for 3331 will have a view of the causeway. The last call was La Réunion: no MW as the two transmitters (and the one on Mayotte) closed during 2017.

And from February, with the funny part at the end of the second para as long as the formatting holds:

As some already know, I took off back to Africa in early February when the chance to take a cruise calling at St Helena couldn't be resisted, even if credit card and bank account were s-t-r-e-t-c-h-e-d. Flying to South Africa from the UK meant just a day in Cape Town for the usual tourist trip up Table Mountain which was clouded over until after I was back down! The only radio note was an SABC office location in a business/apartment complex south of the CBD and strangely no obvious sign of any towers for TV or FM in the heights above the city. During 21 days on the ship, I did manage a few evenings out on deck after late dinner. Observations were really quick, just noting educated probabilities rather than definite loggings, but I was surprised at how much the stock Tecsun PL-380 dragged in on the Saturday evening 10 Feb just before the first call at Lüderitz in Namibia: a pile of the Botswanans (mostly poor or fair – but no sign of VoA/909 just after 2100 UT) and I think all the higher-powered South Africans plus Lesotho/639 and TWR Swaziland/1170. More startling was stuff from further northeast: TWR/1233 Cyprus good signal with ID as well as probably Sawa/990 also Cyprus and a definite Sawa ID on 1548/Kuwait, along with presumed Saudis on 882/1449/1467/1512, that last one at very good strength. But the big puzzler was Chinese on 1098 at fair level – and yes, as a Good Vancouverite I know Mandarin when I hear it! The obvious probable would be Golmd in western China as one source lists it with CNR1 before 2155 UT. The next major evening check around 2130 UT Wednesday 14 Feb was midway between Walvis Bay and St Helena, so basically due west of Angola, and a lot of the same stuff was still around, though not

1098; two quirks were fútbol in Spanish on 738 and 855, probably RNE but amazing to me being so far south. And French showed up on 1566, likely TWR/Parakou though it wasn't there previously during the Saturday check. The final major MW sweep was around 2230 UT Sun 18 Feb, the night before Ascension Island, and reception was changing... and causing noisy confusion on the 380 as 9- and 10-kHz channels were battling as Brazilians appeared, some very good such as 580/1220/1260/1350/1440/1600.

Shortwave evening sweeps had, what else, Chinese on any band! 4800 in Mandarin ~2245 UT suggests Golmud again and a puzzler on 4885 in an Asian language, sort of like Korean, but not definite. The SABC's Sonder Grense on 3320 was a staple all the way, even up into the Canary Islands on the last night – their daytime frequency of 9650 was easy pickings till after Ascension when Guinea ruled the roost with a massive signal. RTG seemed to stop programming at either 1100 or 1130 UT (I had other things to do during the day) but left the carrier on, but after a lunchtime broadcast seemed to turn the tx off 1400/1430-ish, allowing Sonder Grense to show up. Channel Africa/9625 also appeared mid-mornings in the early going. Presumed ELWA/6050 had BBC World at 1515, and later in the evening I caught it signing off with an anthem at 2230 even though it was a weekday. One puzzler was a Really Huge Carrier on 9635 the same afternoon ~1440 UT between Ascension and Dakar – there was either suppressed audio or a station underneath of African origin – and jumping to a conclusion I'd say Mali as their claim to fame for me on 5995 at home has been low mod. However, having said that, later at 1900 UT, RFI (Aoki lists Issoudun) was on the frequency with the same massive carrier but normal modulation, and the African was still underneath. I doubt RFI would have a transmitter on with OC for so long. And a little tale connected to that: I was approached by a Senior Officer while dangling my feet over the rail with the Tecsun antenna into the sky. He struck up a conversation and wondered what I was hearing – I explained about Conakry/9650 and the Beeb's towers we'd seen on Ascension, which satisfied his curiosity but as he was about to walk away, he remarked his wife had told him that someone was fishing over the rail of the promenade deck. You couldn't make that up if you tried!

Now to Jamestown on St Helena: I had resurrected my rather scruffy Radio St Helena Day T-shirt (from the 1992 broadcast) for wearing on shore, intending to visit what is now South Atlantic Media Services. First order of business was to climb Jacob's Ladder, 699 steps up the cliff above town. While recovering at the top, I fell into conversation with some local women who were collecting charity donations from unsuspecting tourists from the ship. They asked about the T-shirt and how I'd obtained it, and then remarked that I'd just missed Tony Leo, former station manager at RSH, as he was using his car as an extra taxi for the day. I thumped back down the 699 steps (worse than going up – thighs were ruined for days) and after some wandering, decided on a Windhoek Draught at a tavern. Unbeknownst to me, the bartender had also noticed the T-shirt and just as I was about to go exploring some more, in tore this local guy, looking around expectantly. I sort of jumped to a conclusion, and sure enough it was Tony. As all the shore tours arranged by the ship had been sold out, I hadn't managed to get out of Jamestown but Tony drove me up to Longwood House, built for Napoleon's exile on the island, and afterwards decided he wanted a short interview for possible use by SAMS. And he then delivered me back to the quayside.

Three days later, the call at Ascension produced a bonus. Landing is by tender but the swell was too dangerous at the quayside steps. As a consolation, the Captain decided on a clockwise circuit of the island which allowed for a fair viewing of BaBCock's antenna facilities out on the northern tip away from Georgetown. Once back at anchorage in the early afternoon, the swell had calmed enough for passengers to land, though I was on the last tender at 4.30 and got the last back from shore around 6:30 pm. Landing permits severely restrict access beyond the settlement so even if we'd had the whole day on shore, I wouldn't have even seen as much as the circuit provided.

A shore tour of Dakar was interesting – one stop turned out to be across the street from the main RTS compound behind a high concrete wall but with several billboards showing why. And later, the tour bus got caught in traffic outside a second building which appeared to be the RTS-FM location. And talking of FM, sorry Douglas, I didn't do much tuning around though did notice at Praia on Cape Verde that RFI Afrique is indeed on 99.3 MHz.

73, Theo



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ASIA AND PACIFIC

AFGANISTAN: New(ish) on mediumwave is Radio Talwasa, based in Sharana, the capital of Afghanistan's Paktika province (thanks to Indian DXer Ck Raman for alerting us to this via the WRTH Facebook group). It broadcasts on 945 kHz and 87.9 MHz FM at 06:00 am to 10:00 pm local time [0130-1730 UT] according to their website at <http://talwasa.com> and <http://talwasa.af>, although I've observed them signing-on at 1130 on a Friday (9 March). The website is mainly in Pashto but also has an informative About Us page, and hosts a live stereo audio stream. (David Kernick, Interval Signals Onlinemwave.info 10/3-2018)

Further information on Radio Talwasa 945. The station went on the air in May 2015 (Private AM radio on air in Paktika to counter insurgency May 24 2015 <http://afghanistantimes.af/private-am-radio-on-air-in-paktika-to-counter-insurgency/>). The picture on the about-us-page <http://talwasa.com/about/> shows two AM transmitters built by the US-firm Broadcast Electronics: "AM 10A" and "AM 2.5E" (probably reserve transmitter). Information sheets about these transmitters can be found at <http://www.bdcast.com/products/details/a-series/am-10a> and <http://www.bdcast.com/products/details/e-series/am-2-5e>. (Dr Hansjoerg Biener mediumwave.info 12/3-2018)

Radio Talwasa 945: Thanks, yes, it can be heard also in Finland, attached a weak recording from Friday. It helps, that AIR Sambalpur is off the air waiting for the new transmitter, but Iran and Romania are mostly on top. I just got a reply from them and they say that this private station has replaced the semi-gov station Paktin Voice 1386 kHz and doubled its transmitter power. Seems, that talwasa.af domain is out of use, so working emails have talwasa.com at the end. (Mauno Ritola, mediumwave.info 12/3-2018)

ALASKA: KJNP-1170 plans to replace its tower this summer. See the article at <https://www.radioworld.com/columns-and-views/hands-on-replacing-a-tower-at-north-pole> for details and photographs. (Radio World, 18 April)

CHINA: CNR12 ("Happy Radio") is now on 6030 (presently not CNR1). Seems AM 747 is doing some work on their antenna, so they are relaying on 6030, now through May 10. At 1300 with Beijing time and ID "A M qi si qi" (sounding like "A M chee soh chee" and said very fast). Announcement about being on shortwave, in Chinese, at https://weibo.com/happyradio?is_hot=1. My audio today – <http://goo.gl/2DJA19> with QRM underneath from Calgary, Canada (CFVP relaying CKMX AM 1060). Something new to listen to! (Ron Howard, WOR io group, 19 Apr)

China Huayi Broadcasting Station MW/SW observations. Since the start of the A-18 season China Huayi Broadcasting Corporation [CHBC] has become monitorable (albeit in my case only by web SDRs in the region) due to Voice of Korea vacating CHBC's sole SW frequency. For the past few days I've been hearing the Fujian-based broadcaster crash-starting on 6185 kHz around 09:1000-0920 most days [some sources state 0950 sign-on] and remaining there until switching off shortwave at 1600. Programming is in Mandarin and IDs noted were either "Zhongguo Huayi Guangbo Gongsi" or simply "Huayi Guangbo" – they used to ID in English too but now seem to have dropped that practice. I've only observed them announcing their mediumwave (873) and FM frequencies (107.1); no mention of shortwave. Their intended audience is both domestic and external, the latter being Taiwan and the Chinese diaspora in south East Asia. Using web SDRs in Northland, New Zealand [for 6185 kHz] and Shenzhen, China [for mediumwave] I've found reception varies from fair to very poor on both frequencies. 873 is often plagued by co-channel QRM, especially by NHK's 500 kW transmitter, but at times it was heard in parallel to 6185 kHz. The information given on their 'About' website page at www.chbcbnet.com is somewhat out of date, still listing their long-defunct 4830 kHz frequency. I used to be able to monitor this station on their live webstream but nowadays their embedded player is silent here – it may be geoblocked. (David Kernick, Interval Signals Online 31/3-2018)

China's largest state-owned television and radio stations are merging into one broadcasting platform to be called Zhongguo Zhisheng, which translates to Voice of China. China Central Television (CCTV), China Radio International (CRI), and China National Radio (CNR) will form the new state-media conglomerate. Tasked with "better telling the country's stories to the world."

A state radio and television administration will be established by unifying the three broadcasters, according to a plan by the Central Committee of the Communist Party of China unveiled after the first session of the 13th National People's Congress (NPC) concluded. China Global Television Network (CGTN), the group of six international language channels launched by CCTV on December 31 2016, is also included in the merger. Former CCTV President Shen Haixiong was appointed to lead the organization.

The new platform will come under the state's Publicity Department, and is tasked with the enhancement of China's international broadcasting capacities and promoting the convergence of the three platforms. China will dissolve the State Administration of Press, Publication, Film, Radio, and Television (SAPPRFT) and establish a State Administration of Radio and Television. Press, publication and film will be under the direct management of the Publicity Department. (www.broadbandtvnews.com via Steve Whitt, Medium Wave Circle)

KOREA (BOTH): Expect some major changes on the Korean radio dials starting on May 1st. All propaganda stations on FM, MW, and SW are likely to go dark or change programming. VOF and the others from Hwaseong, Taereung, and Goyang are likely to go dark. With the loudspeakers being turned off on the 1st, expect 101.7, 103.1, and 107.3 (all run parallel to the speakers) to likely revert back to their old format of military educational stations (formerly "DEBS" when I first moved to Korea with English lessons, etc), though no clue what will become of Jayu FM (94.5, 96.1, 97.7, and 100.6). V15 and V24 numbers stations are likely to go dark as well, which they usually are 99% of the day anyway. No information from the north on the fate of their stations, naturally, but I'd expect 97.8 Haeju and its rebroadcasters outside Seoul to turn off (as they are purely propaganda only), though the other AM and FM networks are domestic-based. Jammers will likely continue due to this. Or not? (Nobody knows anything). (Chris Kadlec, WRTH Facebook Group, 27 April)

SOLOMON ISLANDS: I am advised that the SIBC's AM transmitter on 1035 is sporadically back on the air, specifically to cover Parliamentary broadcasts. I do not yet have a schedule, but some DXers may have already heard the station again. As you will recall, 1035 was taken from the air by SIBC management a month or two ago as the electricity bill to operate it became unaffordable. (Martin Hadlow via DX Dialog)

EUROPE, AFRICA, AND THE MIDDLE EAST

ARMENIA: Radio "Voice of the Fatherland" in Kurdish apparently on April 1, no longer broadcasts on MW 1395, but only on SW 11530, probably from Moldova, and at 1350 from 1945 again broadcasts the radio in Arabic, apparently sound from some television, it seems called "Al-Azm Radio and TV". (Rumen Pankov, Sofia, Bulgaria, RusDX 8, via dxld io group 15/4-2018)

IRELAND: From June 2019 when RTE Ireland is expected to switch off its transmitter on 252 kHz the only remaining English speaking longwave station in Europe will be the BBC on 198 kHz. (Mike Terry, WRTH fb group. 23/3-2018)

IRAQ (NON): To save \$9.5 million in 2019, the US government's Arabic language broadcaster Radio Sawa plans to restrict its FM and AM transmissions to Iraq. This will mean the end of Radio Sawa's radio service, AM and FM, to the rest of the Middle East. In addition, Radio Sawa's country-centric feeds for Egypt, the Gulf, Jordan, Lebanon, Mauritania, Morocco and Sudan will be terminated, both on air and online at www.radiosawa.com. The remaining Radio Sawa Iraq feed will be streamed.

Cuts to Radio Sawa are part of a bigger reduction for the Broadcasting Board of Governors in proposed federal budgets for FY 2018 and 2019. Billing itself as "America's civilian international media agency," the BBG oversees the Voice of America (VOA), Radio Free Europe/Radio Liberty (RFE/RL), Radio Free Asia (RFA), Alhurra TV and Radio Sawa (under Middle East Broadcasting Networks – MBN), and Radio and TV Marti. The BBG budget was proposed at \$661.1 million for FY 2019, down from \$685.2 million in 2018 and \$786.6 million in 2017.

A BBG information page says, "Radio Sawa attracts young audiences by playing contemporary Arabic and Western music with news and information programs. It is one of the most popular radio stations in the countries where it can be heard on FM." So why is the BBG reducing Radio Sawa from a Middle Eastern regional broadcaster to an Iraq-only station?

"Tough trade-offs are always necessary in austere budget climates," replied Nasserie Carew, BBG's director of global communications and public affairs. "But BBG and MBN leadership are committed to and will continue reaching people in media-restrained countries."

With money being tight, Radio Sawa's non-Iraq radio broadcasts were a natural target, according to interested observers. "Eliminating the Radio Sawa network of transmitters in all countries except Iraq will save almost \$5 million," said Kim Andrew Elliott. He's a retired VOA audience research analyst and broadcaster who now produces Shortwave Radiogram a weekly program of text and images via analog shortwave radio.

"Radio Sawa uses leased FM transmitters in Arab countries, plus mediumwave (AM) relays," he said, "and these are expensive."

More of the article here: <https://www.radioworld.com/news-and-business/radio-sawa-to-scale-back-regional-broadcasts>. (Radio World, 29 March)

ITALY: The government website <http://www.sviluppoeconomico.gov.it/index.php/it/comunicazioni/radio/assegnazione-frequenze-onde-medie-am> provides for some interesting reading. According to the information given, the government in 2017 started a licensing process for up to 86 single frequency stations and eleven synchronized medium wave networks ("Gleichwellen"). The pdf-documents show 531 and 330 pre-registered applications for a competitive licensing process. (Dr Hansjoerg Biener, mediumwave.info, 19/3-2018)

1368 Radio One, Pistola/Lucca, Toscana is back to its old frequency. (Antonello Napolitano 15.4.2018)

NETHERLANDS: 1116 Radio Bloemendaal, Netherlands is back on the air. (18.4.2018 the website via Bengt Ericson, ARC)

POLAND: 963 Radio AM, Lipsko, Poland is still on the air. Local ID heard at 2100. 1602 Radio AM, Krakow, Poland is still on the air. Local ID heard at 2100. (Bengt Ericson, ARC 20.4.2018)

RUSSIA: Radio Radonezh – Orthodox radio broadcasting for Russia and compatriots abroad. Radio "Radonezh" is on the air in Moscow 24 hours a day on the wave of VHF/FM 72.92, and also on the medium wave AM 612 for four hours a day from 1600-20.00. We also broadcast three hours a day in St Petersburg – 684, Ryazan – 73.13 MHz, Orel – 68.15 MHz, Yaroslavl – 72.26 MHz, and two hours in Vladivostok at medium wave 675. The potential audience of Radio Radonezh is about 20 million listeners. Listeners all over the world have access to Radonezh radio programs via Internet. <https://vk.com/radio.radonezh>.

On the Radonezh radio site at that time there was information about the costs of the station for servicing the MW transmitter. And the fact that the station found its way out of a difficult situation and continued broadcasting on medium waves is a great service for a radio station that for several years already reported on the shutdown of broadcasting to the MW and came out of this difficult situation, which can be read in the Internet. Currently, the station does not have sponsors, as it was before and exists thanks to the financial support of listeners, which is reported on the station's page in the Internet <http://radonezh.ru/help>.

We wish Radio Radonezh stations success and always remain on the air at medium waves, from which almost all the stations in Russia left, and there were only a few. (Anatoly Klepov, RUS-DX via mediumwave.info 14/4-2018)

Supply of equipment, construction and installation and commissioning of the project "Transfer and reconstruction of communication lines and structures for the transfer of broadcasting to the site of the RTPS Olgino at the address: 104, Lakhtinsky St, St Petersburg, with the aim of releasing land plots from the object of communication at the address: St Petersburg, ul. Sofiyskaya, 71"

<http://zakupki.gov.ru/223/purchase/public/purchase/info/common-info.html?regNumber=31806222081>.

Installation of one medium-wave broadcasting transmitter, power 10 kW at a frequency of 828.

Restoration of the mast-antenna ShV-77 on the site of the RTPS Olgino (<https://vk.com/vcfm2014>) (RUS-DX # 972 via Anatoly Klepov 15/4-2018)

UNITED KINGDOM: Ofcom has agreed the shutdown of Absolute's MW sites. Here is copied text from radiotoday.co.uk. The Bauer station argued that continuing to provide 90% population coverage is no longer 'reasonably practicable' and if permission is not granted for the reduction, it would result in Absolute Radio having to close down the entire AM Network.

So, from May, these transmitters will be turned off: Plymouth, Redmoss (Aberdeen), Hull, Torbay, Redruth, Hoo (Kent), Greenside Scalp (Dundee), Wallasey, Pírbright (Guildford), Chesterton Fen (Cambridge), Rodbourne Sewage (Swindon) and Sheffield. In addition, power will be reduced ASAP at Brookmans Park (serving London and the northern home counties); Droitwich (serving the West Midlands); Moorside Edge (serving the North West and Yorkshire); Westerglen (serving Central Scotland); and Washford (serving South Wales, Avon and Somerset). (James Vincent, mediumwave.info 17/4-2018)

It has been announced today that Northsound 2 is to close on medium wave 1035 on 3 April. More details here <https://radiotoday.co.uk/2018/03/northsound-2-to-switch-off-am-radio-service/>. (James Robinson, mediumwave.info 8/3-2018)

London multi-ethnic multilingual broadcaster Spectrum Radio, which has been broadcasting to the capital on 558 since 1990, has now left the mediumwave channel. It's been replaced by Love Sport Radio, which is due to officially launch on 19 March but can already be heard with full programming on the MW channel and via a live stream from their website at www.lovesportradio.com. (David Kernick, Interval Signals Online via mediumwave.info 7/3-2018)

WESTERN HEMISPHERE

ARGENTINA: Starting today I noted a new station on 530. Not Radio Madre, which occupied this frequency until a few months ago, but "Somos Radio". A tweet reveals a logo: <https://twitter.com/Relatoresconvos/status/969643439536115712>. So far the station is playing nothing but music and brief IDs. Incidentally, yesterday I heard FIRS Port Stanley on this frequency, which means they started broadcasting today. (Entry to WOR io group 3/3-2018)

COLOMBIA: Sistema Cardenal also on HJHN Magangué 960. A news item in La Cuarta Vía.com tells that this inactive station should be on the air from March with Sistema Cardenal programming. The Instagram page of Sistema Cardenal already announces the Magangué 960 freq. (ex Caracol Radio). This freq. is part of a three stations pack to be transferred from Caracol to S. Cardenal during 2018. (Mauricio Molano Salamanca Spain, mwdx yahoo group 8/4-2018)

850 HJKC Candela "la del amor y el despecho" (ex-La Popu, Bogotá) was noted at 0800 on April 7. ID was given at 0801 as "Esta es Candela 850 AM, otra emisora Radiópolis." (Tetsuya Hirahara via Kiwi SDR Bonaire)

1080 HJAX La Voz de Antioquia, Medellín (ex-La Voz de la Nostalgia) was heard at 0900 on April 8, identifying as "Transmite desde Medellín para el mundo, La Voz de Antioquia, HJAX 1080kHz en amplitud modulada... una emisora de la Cadena Radial Júpiter. La Voz de Antioquia en el corazón del pueblo..." QTH: Cra. 81 No.48A-39. <http://cadenaradialjupiter.com/http://www.lavozdeantioquia.com/>. (Tetsuya Hirahara via Kiwi SDR Bonaire)

1560 HJHE Caracol Radio, Málaga. Ex Voces Rovirenses. (Fredrik Dourén, ARC) 1580 HJQT Verdad Radio, Bogotá is back! (ex-Wepa Radio cf ARC South American News Desk 3.7.2017) The station was heard at 1102 on March 25. "Desde Bogotá, Colombia, transmite Verdad Radio

1580 AM HJQT, una radio estación del Ministerio Palabra de Vida. Verdad Radio, señal que viene del corazón de Dios." (Tetsuya Hirahara via Kiwi SDR Bonaire) (Last 4 items via Arctic. bp)

Caracol Format and Network Changes: Info compiled by Henrik Klemetz (ARC) based on private monitoring, including SDR files recorded in Colombia by Don Moore

Sistema Caracol Radio: This is the network where it all started. It is spoken word format, including one-hour local news programs (with local IDs) at 1100 and 2300 on weekdays, and gates for local ads throughout the day, excepting weekends, where programming is mainly musical. Stations: Bogotá, 810; Medellín, 750; Cali, 820; Barranquilla, 1100; Bucaramanga, 880; Pereira, 950; Neiva 1010; Cúcuta, 1090; Tunja, 1120; Armenia, 1150; On FM, in Bogotá, Medellín and Cali as well as Garzón and Pitalito (both in Huila, south of Neiva).

The Oxígeno format was abandoned on December 31 2017. Only two outlets remain, their slogan being "Oxígeno Urbano", Bogotá, 100.4 and Medellín, 102.9. Oxígeno is no longer on AM.

Sistema Bésame, "la radio apasionada", with Latin pops and ballads from the 80's, counts with transmitters in Manizales, 930, HJIA 5 kW (unlisted in WRTH); Cúcuta, 980; Pereira, 1300; Neiva, 1210; Pasto, 1130 and Ibagué, 1350. On FM in Bogotá, Medellín ("La Voz de Colombia"), Barranquilla, Bucaramanga, Cali, Cúcuta, Manizales, Armenia, Sogamoso.

Several Caracol frequencies were sold last year to Gámez Editores who have created an independent local network, Sistema Cardenal, serving the Atlantic seaboard on AM, with the addition of one FM outlet, in Riohacha, Guajira. The AM stations include 1010 Barranquilla, 1050 Valledupar, 1360 Cartagena and 1580 Sincelejo.

The following Caracol frequencies have also been sold to various private owners:

590 Medellín, Volvamos a Dios Radio (evangelical);
 870 Ibagué, La Voz del Tolima [ex-Bésame] (local and regional news);
 1120 Bucaramanga, 24 horas Bucaramanga;
 1170 Tunja, Cadena Radial Vida (evangelical);
 1230 Tunja, Emisora Radio Recuerdos [ex-Oxígeno];
 1260 Duitama, Torrefuerte Radio (evangelical).

Sistema W Radio includes the following AM stations: 690 Bogotá; 700 Cali; 1150 Duitama; 1250 Cúcuta; 1270 Bucaramanga. Part-time leased by Caracol are 860 Valledupar (La Voz del Cañahuate) and 1400 Quibdó (Ecos del Atrato). On FM, in Bogotá, Medellín, Cali, Armenia, Barranquilla, Bucaramanga, Cartagena, Cúcuta, Ibagué, Manizales, Montería, Neiva, Pereira, Popayán, Santa Marta, Tunja, Villavicencio and Tauramena [Casanare].

W Radio has affiliates in Panamá City, 990; Miami, 1260 [0800-1300 UTC]; New York and New Jersey, [Paterson, NJ], 930; and Madrid, 103.9. (Arctic)

CUBA: Speaking on Radio Havana Cuba's 'En Contacto' programme, Arnie Coro reported that the nominal 200 kW transmitter of Radio Progreso on 890 in central Cuba still gets DX reports from Europe despite being on reduced power of 80 kW non-directional due to hurricane damage. It will soon be back up to 200 kW directional with two new masts 120 meters high. (Glenn Hauser via DX LISTENING DIGEST 25 March)

PERU: More information about OAU6O Radio El Sol in Arequipa on 1610 from Henrik Klemetz in the Finnish DX Associations SDXL magazine "Radiomaailma" (RadioWorld) for January 2018: The station has this unusual schedule. 0800-0100 UTC. The Studios are at: Avenida Independencia 600, Centro Comercial Héroes Anónimos, piso 3ro, Apto. 301-A, which is in the city center. The transmitter is in the Characato district, "45 minutes' drive" southeast of the capital. The station sells airtime to operators who have to finance their operation by selling ads. The manager is Jacinto Becerra. QSL requests should go to respective programme operators. The station has been on air for 3years, but now the power has been increased to 3.5 kW two months ago. Frequency measurements by Scandinavian DXers: 1610.039 by Arne Nilsson, 16109.040 by SIM, 1610.039 by Fredrik Dourén. (Via Arctic Radio Club Jan18)
 Radio El Sol Arequipa noted this morning at 0800 here close to Rio de Janeiro, Frequency shifting 1610.060 1610.280. Heard for the first time last week when more stable at 1610.33. (Rocco Cotroneo, Brazil via MW Offsets Yahoo Group)

VENEZUELA: Here is a list of Venezuelan stations as heard (and IDed) with Kiwi SDR in Bonaire and/or Santo Domingo so far:

550 YVKE Mundial, (Caracas)	870 Unión Radio Cultural	1200 Radio Tiempo (Caracas)
610 Radio Cristal (Barquisimeto)	900 Radio Mara Ritmo, Maracaibo	1260 BBN Caracas
620 Radio Fé y Alegría (Guasdaluto)	910 RQ910 AM Center (Caracas)	1290 Radio Puerto Cabello
630 RNV Tropical (Caracas)	920 Nueva Esparta 920 AM, Nueva Esparta	1300 Deportiva 1300 AM Center (Caracas)
640 Unión Radio Cultural or Unión Radio Deportes (Puerto La Cruz) at times	960 Radio San Sebastián, San Cristóbal	1320 Radio Apolo, Maracay
670 Radio Rumbos, Caracas	990 Radio Tropical 90, Caracas	1340 Radio Uno (Caracas)
710 Radio Capital (Caracas)	1010 Radio Aragua (Cagua)	1380 Ondas del Mar, Puerto Cabello
750 RCR, Caracas	1020 Radio Alegría	1390 Radio Fe y Alegría (Caracas)
780 Radio Coro (Coro)	1020 "la yaracuyana", Chivacoa	1390 Radio Lumen, (Maracaibo)
790 Radio Venezuela (Caracas)	1040 La Voz de Carabobo (Valencia)	1420 Sintonía 1420 AM (Caracas)
790 Radio Minuto, Barquisimeto	1090 Deportes Unión (Caracas)	1450 Radio María (Caracas)
860 Radio 860	1130 Radio Ideal, Caracas "Ideal 1130 AM"	1490 Radio Dinámica, Caracas
	1130 Radio Popular (Barquisimeto)	1500 Radio 2000 "La Emisora del Pueblo", Cumaná

(Locations in parenthesis mean that no location was mentioned in IDs I got.)

Caracas stations on the following frequencies have not been heard during my limited monitoring time: 590 Radio Continente, 880 RNV Musical, 830 Radio Sensación, 1590 Radio Deporte (Tetsuya Hirahara via Mauno Ritola, ARC)

Inactive stations reported by José Elías Díaz Gómez, Cadena DX via Henrik Klemetz, ARC:

570 Radio Rumbos en Villa de Cura	880 Radio Venezuela en Barinas	1300 Radio Reloj en Maracaibo
580 La Voz de la Fé en Maracaibo	880 RNV en Caracas	1310 RNV en Barcelona
580 RNV en Barinas	960 Radio Monagas en Maturín	1330 Radio Los Llanos en Calabozo
590 Radio Continente en Caracas	980 Union Radio Noticias en El Tigre	1340 Radio Mundial en Barinas
660 Ondas de los Médanos en Coro	1000 Radio Valles del Tuy en Ocumare del Tuy	1350 Radio Eclipse en el Tigrilo
660 Radio Anaco en Anaco	1020 Radio Calendario en Maracaibo	1350 Radio Falcon en Puerto Cumarebo
690 Deportiva 690 en Barquisimeto	1050 RNV en Cabudare	1370 Unión Radio Noticias en Valle de La Pascua
700 Radio Popular en Maracaibo	1070 Mundial Zulia en Maracaibo	1380 Radio Revelación en Ciudad Bolívar
730 Radio Universo en Barquisimeto	1080 Radio Barcelona en Barcelona	1400 Radio Sabana en el Sombrero
740 Unión Radio en Maracaibo	1120 Radio República en Maturín	1440 Radio Orituco en Altigracia de Orituco
840 8-40AM en Barquisimeto	1160 Radio Industrial en Guarenas	1470 Radio Vibración en Carúpano
840 Radio Guarapiche en Maturín	1220 Radio Aeropuerto en Maracaibo	1550 Radio Impacto en Ciudad Ojeda
880 Radio Paraguana en Punto Fijo	1250 Radio Latina 12-50 en Puerto Ordaz	



SPORTCHANNELS IRCA – Compiled by: Eric Bueneman (NØUIH)
 E-mail: n0uiheric@gmail.com

Welcome to another edition of SportChannels! Baseball season is under way, and we're now taking a look at the Major League Baseball network lists. In this issue, the network lists for the American League East and National League East are featured, along with an updated San Francisco Giants list. Flagship stations are in **boldface** type.

AMERICAN LEAGUE – EASTERN DIVISION

BALTIMORE ORIOLES Jim Hunter, Joe Angel, Ben McDonald, Brian Roberts, Web: orioles.com

AM	1250 WGHB Farmville, NC	1490 WARK Hagerstown, MD	98.9 W255CP Hagerstown, MD (7)
540 WGOP Pocomoke City, MD	1280 WHVR Hanover, PA	1530 WCTR Chestertown, MD	99.5 W258DC Richmond, VA (8)
580 WLVA Lynchburg, VA	1290 WWTX Wilmington, DE	1550 WMRE Charles Town, WV	99.9 W260BM Annapolis, MD (9)
900 WKDW Staunton, VA	1320 WGET Gettysburg, PA	FM	100.7 W264BJ Pocomoke City, MD (10)
910 WSBA York, PA	1340 WHAP Hopewell, VA	93.9 W230AX Shippensburg, PA (1)	102.3 W272BJ Fairlee, MD (11)
930 WYUS Milford, DE	1340 WEPM Martinsburg, WV	93.9 W230CQ York, PA (2)	102.3 W272CX Westminster, MD (12)
930 WDLX Washington, NC	1430 WNAV Annapolis, MD	94.1 W231CE Lynchburg, VA (3)	102.7 W274BX Petersburg, VA (13)
950 WXGI Richmond, VA	1440 WGLD Red Lion, PA	94.1 WVSP Yorktown, VA	105.7 WJZ-FM Catonsville, MD
960 WHYL Carlisle, PA	1450 WTBO Cumberland, MD	95.3 W237EN Hanover, PA (4)	105.9 WXDE Lewes, DE
980 WTEM Washington, DC	1470 WJDY Salisbury, MD	97.9 W250CM Cumberland, MD (5)	106.9 WVEG-HD4 Myersville, MD
1000 WIOO Carlisle, PA	1470 WTTR Westminster, MD	97.9 WBEG Crisfield, MD	
1240 WTPS Petersburg, VA	1480 WEEO Shippensburg, PA	97.9 W250AP Carlisle, PA (6)	

Relays: 1) WEEO 1480, 2) WSBA 910, 3) WLVA 580, 4) WHVR 1280, 5) WTBO 1450, 6) WIOO 1000, 7) WARK 1490, 8) WXGI 950, 9) WNAV 1430, 10) WGOP 540, 11) WCTR 1530, 12) WTTR 1470, 13) WTPS 1240

BOSTON RED SOX Joe Castiglione, Tim Neverett, Web: weei.com/red-sox/red-sox-radio-network

AM	1300 WPNH Plymouth, NH	1480 WCFR Springfield, VT	96.3 WEII Dennis, MA
550 WDEV Waterbury, VT	1310 WLOB Portland, ME	1490 WGH Greenfield, CT	96.3 WFXW Walpole, NH
620 WZON Bangor, ME	1320 WCVR Randolph, VT	1490 WMRC Milford, MA	99.3 WKTJ Farmington, ME
830 WCRN Worcester, MA	1340 WSTJ Saint Johnsbury, VT	1490 WIKE Newport, VT	99.7 WNTK New London, NH
860 WSBS Great Barrington, MA	1350 WINY Putnam, CT	FM	100.1 WHOU Houlton, ME
980 WOFX Troy, NY	1370 WDEA Ellsworth, ME	92.7 WQDY Calais, ME	101.3 WCPV Essex, NY
1010 WCNL Newport, NH	1380 WSYB Rutland, VT	93.5 WEEY Swanzey, NH	101.5 WZEI Meredith, NH
1080 WVIC Hartford, CT	1390 WEGP Presque Isle, ME	93.7 WEEI-FM Lawrence, MA	103.1 WZLO Dover-Foxcroft, ME
1120 WKAJ Saint Johnsville, NY	1400 WILI Willimantic, CT	93.9 WLVB Morrisville, VT	103.7 WVEI-FM Westerly, RI
1230 WNAW North Adams, MA	1400 WLTN Littleton, NH	93.9 WWOD Woodstock, VT	104.9 WBOQ Beverly, MA
1230 WMOU Berlin, NH	1400 WTSL Hanover, NH	95.3 WALZ Machias, ME	105.5 WBYA Islesboro, ME
1240 WSYY Millinocket, ME	1420 WBEC Pittsfield, MA	95.9 WPEI Saco, ME	105.5 WVEI Easthampton, MA
1240 WFTN Franklin, NH	1420 WBSM New Bedford, MA	96.1 WDEV-FM Warren, VT	107.7 WTPL Hillsboro, NH
1270 WTSN Dover, NH	1440 WVEI Worcester, MA	96.3 WJJB Gray, ME	
1280 WPKZ Fitchburg, MA	1480 WSAR Fall River, MA		

NEW YORK YANKEES (English) John Sterling, Suzyn Waldman, Web: yankees.com

AM	1040 WHBO Pinellas Park, FL	1350 WRNY Rome, NY	99.5 WTKW Bridgeport, NY
600 WICC Bridgeport, CT	1160 WPIE Trumansburg, NY	1420 KKEA Honolulu, Oahu, HI	101.9 WFAN-FM New York, NY
620 WVMT Burlington, VT	1190 WSDE Cobleskill, NY	1420 WACK Newark, NY	103.5 WUUF Sodus, NY
640 WMEN Royal Palm Beach, FL	1220 WGNY Newburgh, NY	1450 WTSA Brattleboro, VT	104.5 WTMM Mechanicville, NY
660 WFAN New York, NY	1230 WIXT Little Falls, NY	1500 KHKA Honolulu, Oahu, HI	105.5 WTKV Minetto, NY
680 WINR Binghamton, NY	1310 WTLB Utica, NY	FM	107.1 W296CP Ithaca, NY (2)
790 WPRV East Providence, RI	1340 WENT Gloversville, NY	94.3 W232CE Cobleskill, NY (1)	
960 WELI New Haven, CT	1340 WIRY Plattsburgh, NY	97.9 WUCS Windsor Locks, CT	

Relays: 1) WSDE 1190, 2) WPIE 1160

LOS YANQUIS DE NUEVA YORK (Spanish) No play-by-play personnel information available, Web: yankeesbeisbol.com

1280 WADO New York, NY only

TAMPA BAY RAYS (English) Andy Freed, Dave Wills, Neil Solondz, Web: raysbaseball.com

AM	1350 WDCF Dade City, FL	FM	104.3 W282BY Fort Myers, FL (4)
620 WSUN Saint Petersburg, FL	1400 WZHR Zephyrhills, FL	92.3 W222CI Brooksville, FL (1)*	104.3 WYKE Inglis, FL
660 WORL Altamonte Springs, FL	1410 WQJR Prattville, AL	95.3 W237CW Pinellas Park, FL (2)	105.5 W288CJ Oviedo, FL (6)
770 WJBX North Fort Myers, FL	1430 WLTG Panama City, FL	98.1 W251CG Gainesville, FL (3)	106.9 W295BH Sarasota, FL (5)
790 WLBE Leesburg, FL	1450 WWJB Brooksville, FL	98.3 W252DF Largo, FL (4)	107.5 W298AV Englewood, FL (7)
850 WRUF Gainesville, FL	1520 WBZW Apopka, FL	99.9 WXJB Homosassa, FL	
1070 WKII Solana, FL	1530 WENG Englewood, FL	101.5 W268AH Bonita Springs, FL (5)	
1220 WSRQ Sarasota, FL		103.9 W280DK Spring Hill, FL (1)	

Relays: 1) WWJB 1450, 2) WSUN 620, 3) WRUF 850, 4) WSRQ 1220, 5) WJBX 770, 6) WORL 660, 7) WENG 1530

Note: * denotes Rays' list has old frequency 101.1

LOS RAYS DE TAMPA BAY (Spanish) Enrique Oliu, Ricardo Taveras, Web: raysbeisbol.com

AM	760 WLCC Brandon, FL (alternate)	FM	104.3 W282CI Tampa, FL (1)
680 WGES Saint Petersburg, FL (primary)			

Relay: 1) WLCC 760

TORONTO BLUE JAYS Dan Schulman, Web: bluejays.com

590 CJCL Toronto, ON only

NATIONAL LEAGUE – EASTERN DIVISION**ATLANTA BRAVES** (English) Jim Powell, Don Sutton, Web: braves.com

AM	1350 WFNS Blackshear, GA	92.5 W223AX Foley, AL (1)	101.9 W270AF Murfreesboro, TN (17)
560 WNSR Brentwood, TN	1370 WLOP Jesup, GA	92.7 W224DH Hilton Head Island, SC (2)**	102.1 W271CI Dublin, GA (21)
590 WCAB Rutherfordton, NC	1400 WSEG Savannah, GA	93.1 W226BZ Macon, GA (3)	102.1 WNUQ Sylvester, GA
600 WCVB Murphy, NC	1400 WVWB Clarksville, TN*	93.7 W229AG Atlanta, GA (4)	102.3 W272DM Griffin, GA (22)
620 WTRP La Grange, GA	1410 WLAQ Rome, GA	93.7 W229AJ Claxton, GA (5)	102.3 WKZR Milledgeville, GA
630 WJDB Thomasville, AL	1420 WPEH Louisville, GA	93.7 W229CE Ellijay, GA (6)	102.7 WCNG Murphy, NC
680 WCNN North Atlanta, GA	1440 WLWI Montgomery, AL	93.9 WYTK Rogersville, AL	102.7 WPUB Camden, SC
730 WUMP Madison, AL	1450 WBHF Cartersville, GA	94.5 W233CO Gainesville, GA (7)	102.7 W274BZ Lenoir City, TN (23)
730 WLIL Lenoir City, TN	1450 WCON Cornelia, GA	95.5 WJDB-FM Thomasville, AL	103.1 WDBG Dexter, GA
790 WFSN Brunswick, GA	1450 WKEU Griffin, GA	95.9 WTWX Guntersville, AL	103.5 W278BE Union, SC (24)
800 WJAT Swainsboro, GA	1450 WMVG Milledgeville, GA	95.9 W240CA Brentwood, TN (8)	103.7 W279BC Brunswick, GA (25)
900 WJTH Calhoun, GA	1450 WXVW Jeffersonville, IN	96.1 W241BG Valdosta, GA (9)	103.7 W279BD Thomasville, GA (26)
910 WFJX Roanoke, VA	1450 WGNC Gastonia, NC	96.1 W241CK Jeffersonville, IN (10)	103.7 WLTC-HD2 Cusseta, GA
920 WYMB Manning, SC	1450 WGNM Murfreesboro, TN	97.3 W247BV Asheville, NC (11)	103.9 W280BA Madison, AL (27)
960 WRFC Athens, GA	1460 WBCU Union, SC	97.7 W249DB Hiwassee, GA (12)	103.9 WDDK Greensboro, GA
970 WVOP Vidalia, GA	1470 WCLA Claxton, GA	97.9 WTSM Woodville, FL	103.9 WNTC Drakesboro, KY
970 WYSE Canton, NC	1490 WKUN Monroe, GA	98.5 W253BW Charleston, SC (13)	104.1 WCLE-FM Calhoun, TN
1050 WJSB Crestview, FL	1490 WRLA West Point, GA	98.7 WISK-FM Americus, GA	104.3 W282AR Savannah, GA (2)
1150 WJEM Valdosta, GA	1490 WSNT Sandersville, GA	99.3 WCON-FM Cornelia, GA	104.5 WYYU Dalton, GA
1230 WAUD Auburn, AL	1490 WJMM Lewisburg, TN	99.5 W258AP Macon, GA (14)	104.7 WAAZ Crestview, FL
1230 WBLJ Dalton, GA	1490 WCLE Cleveland, TN	99.7 W259AK Swainsboro, GA (15)	105.1 W286BO New Elm, GA (28)
1230 WJUL Hiwassee, GA	1580 WVOK Oxford, AL	99.9 WSNT-FM Sandersville, GA	105.1 WALV Lakesite, TN
1240 WGGG Gainesville, GA	1580 WPMO Pascagoula, MS	100.1 WWFN Lake City, SC	105.5 W288CV Columbus, GA (29)
1240 WPAX Thomasville, GA	1590 WCSL Cherryville, NC	100.3 W262CD Cartersville, GA (16)	105.5 WIFO Jesup, GA
1270 WLIK Newport, TN	1590 WCAM Camden, SC	100.3 W263AI Murfreesboro, TN (17)	106.3 WKNU Brewton, AL
1300 WJBB Winder, GA	1630 WRDW Augusta, GA	101.1 WLJA Ellijay, GA	106.7 WYAY Gainesville, GA
1300 WMTM Moultrie, GA	FM	101.1 WTGA-FM Thomaston, GA	106.9 W295AV Winchester, TN (30)
1310 WHEP Foley, AL	92.1 WKUL Cullman, AL	101.1 W266DC Gastonia, NC (18)	107.1 W296CX Winder, GA (31)
1310 WISE Asheville, NC	92.1 WBTR Carrollton, GA	101.3 W267BC Blairsville, GA (19)	107.1 WFXM Gordon, GA
1330 WLBB Carrollton, GA	92.1 WPEH-FM Louisville, GA	101.7 W269CC Adairsville, GA (20)	107.5 WRWR Cochran, GA
1340 WQSC Charleston, SC	92.3 WQLI Meigs, GA	101.7 WYUM Mount Vernon, GA	
1340 WCDT Winchester, TN			

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