



DX MONITOR

The official publication of the
International Radio Club of America

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G'day. This time, IRCA welcomes: **Jon Zondio** (Yukon OK), **James Niven** (Cedar Creek TX) and **Mauro Ritola** (joins as member rather than via EXCH) (Heinavaara, Finland). **Seattle** deadline for our next issue (V56_N11) is **Monday 11/12/18 4 PM PLT** – pb.

2019 Radio Tower Calendar

This is the 18th year we've produced the calendar.

We have pictures from all over the country, plus international sites. Photos are taken throughout the year, highlighting different seasons. If you want more details on which towers are in this year's calendar, I can give you the list.

Calendar is \$20 plus \$7.10 shipping. Add 8.25% tax if you live in NY State. Calendars are shipped Priority Mail.

Autographed calendars are \$25 and come with a complimentary storage bag. Shipping is the same.

Any questions should be directed to lisa@fybush.com or 585-442-5411.

IRCA Slogans List (October 2018)

This completely revised Slogans List includes radio slogans from the US and Canada (over 4500). The 2018 IRCA Slogans List is posted on the IRCA website for all to download. The link is: http://www.ircaonline.org/editor_upload/File/IRCA%20Slogans-Introduction.pdf

For those preferring a hard copy, one can be ordered from the IRCA.

Prices: **IRCA/NRC members** – \$7.25 (US), \$8.50 (Canada) \$10.00 (México), \$10.75 (rest of the world). **Non-IRCA members** – add \$1.00.

To order from the IRCA, send the correct amount (in US funds payable to **Phil Bytheway**) to: **IRCA, 9705 MARY NW, SEATTLE WA 98117-2334**. Or, order through PayPal to email: phil_tekno@yahoo.com (Phil Bytheway). Please state club affiliation when ordering.

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IRCA PRESIDENT – Bruce Portzer – 6546 19th Ave NE – Seattle WA 98115
E-mail: portzerbt@gmail.com

2019 Convention Bids

Bids for the IRCA 2019 convention are now being accepted. If you're interested, please contact me at the above email address for a convention bid form. Deadline for bids is **now 11/15/18**.



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: November 03 2018 **Column data span:** October 20-November 03 2018, Data courtesy of **Stationintel.com**, FCC database and member contributions.

CALL CHANGE

FREQ	OLD CALL	CITY OF LICENSE	NEW CALL
1110	WMUX	Hurricane, WV	WYMW

FORMAT, SLOGAN AND SILENT STATUS CHANGES

FREQ	CALL	CITY OF LICENSE	NEW INFORMATION
610	WCEH	Hawkinsville, GA	was classic hits, now ESPN Radio Network sports, old slogan: "The Fox Classic Hits Network", new: "Middle Georgia ESPN"
620	KWAL	Wallace, ID	now silent
670	WYLS	York, AL	adds slogan: "Rejoice 670-100.7"
710	WTPR	Paris, TN	was oldies, now classic hits
750	WAUG	New Hope, NC	was talk, now urban contemporary, old slogan: "Power 750", new: "Hot 97.9"
840	WCEO	Columbia, SC	was Spanish, now regional Mexican, adds slogan: "La Raza 840"
930	KRKY	Granby, CO	old slogan: "Colorado Country", new: "Colorado's Ski Country-FM"
	WHON	Centerville, IN	was adult contemporary, now classic hits
980	WKLY	Hartwell, GA	old slogan: "Lake Hartwell's Radio Home", new: "FM 104.1 WKLY"
	WFPF	Park Falls, WI	was talk, now adult hits, old slogan: "Freedom Talk", new: "103.1 Jack-FM"
1010	WCSI	Columbus, IN	old slogan: "News-Talk 1010", new: "News-Talk 1010 – 98.1"
1110	WYMW	Hurricane, WV	was silent, now contemporary Christian, adds slogan: "WALK FM"
1150	WXKO	Fort Valley, GA	adds slogan: "Middle Georgia ESPN"
1160	WYDU	Red Springs, NC	adds slogan: "Information and Inspiration"
1180	WJNT	Pearl, MS	old slogan: "NewsTalk 1180", new: "NewsTalk 1180-96.9"
1230	WLNR	Kinston, NC	was silent, now regional Mexican, adds slogan: "La Grande 1000"
1240	WENK	Union City, TN	was oldies, now classic hits
1340	WTYS	Marianna, FL	now silent
	WAGR	Lumberton, NC	was silent, now urban gospel, adds slogan "Inspiration and Information"
	KJMU	Sand Springs, OK	was unknown format, now regional Mexican
	WGRV	Greeneville, TN	old slogan: "Hometown Radio", new: "Hometown Radio 1340 AM 99.5 FM"
1360	WGBN	McKeesport, PA	old slogan: "Gospel Excellence AM 1360", new: "Power 1360"
1400	WJQS	Jackson, MS	old slogan: "1400 The Fan", new: "The Fan WJQS 106.3-1400"
	WYUP	Loretto, PA	was adult standards, now new unknown format
1450	WLER	Dover-New Philadelphia, OH	old slogan: "The Voice Of The Valley", new: "1450 WJER Radio"
	WTRO	Dyersburg, TN	old slogan: "Good Time Oldies", new: "Dyersburg's Good Time Oldies AM 1450 and FM 101.7"
	WSMG	Greeneville, TN	was oldies, now classic hits, old slogan: "Oldies 1450", new: "Jewel FM"

1460	WEWO	Laurinburg, NC	was silent, now urban gospel, adds slogan: "Inspiration and Information"
1490	WKRO	Cairo, IL	was news/talk, now alternative rock, old slogan: "AM 1490", new: "103.3 The Bridge"
	KLNT	Laredo, TX	was country, now classic hits, old slogan: "1490 The Rodeo", new: "Classic Hits 1490 AM"
1500	WKIZ	Key West, FL	now silent
1580	WJOL	Columbus, GA	was ESPN Radio Network, now CBS Sports, old slogan: "ESPN 1580", new: "CBS Sports Radio"
	WWDN	Danville, VA	was classic hits, now classic rock
1590	WBHN	Bryson City, NC	old slogan: "Real Country", new: "Classic Country"
	KTIL	Netarts, OR	old slogan: "Good Time Oldies 1590", new: "Good Time Oldies 1590-94.3"
1600	WIDU	Fayetteville, NC	adds slogan: "Inspiration and Information"
	KRVA	Cockrell Hill, TX	adds slogan: "Radio Saigon Dallas"

Well, Halloween has come and gone, we're into November and we switch back to standard time Saturday night 11/3/Sunday morning 11/4. Don't forget to set your clocks back 1 hour, the day before the switch is one of the best for sunrise skip DX! Did my presentation on AM DXing recently at my Laurel MD Ham radio club, was well received, got lots of questions and hopefully some people in the club went to our website which I advertised heavily and maybe get some new members from our area. Many people seemed to be quite interested in it. They even made me a member of another nearby ham club with a free membership! Looks like Seattle may be our 2019 convention location (what??? - pb), we'll see how things progress with that. Everyone have a great November, be sure to vote next Tuesday 11/6 if you haven't already. 73's. Bob Wien



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

For October 2018, compiled November 1 2018.

OWNERSHIP CHANGES GRANTED

570	NL	Corner Brook	CFCB	From Newcap to Stingray Digital Media.
590	NL	Saint John's	VOCM	From Newcap to Stingray Digital Media.
610	BC	Kamloops	CHNL	From Newcap to Stingray Digital Media.
620	NL	Grand Falls	CKCM	From Newcap to Stingray Digital Media.
650	NL	Gander	CKGA	From Newcap to Stingray Digital Media.
710	NL	Clareville	CKVO	From Newcap to Stingray Digital Media.
740	NL	Marystown	CHCM	From Newcap to Stingray Digital Media.
750	SK	Melfort	CKJH	From Fabmar Communications to the Jim Pattison Broadcast Group.
840	AB	Camrose	CFCW	From Newcap to Stingray Digital Media.
870	NL	Stephenville	CFSX	From Newcap to Stingray Digital Media.
910	AB	Drumheller	CKDQ	From Newcap to Stingray Digital Media.
930	NL	Saint John's	CJYQ	From Newcap to Stingray Digital Media.
1230	BC	Merritt	CJNL	From Newcap to Stingray Digital Media.
1240	NL	Baie Verte	CKIM	From Newcap to Stingray Digital Media.
1340	BC	Ashcroft	CINL	From Newcap to Stingray Digital Media.
	BC	Elkford	CJEV	From Newcap to Stingray Digital Media.
1400	BC	Clearwater	CHNL-1	From Newcap to Stingray Digital Media.
1440	AB	Wetaskiwin	CKJR	From Newcap to Stingray Digital Media.

DENIAL

1350	ON	Brampton	CIRF-cp	Relocate originally approved antenna site from Brampton to Mississauga. Rejected due to probable interference to CJMR 1320 Mississauga and because the applicant did not provide details as to why the original antenna site was no longer viable.
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WESTERN DX ROUNDUP – Nancy Johnson – 2922 S Olivewood – Mesa AZ 85212-2923
E-mail: NancyJohnson@prodigy.net

WDXR DEADLINES: Nov. 9, Nov. 16, Nov. 23, Nov. 30, Dec. 7, Dec. 14, Dec. 21, Dec. 28, Jan. 4, Jan. 11, Jan. 18. Please use Eastern Local Time.

REPORTERS FOR THIS ISSUE:

- (RB) **Rick Barton**-PO Box 5503-Peoria AZ 85385 desertmoon_dxshack@inbox.com
ATS-909X, RF-2200, Satellit 205/T.5000, stock loops and Terk loop
- (BB) **Bill Block**-Prescott Valley AZ billblock@cableone.net
R8, Wellbrook ALA1530LNP
- (JCJ) **John Johnson**-2922 S Olivewood, Mesa AZ 85212 John_Johnson@prodigy.net
SDRplay RSPduo, Wellbrook ALA1530LNP
- (bp) **Bruce Portzer**-6546 19th Avenue NE-Seattle, WA 98115 bportzer@comcast.net
Elad FDM-S2, 10x40 terminated loop aimed north
- (MS) **Mike Sanburn**-PO Box 1256-Bellflower CA 90707-1256 mikesanburn@hotmail.com
Sangean DT 160

- *****
- 760 WJR **MI**, Detroit 10/27 0032 local ads and weather, "Newstalk 760 WJR" ID, good. (bp-WA)
 - 660 KGSV **CA**, Oildale 10/28 KTNN still of the air. Mixing with XEEY and CFFR, 0100 out of Asian music with "Radio Punjab" slogan and "You're listening to Radio Punjab AM 660 Oildale, K273CB 102.5 FM Bakersfield" ID. Lost to CFFR. New for me. (JCJ-AZ)
 - CFFR **AB**, Calgary 10/27 good mixing with KGSV, KTNN off the air. 0902 out of Calgary car dealer spot and weather for Canada with "Traffic and weather together in less than 10 minutes, 660 news time 7:02" into Canadian news. First time heard. Very rare to find KTNN off the air. (JCJ-AZ)
 - +10/28 0220 ID during traffic and road report, local spots, woman "6-60 News," Boys and Girls Clubs of Calgary PSA. Heard well during outage of KTNN, which was alerted to me by John Johnson (thank you). Strong and steady with Grundig 205/T.500 and provided loop. At 0308 tom-toms and chanting suddenly came up on the channel, telling me KTNN had reactivated the transmitter, but they kept cutting off and on over the next half hour until I tuned out. New log here. (RB-AZ)
 - 670 WSCR **IL**, Chicago 10/27 0040 commercial break during talk show, announcement mentioned "670thescore.com" and Chicago, fair-poor under KBOI. (bp-WA)
 - KMZQ **NV**, Las Vegas 10/28 at 0331 recorded ID with "I'm Michael Medved and this is KMZQ Las Vega." Heard well over KBOI. (RB-AZ)
 - 680 CJOB **MB**, Winnipeg 10/25 0600 "Global News Radio, CJOB, Winnipeg's News and Information Leader," then news, loud with bits of nulled down KNBR in the background. (bp-WA)
 - 700 WLW **OH**, Cincinnati 10/27 2206 popped in with "Newsradio 700 WLW" ID then ad, mixing with KXLX and someone else. (bp-WA)
 - +11/1 briefly good with KALL nulled. 0031 with "700 WLW" and news. Not new, but very rare here. (JCJ-AZ)
 - 720 WGN **IL**, Chicago 10/27 0037 sports, traffic, weather, many call IDs fair under KDWN. (bp-WA)
 - 730 KDAZ **NM**, Albuquerque heard 10/28 at 2200 with "KDAZ Albuquerque." (BB-AZ)
 - 740 KNFL **ND**, Fargo 10/27 0030 mixing with CBX, mentioned "740 The Fan" slogan and 740thefan.com, then ESPN sports. (bp-WA)
 - 750 KOAL **UT**, Price 10/20 2345 Fox Sports promos, partial program clips. (RB-AZ)
 - 760 KDSP **CO**, Thornton 10/25 0602 good with iHeart Radio promo, "Orange and Blue 760" slogan, ABC Sports. (bp-WA)
 - 770 KTTH **WA**, Seattle heard 10/29 at 2100 with "770 KTTH" way under KKO. (BB-AZ)

- 780 WBBM **IL**, Chicago 2358 "Newsradio 780 and 105.9 FM, WBBM," sports headlines, weather, CBS news, fair-good mixing with nulled KKOH. (bp-WA) (10/26? – NJ)
- 830 WCCO **MN**, Minneapolis 10/25 0600 "Newstalk 8-3-0 WCCO" ID then into CBS news. (bp-WA)
- 840 WHAS **KY**, Louisville 10/27 0005 atop with "Newsradio 8-40 WHAS." (bp-WA)
- 870 WWL **LA**, New Orleans heard 10/28 at 2139 with "Sports Talk WWL." (BB-AZ)
- 900 CKBI **SK**, Prince Albert heard 10/31 at 0834 with sport talk then at 0834 "Right here on 900 CKBI." (BB-AZ)
- 940 CJGX **SK**, Yorkton heard 11/1 at 2100 with "Serving Saskatchewan and Manitoba we are GX 94." (BB-AZ)
- 1020 KDKA **PA**, Pittsburgh 10/25 0607 traffic and weather mixing with KWIQ, "Newsradio 10-20 KDKA" ID. It's been many years since I last heard KDKA. (bp-WA)
- 1040 WHO **IA**, Des Moines 10/27 0047 promo for something "...on 1040 WHO," fair under CKST. (bp-WA)
- 1110 KFAB **NE**, Omaha 10/25 0559 string of ads, ID "Newsradio 11-10 KFAB Omaha," ten Fox News, good with KBND eliminated. (bp-WA)
- 1120 KMOX **MO**, St Louis 10/25 0659 mixing with KANN and nulled down, weather, news teasers, legal ID, CBS(?) news. (bp-WA)
- 1340 KYLT **MT**, Missoula 10/25 0800 legal ID for KYLT and KGRZ-1450/92.7 briefly atop jumble. (bp-WA)
- KWVR **OR**, Enterprise 10/25 0600 partly atop with legal ID for 1340 AM and 96.1 FM, then ABC news. (bp-WA)
- 1380 KOTA **SD**, Rapid City heard 11/1 at 0855 with "From KOTA Weather Center" then weather report. (BB-AZ)
- 1410 KGSO **KS**, Wichita heard 11/1 at 0900 with a very weak "KSGO." (BB-AZ)
- KWYO **WY**, Sheridan heard 10/31 at 0919 with "106.9 and 1410 KWYO." (BB-AZ)
- 1440 KAZG **AZ**, Scottsdale 10/31 1019 coming out of ads, call letters sang as jingle. (MS-CA)
- 1450 KMMS **MT**, Bozeman 10/25 0700 dual ID for KMMS and KPRK 1340 poor in jumble. (bp-WA)
- KGRZ **MT**, Missoula 10/25 0800 partly atop with ID for KGRZ-1450 and KYLT-1340, then Fox Sports. (bp-WA)
- 1530 ?WCKY? **OH**, Cincinnati 10/27 0058-0201 tentative reception, ESPN programming under KFBK poor-nil. No ID heard but nothing else fits. (bp-WA)
- 1580 CKDO **ON**, Oshawa 10/25 0700 briefly surfaced with oldies, AM-FM ID mentioning Oshawa and CKDO. (bp-WA)
- 1600 KTBC **AZ**, Cottonwood on 10/20 at 2202 heard briefly over the jumble. Not usually heard by me after dark. (RB-AZ)
- KIVA **NM**, Albuquerque 10/20 at 2200 good ID by man, up over the GY mumble-rumble. Heard on ATS-909X barefoot, oriented for NE/SW reception. (RB-AZ)
- 1660 KQWB **ND**, West Fargo 10/26 2359 weak but atop with local ad, legal ID, Fox Sports. (bp-WA)

Thank you everyone for the WDXR reports this week. The CFFR loggings were a result of DXers helping one another. I noted KTNN off the air October 27 at 0600 while trying to add points for the contest and heard CFFR in the process! I passed the information on to John for when he listened back to his SDR recording of the band. He in turn passed the information on to Rick. As a result, three DXers heard a new station! – Nancy 11/2 1900



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

RIDING GAIN

- [EB-MO] **Eric Bueneman**, Hazelwood MO **N0UIHEric@gmail.com**
 CountyComm GP-5/SSB Ultralight receiver, Grundig AN-200 tunable loop, General Electric Superadio III
- [GH-IL] **Greg Harris**, Park Forest IL **wdx9khy@sbcglobal.net**
 FRG100, Quantum Loop

DOWN THE DIAL

- 720 WRZN **FL**, Hernando. 10/29 fair to poor signal in WGN null. 0425 noted with the *Walk With the Word* broadcast, station promos. Apparently on day power; information confirmed via check of schedule on the Web site. [EB-MO]
- 740 WHMT **TN**, Tullahoma. 11/1 fair to poor signal in CFZM null. 0332 noted with "WHMT" ID into Country format. Apparently on day power. AM #120 from the Volunteer State, #10 on 740. [EB-MO]
- 880 WCBS **NY**, New York. 10/31 fair signal in WIJR null. 0406 noted with local spots, calls, EDT time check, traffic report, weather forecast, "WCBS news time 4:11" time check into EAS test. [EB-MO]
- 910 KVIS **OK**, Miami. 10/31 fair. 02:00 with "KVIS... Oklahoma" followed by woman giving weather report. New. [GL-IL]
- 930 WKY **OK**, Oklahoma City. 11/1 fair to poor signal, mixing with WBEN, WLLL, WTAD. 0451 noted with promo for a European soccer match in Spanish, "ESPN Deportes" mention, local promo in Spanish, "WKY" mention in heavily accented English. [EB-MO]
- 940 WCPC **MS**, Houston. 10/28 good over WMIX. 18:00 with multiple IDs by male announcer. New [GL-IL]
- 950 WAKM **TN**, Franklin. 11/1 fair in WNTD null. 02:00 with "AM 950 WAKM Franklin" legal ID by male announcer. New. [GL-IL]
- 1070 KNX **CA**, Los Angeles. 10/25 fair to poor signal, mixing with CHOK, WCSZ, WFNI. 0516 noted with sports report, calls and traffic report. [EB-MO]
- 1400 KFRU **MO**, Columbia. 10/31 fair to poor signal, mixing with WGIL and other stations. 0450 noted with *Red Eye Radio* and local spots. [EB-MO]
- 1470 KYYW **TX**, Abilene. 11/1 fair to poor signal, mixing with WMBD, WVOL and other stations. 0529 noted with "KYYW" ID and local spots. [EB-MO]
- 1490 KDRS **AR**, Paragould. 11/1 fair to poor signal, mixing with KDMO, KFTK and other stations. 0523 noted with Rock format, "This is I-Rock" ID. [EB-MO]
- 1520 KOKC **OK**, Oklahoma City. 10/31 good signal over KRHW. 0505 noted with local spot, promo, "The new generation of talk radio, KOKC" ID into *Beyond Reality Radio*. [EB-MO]
- 1610 CHHA **ON**, Toronto. 10/31 good signal, alone on channel. 0417 noted with local spots in Polish, Portuguese and Spanish, mentions of Etobicoke and Mississauga. [EB-MO]
- 1680 KRJO **LA**, Monroe. 10/31 good signal over WTTM. 0509 noted with "My 99-point-Seven" ID into Adult Hits format. [EB-MO]

FLASHBACK

50 Years Ago – November 9 1968 issue of "DX Monitor" ... **Marc DeLorenzo** of Hyannis MA became the editor of both the EXDR and EDXF ... **Bill Nittler** of Englewood CO received his third verie from Maine ... **Gary Peterson** of Oklahoma City OK received a verie from KBOI for his 39th state verified ... **Patrick Martin** of Seaside OR logged the BBC on 719 ... **Father Jack Pejza** of Ojai CA said he has logged 30 states in just 10 months of DXing. // **25 Years Ago – November 6 1993** issue of "DX Monitor" ... **Craig Wagner** of Redding CA reviewed the Benmar Navigator 555 receiver ... **Ralph Sanserino** of Riverside CA explained why the club charges \$1 for the twelve-page membership list after **Leonard Hyde** of Blacksburg VA complained it should only cost 35 cents.

OPEN MIKE

Thanks Eric and Greg for your reports this week. November is here and the new DX season is going strong. There is still time to join this year's DX Contest. This column was typed 11-2-18. 73, John



EASTERN DX ROUNDUP – Eric Bueneman (N0UIH) – 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**, Thorold, ON, Canada **paulisnider@yahoo.ca**
 Elad FDM-S2 software-defined receiver, Pixel RF Pro-1B loop, MFJ-1020C as a tuner

ACROSS THE DIAL

- 1550 WIGN **TN**, Bristol – 10/27 2323 noted with Bluegrass format, what sounded like an ad for Good Old Boys (cannabis) Seeds with mentions of "WIGN" and 92.1 FM, a listener-recorded promo mentioning "WIGN 1550" into another music set. A fair to poor signal was noted atop the frequency; obviously on day power. (PS-ON) (92.1 refers to W221EC Bristol TN – eb)

- 1570 **WILO** **IN**, Frankfort – 10/31 2130 noted with a Classic Hits format, clearly heard a National Guard PSA with a mention of the Indiana National Guard, might have heard a “WILO” ID at 2152, but not 100% sure. A very poor signal was noted, mixing with an unidentified Oldies station and other stations. This might have matched the Tune-In Web stream, but way off from a time standpoint. (PS-ON)
- 1600 **WKXX** **WV**, Wheeling – 10/26 0631 noted with a mention of “*Watchdog Morning Show*, 7:00 to 10:00 am, AM 1600 WKXX, AM 1370 WVLY and Watchdog Network-dot-com” mention by a male announcer, followed by an “AM 1600 WKXX Wheeling” legal ID by another male announcer. The signal was noted mixing with WCPR, WIDU and an unidentified rock and roll station. (KK-VA)

EDITOR'S NOTES

Thanks to Kraig and Paul for their logs this week. WKXX is an old familiar call to me... it was on 106.5 MHz in Granite City IL from 1994 to 2000; before that, it was on 104.1 MHz in Jerseyville IL (now assigned to Hazelwood MO) from 1985 to 1994; both as Country stations. I logged the present WKXX at Erie PA at 1106 ELT on August 4 2009. WILO and sister station WSHW 99.7 are both longtime properties of Kaspar Broadcasting Company, which owns KWRE 730 and KFAV 99.9 in Warrenton MO. 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: dxwww.irca@gmail.com all times UTC

Deadline – Monday 1200 UTC.

*** TRANS-ATLANTIC DX ***

- 639 **CZECH REPUBLIC** Český Rozhlas synchros. OCT 31 0445 – Poor to fair with female ballad, definitely // with the Český Rozhlas Dvojka webstream, very little delay. [NHP-BC]
- 693 **UNITED KINGDOM** BBC Radio 5 Live synchros. OCT 31 0427 – Poor to fair with a man talking //909 which fortunately was also delivering weak audio at the time. With the evil CBU-690 splatter mostly ruling the channel, there's usually not a chance for this, as CBU is within 25 degrees of the desired DX. CBU drew breath for a few seconds, and R Five Live punched through (well, a bit). [NHP-BC]
- 909 **UNITED KINGDOM** BBC Radio 5 Live synchros. OCT 31 0427 – Poor with man talking, and enough to establish parallel to 693. [NHP-BC]
- 954 **TURKEY** TRT 1 Radyo Bir, Trabzon-Deliktas. OCT 31 0307 – Poor with musical interlude, man talking, enough to parallel up with their webstream, Haven't heard Turkey since 1980 maybe, when 1017 was a master blaster. [NHP-BC]
- 1026 **IRAN** Radio Tabriz, Azarshahr. OCT 31 0237 – Poor at best, but nice sequence of orchestral music, then woman talking parallel to webstream <http://tabriz.irib.ir/liveradio> with 25 second delay. Only third time that Iran has been heard here at home. Only others were 1503, no longer with us, and the 1575 jammer, which hardly qualifies. [NHP-BC]
- 1386 **LITHUANIA** Radio Baltic Waves, Viesintos. NOV 3 0157 – Good strength. There had been TA carriers showing here since before local sunset this evening, but not much development until 0157 when 1386 started on a roll with a man and woman in Russian-like language, including several Radio Svoboda IDs. [NHP-BC]

*** TRANS-PACIFIC DX ***

- 525 **ALASKA** ICW, Nenana/Ice Pool Muni. OCT 19 Time? – repeated CW ID, back again for the first time this season. The code is offset 1020 Hz, so tune either 524 or 526 with BFO on. This is a clear channel beacon (and you thought clears were a thing of the past!) with 1KW, so it should be an easy catch anywhere in west US or Canada. [AWP-CA] ***A correction from my typo last week, this is on 525 kHz! – BJ***
- 531t **JAPAN** JOQG, Morioka, NHK1. OCT 25 1431 – Tentative reception with poor to fair level best heard at 1436 // to very loud 594. Rarely heard here, although common in Masset. Pretty much gone by 1440. [WS-BC]
+NOV 1 1345 – sounded like a location broadcast //567, 594, 666, etc. [CN-BC]
- 540 **CHINA** CNR1 synchros. OCT 29 1429 – Poor with woman singing //945, but was stronger than a man talking on the channel with echoes. [NHP-BC]
+NOV 3 1359 – Chinese talk under/over the domestic with echo pips at the hour – easy //639 (which was the anchor of the morning....) [CN-BC]
- 558 **REP KOREA** HLQH, Yeong-il, KBS2. OCT 25 1426 – Good to very good reception with EZL female vocal. //603. Faded down, then returned at 1436 with pop music, but this time 603 was more powerful at good to very good level, compared to 'only' good for 558. [WS-BC]
- 567 **JAPAN** JOIK, Sapporo, NHK1. OCT 25 1429 – Very strong NHK1 programming. One of the winners this morning! [WS-BC]
+NOV 4 1420 – Japanese man speaking w/ slow (1-2 Hz) SAH against a female speaker in the background Korean or Chinese sounding but not Pacific sounding. [CN-BC]
- 585 **JAPAN** JOPG, Kushiro, NHK1. OCT 25 1440 – Finally a parallel to 594 by 1440. Very weak. Seemingly // to woman on Tokyo's channel, but not so sure a minute later when it sounds male! Perhaps co-channel, or another station taking over the channel. [WS-BC]
- 594 **JAPAN** JOAK, NHK1, Tokyo. OCT 25 1427 – Very strong S9+15 signal with NHK1 programming, but there's someone else there, weakly, co-channel. I'm suspecting 3WV, and again at 1432. Seemingly //612. [WS-BC]
- 603 **CHINA** CNR1. NOV 1 1346 – Alone on top with the CNR1 program with preachy Chinese woman. [CN-BC]
REP KOREA HLSA, Seoul, KBS2. OCT 25 1427 – Very strong reception at this time, but again, I can hear a weak co-channel speaker. //558. At 1435, I'm hearing NHK1, I'm pretty sure, which would be the 5 kW senders from either Obihiro or Okayama (JOOG or JOKK). Those only lasted for about 30 sec, before HLSA came blasting back. [WS-BC]
+NOV 4 1421 – Solid Korean pops taking on one or two Chinese channel stalkers – but winning. [CN-BC]
- 612 **AUSTRALIA** 4QR, Brisbane. OCT 25 1426 – Good to very good reception with a call-in type program. Weak co-channels are there, but jumbled. Faded to nothing, before making a comeback at 1441. [WS-BC]
- 621 **CHINA** Heilongjiang RGD Xinwen Guangbo synchros. NOV 4 1453 – Good with pop music //900. These were also heard 29 and 30th October, but not so well. [NHP-BC]
DPR KOREA Chongjin, Pyongyang Bangsong. OCT 25 1427 – A messy, buzzy frequency. Strong signal. One on 621.000, and the other, presumably North Korea on 620.931, with the latter slightly stronger. The result is no useful signal. [WS-BC]
- 639 **CHINA** CNR1 synchros. OCT 25 1427 – Chinese speaker (woman) with a little forceful tone. Faded down by the BOH, but fair+ beforehand. Suddenly back up to good + reception at 1431. Even very good, with Chinese newscast, with some fanfares. Ads at 1433. Sounds almost like an audio relay of television. Pretty much gone by 1440. [WS-BC]
+NOV 1 1347 – Chinese talk with woman and man at good levels. [CN-BC]
+NOV 2 1419 – Huge signal, with woman in Chinese; was able to tune to 640, and listen to this just the same in AM or synchronous AM. Similarly, NOV 1 1430, huge signal with pips, time check, news, but had developed multiple echoes by 1435. [NHP-BC]
+NOV 3 1401 – News anchor Chinese man //639 and 540 – likely news hour reflector of an RGD station of unknown city. [CN-BC]
+NOV 4 1422 – All alone with Chinese network programming – down 3-6 db over yesterday easily. [CN-BC]
- 640 **ALASKA** KYUK, Bethel. OCT 25 1430 – Not KFI, as they went into NPR news at the BOH. NPR ID again at 1431:30. Pretty much gone after that. Fair overall, with a lot of splatter from the high side. [WS-BC]
- 657 **DPR KOREA** Pyongyang, Pyongyang Bangsong. OCT 25 1426 – Gary's (Gary DeBock – pb) favourite station, and just pounding in with entertaining marshall music, although a little lighter than I remember from past years. Pretty clean audio, too. Lost them shortly after the BOH, but back again at 14:38 equally strong. Just non-stop instrumentals. [WS-BC]
+NOV 1 1347 – Same hypnotic content, same unusually good signals this Fall. [CN-BC]
- 666 **JAPAN** JOBK, Osaka, NHK1. OCT 25 1431 – Good to very good fade in at 1431. //594 and others. Lasted only briefly, though, and faded soon to nothing. [WS-BC]
- 670 **ALASKA** KDLG, Dillingham. OCT 25 1429 – Nice NPR ID sinching this Alaskan. Good to very good at times, but faded down at the BOH. 41 degrees in Dillingham at 1433, with Bristol Bay marine weather. This one is a regular in Masset, and one of the strongest Alaskans I hear up there. Continued strong to 1442. [WS-BC]
- 675 **CHINA/JAPAN/VIETNAM** NOV 1 1348 – Easy three-some with double echo Chinese woman pontification, followed by Japanese speaking woman/man in the background and in the same minute a Lao/Vietnamese sounding lady surfaced. This is indicative of the deep continental reception we have been getting into Asia this season. [CN-BC]
CHINA Nei Menggu, RGD. NOV 4 1423 – All alone with woman in Chinese – no sign of Vietnam or Japanese programming. [CN-BC]
VIETNAM My Van, Voice of Vietnam 1. NOV 1 1427 – Good with woman talking Vietnamese? By the time I had the Voice of Vietnam 1 webstream running, this had faded under a Chinese station. Had properly IDed at 1359 with its distinctive chimes, but was weaker then, so a bit tentative at this stronger level without the parallel fair. [NHP-BC]

- 680t **ALASKA** KBRW, Barrow. OCT 25 1430 – Highly tentative. Low modulation, but the same male announcer went on for over 10 minutes. No ads or music, just the same monotone. Just seems so unlike KNBR or other big city broadcaster, and much more like the small Alaskan AM operations. Still, only a maybe! [WS-BC]
- 693 **JAPAN** JOAB, Tokyo, NHK2. OCT 25 1428 – Strong reception if not for CBU Vancouver on 690. Best at 1431 with English lessons. Better again at 1441. [WS-BC]
+OCT 30 1235 – More English lessons. S6 signal. Clip available at <https://youtu.be/Er7qoMjylws>. [TR-IA]
- 700 **ALASKA** KBYR, Anchorage. OCT 25 1430 – Took me a while to pull out the ID, but there it was right at 1430 with the call letters. Had I kept listening, I would have realized that it came in much stronger with many references to the upcoming Alaskan gubernatorial elections. Good level. Then local Anchorage ads. Later at 1440 the frequency was taken over by KGRV in Winston OR with religious programming. [WS-BC]
- 702 **JAPAN** JOKD/JOFB, Kitami/Hiroshima, NHK2. OCT 25 1438 – Almost good reception with English lessons on NHK2, //774, etc. At 1430, I may have been hearing a Chinese station, instead, though (very weak). [WS-BC]
- 711 **REP KOREA** HLKA, Seoul. OCT 25 1429 – Actually good reception at 1429, despite major splatter from KIRO in Seattle, but holding its own through the BOH. And yes, //864 as mentioned by Nick Hall-Patch (but stronger). [WS-BC]
- 720 **CHINA** CNRx. NOV 4 1424 – woman talking formal Chinese – pretty much non-stop – was spot on frequency as there was a domestic below it and no sign of any SAH greater than a few Hz. [CN-BC]
- 738 **TAIWAN** Baisha, BEL2. OCT 25 1428 – Fair reception at 1428, but with another co-channel. Lots of 730 splatter. //1143 (which is much stronger). But got a lot stronger with EZL Chinese vocals at 1433 (and 1143 wasn't so strong then). Definitely // at 1438 when both frequencies well heard. [WS-BC]
- 747 **JAPAN** JOIB, Sapporo. NHK2. OCT 25 1434 – Excellent, almost local reception with English lesson. //other NHK2 outlets, like 774. [WS-BC]
- 750 **ALASKA** KFQD, Anchorage. OCT 25 1427 – Excellent reception with time check and temperature at 1428. ID as well. Local S9+20 to 30 reception! An impressive morning, indeed! [WS-BC]
- 756t **CHINA** CNR1 synchros. OCT 25 1430 – Only a tentative logging. Just before 1430, the channel has the 'CNR1 sound'. Too weak to be sure. Suffering from Anchorage splatter on 750! Improved by 1432, and almost certainly //639 (at excellent level!) [WS-BC]
+NOV 1 1349 – Chinese man at very good levels. [CN-BC]
- 774 **JAPAN** JOUB, Akita, NHK2. OCT 25 1440 – Perhaps not as strong as it often is, but still more than ample signal with NHK2 programming, and right through my SDR window of about 20 minutes. [WS-BC]
+OCT 30 1050 – A Halloween themed English lesson, peaking at over an S8. //693. Clips are available at <https://youtu.be/QoFVVdXwypU> and <https://youtu.be/fITMaUhyTms>. [TR-IA]
+NOV 4 1425 – Network programming on top with Chinese woman underneath – NOT CNR1 as compared to 639 KHz [CN-BC]
- 780t **ALASKA** KNOM, Nome. OCT 25 1430 – Not sure whether them or not, but for the entire 15 or so minutes audible, non-stop music with no announcements. Kind of fits the Alaska profile of unattended overnight transmissions. Fair reception. [WS-BC]
- 783t **CHINA** Guangxi Zhuang Guangxi Weixing guangbo. OCT 25 1428 – Briefly heard Chinese here about 1428, before fading out. [WS-BC]
- 792 **AUSTRALIA** 4RN, Brisbane, ABC National. OCT 25 1430 – Not much DU activity this morning, but there's 4RN breaking through the adjacent splatter from nearby Bellingham at fair level (would be good otherwise) improving after 1430. Talk show of some sort. [WS-BC]
- 801 **UnID** OCT 25 0359 – A reasonably strong carrier, apparently on 801.000, but there's another wobbly carrier, first measured on 800.817, and then drifting to 800.740. Perhaps North Korea. Is it just an OC or severely undermodulated transmitter? Strong enough that I should hear something! By 1435, that wobbly carrier seems to be gone, leaving 801.000 in the clear, but still unable to make out anything. The wobbler is back a few minutes later, though. [WS-BC]
- 819 **DPR KOREA** Pyongyang, KCBS. OCT 25 1428 – Pretty typical North Korean large strident choir singing the praises to their dear leader, I'm sure. Plenty of Seattle splatter 1 kHz up, though. Almost good at times. By 1435, the signal was almost as strong as Seattle! [WS-BC]
+NOV 3 1403 – Big female Korean chat with crazy Hell-choir music. [CN-BC]
- 828 **JAPAN** JOBB, Osaka, NHK2. OCT 25 1426 – Good reception with English lesson. Improving by the BOH. I don't think the Japanese are as strong compared to the mainland Asians today. Good reception mostly, though. [WS-BC]
- 830 **ALASKA** KSDP, Sand Point. OCT 25 1435 – Another regular into Masset, but not so common down here. Good reception with NPR programming (?BBC, as the announcer has a UK accent), reporting about Riyadh, and //670. Faded in after 1430. Pretty strong within a few minutes. [WS-BC]
- 837t **CHINA** Harbin, RGD. OCT 25 1426 – I'm hearing 2 stations co-channel at this time. The stronger is definitely a Chinese speaker, possibly Harbin RGD with 50 kW. The co-channel is a bit too weak to hear. Reception is fair to good. By 1430, the co-channel is a bit stronger, and sure sounds either Japanese or Korean, and especially by 1441. [WS-BC]
+NOV 1 1350 – Very good with man chatting away in strident Chinese. [CN-BC]
+t NOV 3 1420 – while there was nothing here a mere 15 minutes earlier, this station started to soar as we approached LSR with cheerful Chinese pops – very good levels. [CN-BC]
- 846 **UnID** OCT 25 1449 – A reasonably strong carrier, but low modulation. I'm guessing either China or Taiwan on this one from the tone of the language. Only tentative, though! [WS-BC]
- 850 **ALASKA** KICY, Nome. OCT 25 1431 – Good reception, but interesting propagation with continuous fade ups, then fading away, only to come back again (and again). Way over co-channel lower 48 US station at 1442 with a Sermon. Near local quality at times. [WS-BC]
- 855t **DPR KOREA** Sangwon, Pyongyang Bangsong. OCT 25 1439 – 855 is not what it used to be. I recall this North Korean channel coming in at armchair level morning after morning years ago, but it's a bit anemic of late. Earlier, I was pretty sure it was //657, but later, I'm not so sure. Hence the tentative logging. [WS-BC]
- 864 **REP KOREA** HLKR, Gangneung, KBS1. OCT 25 1436 – Good reception at times with Korean banter, then into a brief musical piece, before the same announcer came back. [WS-BC]
- 873 **JAPAN** JOGB, Kumamoto, NHK2. OCT 25 1441 – Finally, some audio by 1441, but obliterated mostly by serious splatter from 880 KIXI Seattle. Poor to fair only. [WS-BC]
- 890 **ALASKA** KBBI, Homer. OCT 25 1429 – Excellent reception into NPR news after a local ID. Very nice! Another favourite in Masset. [WS-BC]
- 891 **JAPAN** JOHK, Sendai, NHK1. OCT 25 1431 – Very good reception at 1431 clearly //594, but quickly faded down. [WS-BC]
- 900 **CHINA** Heilongjiang RGD Xinwen Guangbo synchros. NOV 4 1453 – Poor with music //621. [NHP-BC]
- CHINA** UnID. NOV 1 1400 – A series of pips at the top of the hour under the Canadian domestic. [CN-BC]
- 918t **JAPAN** JOEF, Yamagata. OCT 25 0534 – At 1428, not at all sounding Chinese, but rather Japanese tentatively, as was very weak. Much improved by 1431:30 with piano music, now over what assume was the Japanese speaker, so perhaps the Shandong RGD now. Good reception there. Unlike Colin's problem with 920, no issue at all for me for the most part. By 1435, most definitely Chinese, and again at 1442. [WS-BC]
- 930 **ALASKA** KTKN, Ketchikan. OCT 25 1428 – ID at 1428 into an Adelle song. Easily overpowering other co-channels. Good reception. Another nice ID at 1439 into weather. [WS-BC]
- 936t **CHINA** Hefei, Anhui RGD. OCT 25 1437 – Faded up nicely out of the blue with vocal music. Presumed Chinese talk by man at 1440. Fair at best, so better leave this a tentative. [WS-BC]
- 945 **CHINA** Jiaohe, CNR1. OCT 25 1427 – Strong reception in Chinese at good level. Much stronger than //639. A bit of splatter from 950. Not sure whether there is a co-channel, or some music in the background. Fanfare ID at 1430. Faded down somewhat at 1432 revealing someone else. Aha! See my next log! [WS-BC]
JAPAN JOIQ, Muroran, NHK1. OCT 25 1433 – This channel is owned by CNR1, but for a minute before the positive ID, CNR1 faded revealing someone else, who then went into a piano piece. Yes! //594, so this is a very 2nd tier NHK1 station of which 4 are listed at 1, 3 and 5 kW. I chose the closest and most powerful on Hokkaido as the probable. I'm pleased! [WS-BC]
- 954 **JAPAN** JOKR, Tokyo, TBS. OCT 25 1426 – More splatter from 950 making this one a bit more of a challenge. Lots of Japanese chatter, and especially good at 1436. [WS-BC]
- 963 **CHINA** Huaduan, CRI. OCT 25 1426 – Good to almost very good reception of CRI's Russian service. //1323 mostly not as strong. [WS-BC]
+NOV 1 1352 – Russian speaking at very good levels. [CN-BC]
- 972t **CHINA** Heilongjiang. NOV 3 1422 – OK, for starters, HLSA utterly monopolizes this channel with complete authority – however, during one or two fades it became apparent that there was someone else present with pretty clear Chinese female talk – definitely NOT parallel to 639 and slightly less formal sounding. Within a minute, Korea returned to crush this interloper. So: Note to other signal chasers. Check this channel out occasionally. [CN-BC]
REP KOREA HLCA, Dangjin. OCT 25 1436 – Wow, what a barn burner signal! S9 + 20 at times and equal to domestic 970 which causes a minor amount of splatter. Strongest station on the band up to now. Pretty amazing signal! Korean banter mostly. [WS-BC]
+NOV 1 1352 – Super loud Korea talk and soft music. [CN-BC]
+NOV 4 1440 – Once again, a punishing signal from Korea but persistent network commentary under by Chinese man. [CN-BC]

- 981 **CHINA** CNR1 synchros. OCT 25 1443 – Thanks to Colin Newell for getting me to persevere with this channel. Sure enough if I use USB and at 1443, there is some Chinese talk //945 (and 639) cinching the CNR1 log. A real tough catch with 980 CKNW Vancouver so strong! [WS-BC]
- 999t **CHINA** RGD/JGD. NOV 4 1444 – Chinese monologue by man – thanks to the heft of 1000 KOMO, I rarely get anything here – poor at best but definitely not Korean. [CN-BC]
- UnID** NOV 4 1437 – Poor with man talking, Chinese intonation; operatic singing 1446, not //819, even though it had a North Korean sound to it and was not offset in frequency either, so assume this was the original station. [NHP-BC]
- 1008 **UnID** OCT 25 1438 – A decent signal, and someone way down in the mud, but never strong enough modulation to ID anything. Best around 1438 and later. So much promise! [WS-BC]
- 1017 **CHINA** Changchun, Jilin, CRI. OCT 25 1426 – Most likely CRI in Korean, as pointed out by Nick Hall-Patch (thanks!) at fair to good level. I thought I weakly heard JOLB underneath, but soon faded away. All talk until 1439 when there was some vocal music. Look for //5965 here (and 1323, although the latter is usually CRI in Russian. [WS-BC]
- +t NOV 4 1445 – A noticeably less former back and forth woman/man banter in Chinese with spontaneous "chung chang guangbò dientai..." [sorry, was not recording this – another habit I'll need to restore...] – almost sounded light hearted (which is not CNR1!) [CN-BC]
- 1026t **CHINA** Guiyang, Guizhou RGD. OCT 25 1431 – A tentative logging with some Chinese breaking through the major slop. Ouch. Never amounted to anything. Strongest Chinese station listed is his RGD. Who knows, really? Poor. [WS-BC]
- 1044 **CHINA** Changzhou, CRI. OCT 25 1430 – Japanese programming breaking through the slop briefly. Much improved after 1434, with Japanese being easily recognizable. Almost good level then. [WS-BC]
- 1089 **CHINA** Fuzhou, CNR6. OCT 25 1429 – Breaking through the splatter, difficult to hear who's there. Not typical Mandarin, but more like a South East Asian language. I could be wrong, though. Into music at 1432. Almost good at 1434 with EZL female vocal. More talk at 1438 sounding more Chinese after all. [WS-BC]
- +NOV 1 1428 – Good with male ballad, then man in Chinese; IDed using webstream. [NHP-BC]
- +t NOV 4 1435 – Thundering in and largely along on channel with slightly more animated non-Mandarin speaking – I believe there is a parallel on 49 meters – but my pre-SR SW bands are a crap-storm of RFI (a test ALA100 on a different corner of my property revealed a significantly quieter environs... [CN-BC]
- 1098 **CHINA** Golmud CNR11. OCT 31 1215 – Female announcer into music. Signal peaks at an S8. Frequency offset (or lack thereof) matches transmitter at Golmud. Audio archived on the CNR website also matches the Tibetan service. Clip: <https://youtu.be/SKmj3uJwxaM>. [TR-IA]
- +NOV 2 1435-8 – Poor with melismatic male vocal; couldn't match with webstream which had talk, but //6010 was established, though 6010 was pretty rugged quality. [NHP-BC]
- 1098 **UnID** Taiwan or China? OCT 25 1430 – A definite Chinese speaker here. There may have been a fanfare at 1430, but not entirely sure. Almost fair at times, then faded down to almost nothing. Carrier remained strong, but this might simply be the Marshall Islands. Decent talk again back at 1440 or so. Became quite strong after that, but I stopped recording just before 1443. Note also that Bruce Portzer reports a CNR1 transmitter here as well. Useful for future reference. [WS-BC]
- 1116 **AUSTRALIA** 4BC, Brisbane. OCT 25 1441 – Very nice reception at 1429 with a call in show (the woman sounded 2 sheets to the wind). Faded down, but came back nicely after 1437 and again at 1441. Not much other DU activity this morning. [WS-BC]
- 1116 **CHINA** various. NOV 1 1355 – Chinese at very good levels on a single pass. Heard no echo or other competition [CN-BC]
- 1134t **REP KOREA** HLKC, Kimpo, KBS. OCT 25 1433 – I'm thinking that what I'm hearing sounds more Korean, but it could also just be JOQR from Tokyo. Getting through the serious slop from 1130 Vancouver at times, but a real tough copy as a result. [WS-BC]
- 1143 **TAIWAN** Baisha, BEL3. OCT 25 1427 – Good reception here, although I can hear some weaker co-channel(s). Confirmed by Chris Kadlec as being Chinese with a Taiwanese accent. Thanks, Chris! Faded down, but returned at good level at 1439 until tune-out at 1443. [WS-BC]
- 1152t **REP KOREA** HLCW, Wonju. OCT 25 1427 – Pretty strong signal at times, but suffers from major splatter from 1150. Not NHK2. Not Chinese sounding. Seems //711 when I can hear both at the same time without their respective splatters. A tentative logging, though. [WS-BC]
- 1170 **REP KOREA** HLSR, Gimje, KBS Hamminjok Bangsong. OCT 25 1439 – Good reception, clearly heard under KPUG in Korean. Not aware of anyone domestic that could mimic this one. By 1434 almost equal in strength to KPUG. EZL Korean female vocal. [WS-BC]
- 1179t **CHINA** Hubei, RGD. OCT 25 1430 – Briefly heard some piano at fairly good level which in my mind fits better with Hubei than JOOR. A little flimsy for evidence, but that's my guess! [WS-BC]
- +NOV 1 1356 – At chunky levels and still audible on Honda Civic car radio when pulling into University of Victoria parking lot at 1455. [CN-BC]
- 1188 **JAPAN** JOKP, Kitami, NHK1. OCT 25 1432 – Nice to snag this 2nd (or maybe a 3rd) tier NHK1 outlet at fair, sometimes good level, and //594 and 567 (which made it easy). Improving after tune-in. Female talk in Japanese, into a piano piece. [WS-BC]
- 1206 **CHINA** Yanbian, PBS. OCT 25 1427 – Good reception with operatic sounding piece with orchestral music on the usual 1205.96 or so. Another station is right on the nominal, but don't hear anyone besides Yanbian (in Korean, as listed). [WS-BC]
- 1215 **CHINA** Mudanjiang, Heionjiang, CNR1. OCT 25 1427 – Fair reception at times, and //945. Mostly ruined by the constant splatter from KMIA in Auburn, WA. [WS-BC]
- 1251 **UnID** OCT 25 1430 – I suspect a Chinese station there. Very weak, but occasionally audible. Too weak to make heads or tails of the station, though. [WS-BC]
- 1278t **JAPAN** JOFR, Fukuoka. OCT 25 1427 – Tentatively with low level talk by man, sounds Japanese. Fair at best. [WS-BC]
- 1287 **JAPAN** JOHR, Sapporo, HBC. OCT 25 1427 – No sign of any Chinese stations here. Instead, lot's of 'Hai' with a discussion between 2 males in Japanese. Good reception. Up to very good at S9+10 reception. [WS-BC]
- 1296t **JAPAN** JOTK, Matsue, Shimane. OCT 25 1427 – As Nick likes to describe, this frequency is just burbles in the splatter. A woman there. Seemingly //NHK1 frequencies such as 594, so this is a tentative JOTK in Matsue with 10 kW. [WS-BC]
- 1305t **CHINA** CNRx. OCT 25 1426 – Faded up to fair level with what sounds Mandarin (talk, mostly by man). There are many CNR stations listed here, with most being CNR2 and CNR11 services, although there's also a Jilin transmitter for CNR8 in Korean and Mongolian, so who knows for sure! [WS-BC]
- +t NOV 3 1413 – Similar sounding (to 639 CNR1) programming with formal sounding female anchor – fair levels in the splash. [CN-BC]
- 1314 **UnID** OCT 25 1433 – Darn. This frequency troubles me. I swear that I'm hearing English, or at least the intonation sounds very English. Never strong enough to be sure, so I sent a clip off to the **RA.io** user group. Maybe better ears than mine can make something out! [WS-BC]
- 1323 **CHINA** Shuangyashan, CRI. OCT 25 1327 – Russian service coming in quite well, then fading. Back again to better level (good+) at 1431:40. S9+10 at that time. That opening lasted about 5 minutes before fading down again. [WS-BC]
- 1566 **REP KOREA** HLAZ, Jeju, FEBC. OCT 25 1442 – Disappointing signal strength during my listening period, and only occasionally fading up to fair audio strength. VOA 1575 was by comparison, much better, but overall the top third of the band was very disappointing compared to an excellent lower 2/3 band opening. [WS-BC]
- +NOV 3 1701 – Last signal out with Korean woman speaking still fairly easy copy on the N Flag. [CN-BC]
- 1575 **THAILAND** Ban Phachi, VOA. OCT 25 1433 – In listed Burmese with powerful signal strength, and far above that of HLAZ today. After a wasteland of nothing, or very weak carriers, it was clear that the results to be found were below 1300 or so kHz! [WS-BC]
- 1593 **CHINA** Changzhou, CNR1. NOV 3 1354 – Talk easy //639. [CN-BC]
- *** PAN-AMERICAN DX ***
- 540 **MÉXICO** XETX, Nuevo Casas Grandes, Chih. NOV 1 0046 – "La Ranchera de Paquimé" on AM and FM, ie XETX with FM on 90.5. [GH-OK]
- 550 **MÉXICO** XEPL, Ciudad Cuauhtémoc, Chih. NOV 1 0045 – "91.3, La Súper-Estación", loops WSW. Actually, I thought they said "101.3" which sounds rather similar in Spanish. [GH-OK]
- 630p **MÉXICO** XEFB, Monterrey, NL. OCT 28 1215 – Spanish plugging a program on Alba? 104.5, a Grupo Radio Centro station, 6:15 timecheck, music; loops SSW. Suspected XEFB Monterrey NL. WTFDA FM Database shows slogan ALFA 104.5, CHR format for XHMF-FM in Monterrey but does not relate it to 630 XEFB, which used to be news/talk. Is it now just an appendage of an FM, like so many US AM stations, or a promo for sibling station? [GH-OK]
- 709.875 **MÉXICO** XEDP, La Ranchera de Cuauhtémoc, Chih. NOV 1 0048 – tell-tale het against KCMO or KGNC, from the sometimes off-frequency alternate transmitter of XEDP. Still there at 0612 when I measure, 709.875? Yes, mwoffsets has it on 709.87 as of 2017-03-08. [GH-OK]
- 820 **MÉXICO** XEABCA, Mexicali, BCN. NOV 1 1241 – romantic music in Spanish over WBAP which a few minutes earlier had been dominant; 1242 canned female ID as "Canal ochocientos veinte, ABC Radio", and back to more romantic music, a title starting with "Amor---". Now I measure its SAH separation from WBAP at less than 1 Hz, 48 per minute or 0.8 Hz. My sunrise today 1255. [GH-OK]
- 860 **MÉXICO** XEMO, Tijuana, BC. NOV 1 1247 – KKOW Pittsburg KS C&W is getting CCI in Spanish, but cannot mutually null them, ie close to opposite direction. They both null at the same position, audiblizing French from CBKF-2 Saskatoon. 1301 Mexican NA, short choral version, and 1303 "XEMO, La Poderosa 860, música de recuerdo", non-sign-on info with street address, website, and then prayer to María. XEMO is 10/7.5 kW from Tijuana BCN, which in fact is almost exactly opposite to here from KKOW, but six times further. [GH-OK]

870 **MÉXICO** XETAR, Guachochi, Chih. NOV 1 0052 – XETAR music and female DJ with 5:52 TC, about to close down daytimer at 6:00. La Voz de la Sierra Tarahumara at first atop WWL, then making fast SAH with it. I'm accustomed to hearing this around sunrise. [GH-OK]

CONTRIBUTORS

- NHP-BC **NICK HALL-PATCH**, Victoria BC nhp@ieee.org
AOR AR7030, RFSpace NetSDR; RFSpace SDR-14 running DX Fishbarrel program; north FLG-100 antenna, west FLG-100 antenna, 1m indoor box loop, 14m sloper, DXP-3 phasing unit.
- GH-OK **GLENN HAUSER**, Enid OK (via direct and DXLD eGroup)
DX-398 with internal antenna only or PL-880; NRD-545 with ALA-330S inside E-W or inside random wire N-S; Nissan stock caradio as specified; ICR-75, E-W longwire.
- CN-BC **COLIN NEWELL**, Victoria BC
Drake R8 x2, West Flag/North Flag, 2 X Wellbrook FLG-100 x2, 2 X Self-MFR VACTROL, Self-MFR Misk-Lankford-Ratzlaff PHASERS
- AWP-CA **ART PETERSON**, Richmond CA
JRC NRD-545, Radio Plus Quantum ferrite loop, Bonito Boni-whip active antenna
- TR-IA **TIM RAHTO**, Luther IA
Perseus, SAL-30 antenna
- WS-BC **WALT SALMINAW**, Victoria BC
Perseus SDR and antenna, W facing corner fed loop with FLG-100. Approximate dimensions: 30' x 40'

British Columbia team representing! Thanks to everyone for all the great logs, and welcome to Tim Rahto who I see is using a SAL-30. My SAL-30 is currently set up as a SAL-20, but I have everything together to set it up as SAL-35. Recently got the post holes dug for the corner posts and plan on getting those concreted in this coming weekend and then get someone out to help me erect the mast. My apologies to Art for the typo on ICW-525 last week! 73 and Good DX – Brandon

Mexican Station Update – Tim Hall

Here is a list of 152 Mexican stations that have informed me (via Facebook message or email) that they have turned off their AMs. I believe the actual number of Mexican stations that have left AM is close to 600, but the 152 listed here have specifically told me that they have finished migrating to FM and turned off their AM. It's possible that one or two individual stations may have answered my question incorrectly, but I believe this list is extremely close to 100% accurate.

In a handful of cases, these old AM frequencies have been auctioned off to new licensees, so it is likely we will see new stations on a few of these channels in the years ahead.

73 Tim (Tim is currently updating our Mexican Log database – updated log will be available soon – pb)

550	XEHL-OAX	670	XEIS-JAL	800	XEUI-CHIA	950	XECEL-GJTO	1090	XELB-JAL	1260	XESA-SIN
	XEKL-VER		XEQG-QTRO	810	XESB-CHIH	960	XEUQ-GUER	1100	XECAN-QROO	1290	XEFAC-GJTO
560	XEIN-CHIA		XESIC-VER		XEMAX-COL		XEGB-VER		XEHTY-VER	1310	XEFH-SON
	XEQAA-QROO	680	XECHG-GUER		XEHT-TLAX	970	XEMF-COAH	1110	XELEO-GJTO	1320	XENM-AGUA
570	XEUK-SON		XEORO-SIN		XEZC-ZAC		XEEZ-SON	1120	XEGV-QTRO	1330	XEBO-GJTO
	XEVX-TAB	690	XECS-COL	820	XEYN-OAX	980	XEJK-CHIH	1130	XEMOS-SIN	1340	XECI-GUER
580	XEUE-CHIA		XEXL-MICH	830	XEIK-COAH		XENR-COAH	1140	XELIA-MICH		XEQE-SIN
	XEUAQ-QTRO		XEST-SIN	850	XERTM-TAB		XEXT-NAY	1150	XEJS-CHIH	1370	XEUAA-AGUA
590	XEZZ-CHIA		XEAFA-VER		XETQ-VER		XEQO-VER		XEXP-OAX		XESV-MICH
	XECJU-NAY	700	XERV-TAB	860	XEPLA-AGUA	990	XEID-VER		XEQUE-QTRO	1390	XERW-GJTO
	XEBH-SON		XEVC-VER		XEDB-CHIA		XEFP-ZAC	1160	XEVW-GJTO	1400	XEAC-AGUA
	XEOM-VER	710	XELZ-COAH		XEHX-SON	1000	XEHPC-CHIH	1170	XEJTF-JAL		XEOJ-MICH
600	XEZ-YUC		XERK-NAY	870	XEAMO-GJTO		XEQG-MICH		XEZS-VER		XEAB-SON
610	XEEL-ZAC		XEPS-SON		XELY-MICH		XEMIL-SIN	1180	XEYA-GJTO	1410	XEZHO-GUER
620	XEBU-CHIH	720	XEQZ-JAL	880	XETC-COAH	1010	XEKD-COAH	1190	XESOL-MICH	1420	XEWE-GJTO
	XECK-DUR		XEVU-SIN		XERTP-PUEB		XEVK-DUR	1200	XEAGA-AGUA		XEAFQ-VER
630	XEJR-GUER		XEAVR-VER	890	XEFRT-CHIA	1020	XEOU-OAX	1210	XEITC-GJTO	1430	XEOX-SON
	XEOPE-SIN	730	XEVF-CHIA		XEPC-ZAC		XEKH-QTRO	1230	XEEX-SIN	1460	XEJH-VER
640	XEWM-CHIA	740	XECW-SIN	900	XEDT-CHIH	1030	XELJ-JAL	1240	XELM-CHIA	1480	XEXU-COAH
	XEHHI-CHIH	760	XEEB-SON	910	XEACN-GJTO		XETEK-A-OAX		XEBN-CHIH	1490	XESK-NAY
	XEQY-ZAC	770	XEREV-SIN	920	XEQD-CHIH		XEMPM-SIN		XEBQ-SON	1540	XENC-GJTO
650	XERCG-COAH		XEQRV-VER		XEHQ-SON	1050	XEDC-AGUA	1250	XEJX-QTRO	1580	XELI-GUER
	XECHH-GUER	780	XEZN-GJTO	930	XEU-VER		XEVUC-COAH		XETF-VER		
	XEZM-MICH	790	XEBI-AGUA		XEQS-ZAC		XETAB-TAB	1260	XEJY-JAL		
	XEVSS-SON		XEVA-TAB	950	XECAA-AGUA	1080	XECN-GJTO		XEQL-MICH		
660	XEYG-OAX		XEUP-YUC		XETUG-CHIA		XEXK-VER		XER-NL		



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

Gary DeBock in Hawaii (via IRCA eGroup)

11/2. After two trips to Kona, Hawaii (on the Big Island) my wife and I decided to try a vacation on the "Garden Island" of Kauai. Craig Barnes has already been here with his 5" Frequent Flyer FSL in April of 2017, and made out like a bandit with lots of Asian DX in Princeville, on the north side of the island.

Whereas Kona on the Big Island has a high mountain ridge which greatly reduces the strength of North and South American stations, Poipu in Kauai has a straight ocean shot to both areas, along with similar paths to both Asia and the South Pacific. In DXing tonight it seemed like all four areas were coming in at good strength, with 621 kHz having two S9 stations from two different areas (621-Tuvalu and VoK's Japanese service) and 1440 kHz having the same (Kiribati and JOWF). Fortunately the "Frequent Flyer" FSL can completely null out one area or the other.

To investigate some questions that were discussed recently among the Northwest TP-DXing gang, I made a recording of 621-VoK's Japanese service at 0943, complete with a buzzing hum on the audio (which is more noticeable during signal fades) <https://dreamcrafts.box.com/s/7d6eggmr9ntnfje3zf22dh1s5p32wyd>

There was also a question of the identity of the 783 "Chinese Opera" station. At the 1000 TOH I was able to record the full Chinese ID, which hopefully someone can decipher <https://dreamcrafts.box.com/s/rcliqm4q1b9amlvmw10fgfje6en66a2>

Finally, I promised Chris Kadlec that I would investigate whether 801 kHz really has a Seoul metro area jammer on the Pyongyang BS signal. Unfortunately 801 kHz had this monster UnID covering the frequency from 0910-0930 tonight, which I think may be from the Philippines. Can anyone provide language or station identification? <https://dreamcrafts.box.com/s/mpi5eam5d93beb5hd0kne8y0x50h9zua>

Anyway, Chris, I'll keep trying on the 801 jammer investigation. One thing seems to be for sure here in Kauai – the 819-KCBS and 981-CNR1 stations don't seem to have the overwhelming strength that they did in Kona (at least not tonight). But 783-China was at S9+ strength for much of the evening, when it was pretty weak in Kona <https://dreamcrafts.box.com/s/dsw1h8s4ilxq5mxdnd0bd67fte4wffiw>. Go figure!

73 and Good DX, **Gary DeBock** (DXing at Poipu Kai, Kauai, Hawaii for 6 days), 7.5" loopstick CC Skywave Ultralight + 5" Frequent Flyer FSL antenna
11/3. The first DXing sessions here near the ocean beach at Poipu, Kauai (Hawaii) really made all of the planning, gear development and A/B testing pay off in a major way. Poipu was chosen because of its location at the extreme southern tip of the island, which provides a straight salt water shot to Asia and Oceania, as well as to North and South America. In this aspect it is pretty much unique on Kauai, where a sizable ridge of hills tends to limit transoceanic DX reception from certain areas to other parts of the island.

Several earlier posts were made concerning the phenomenal Costco Travel package for this trip, the awesome Asian signals and another South American station strong enough to splatter over from 1 kHz away to imitate a Pacific area broadcaster.

Exotic, long-range stations were the target during sunrise enhancement this morning, using April's Cook Island results (with the same gear) as a guide. Signals from one of the targets (918-Cambodia) were stronger than in the Cooks, with RNK easily dominating Shandong at 1618 <https://dreamcrafts.box.com/s/cc46e5qwsaxatv7xfwkdgva0q9gvvtli>.

As a parting shot before its 1701 signoff, 918-RNK stomped over Shandong with this awesome S9 music at 1655 <https://dreamcrafts.box.com/s/v7olz8d8tcu9nzv390opsrftzpjiscp6v>

Another target was 1431-Mongolia's BBC service at 1630, but with no signal received at all in the good propagation it seemed pretty odd. Only a few presumed peaks of 693-Bangladesh music peeked through horrible 690-KHNR splatter around 1645, and any hope of receiving 657-AIR (like in the Cook Islands) was smothered by a wicked combination of Pyongyang BS, a presumed Henan, and 650-KPRP splatter.

The most interesting signal received this morning was a pretty strong UnID female voice on 702 kHz under KCBS in Chongjin (NK), speaking in a foreign language that nobody seems to be able to identify <https://dreamcrafts.box.com/s/6y1yiuoxvzd0tly50cnehmma670jb708>.

My own assessment of this mystery (based on a 2017 WRTH listing) shows the 200 kW 702-AIR in Jalandhar A, India (a foreign service station) broadcasting in the Urdu language to South Asia from 1430-1930 daily. It certainly doesn't seem like this is a language commonly recognized by DXers, though, so this may remain a mystery for some time!

Kauai DXpedition setup photos are posted at the following links <https://dreamcrafts.box.com/s/fewexvijg1gnxpng6qrvi56vihnqbof>, <https://dreamcrafts.box.com/s/w9xwj1a2zasg7n4ivz7x0mx621knnr1>, <https://dreamcrafts.box.com/s/66osm6kgxfw53ymil9wsdylw905wxl0r> and <https://dreamcrafts.box.com/s/bucol3mw5x18nus1m1v6jn2ssqxrcebv>. (I'm sure we'll be publishing a full report from Gary once he returns – pb)

Aihkiniemi DXpedition (via IRCA eGroup)

11/5. The latest Aihkiniemi DXpedition report is now online! Come and see what Arctic AM DXing can be at its best. Here's a detailed journal of what we heard and did on DXpedition AIH88 in the Finnish Lapland. The Chinese do have it right, 88 is indeed a lucky number. The DXpedition began with a stunning opening to New Zealand. Several stations were heard from Dunedin (16,700 km from Aihkiniemi) and Invercargill (16,677 km away), which are the most distant AM stations from our QTH that exist. AIH88 continued with very good conditions to North America, so we have loads of recordings to go through. Since this time we were not joined by any TV news group reporting about DXing, we made a couple of videos ourselves, and they are linked to the report. And even if you wouldn't be very interested in AM DXing, I've included a bunch of shots of aurora borealis: <http://www.dxing.info/dxpeditions/aih88rep.htm>

Best regards, **Mika Makelainen** (a great dialog with lots of pictures – pb)



DX FORUM – Richard C Evans – 3908 Grand Oak Ave Apt 4 – Indianapolis IN 46237
E-mail: REvans5435@yahoo.com DEADLINES: Saturdays

Deadlines: 11/12, 11/19, 11/26, 12/3, 12/10 and 12/17

Glenn Hauser, PO Box 1684, Enid OK 73702 wghauser@yahoo.com

Greetings. All times and dates strictly UT. Receiver: mostly DX-398 with internal antenna only or PL-880; NRD-545 with ALA-330S inside E-W or inside random wire N-S; Nissan stock caradio as specified; or IC-R75 with E-W longwire.

CANADA. 650, Oct 28 at 1204, outro news from Canadian Press, "650 CKOM Update", 1205 weather from minus 5 to plus 19; plug **CKOM.com**, back to "Saskatchewan's biggest conversation" seems a playback. WSM easily nulled, XETNT not fading up until later, and KGAB no obstacle. 10/10 kW U4 from Saskatoon. Night pattern is supposed to be all-north; day with a minor lobe south. Last logged here Sept 7 2017 at 0549. At first I thought they were saying CKON, but that might be in Ontario. Branded as "650 CKOM" several times but did not hear "NewsTalk 650" as in NRC AM Log, although that is certainly their format and might still be uttered.

CANADA. 860, Nov 1 at 1247, as I am trying to separate KKOW from XEMO, but can't since they are almost collinear with Enid, instead with both of them nulled I hear French in the clear, mentioning Canada, which is CBFK-2, Saskatoon, Sask, 10/10 kW U4. NRC Pattern Book of 2013 shows major lobe north day and night, but almost as major to S at night, SSE at day, no doubt to cover Regina.

OKLAHOMA. Periodic update on Enid stations as of November 1:

530, 'K530AM' Vance AFB TIS remains off the air for months now, although sometimes I think I have a very weak carrier.

1390, KCRC, 1/1 kW, continues to put big spurs causing hets circa 30 and 60 kHz above and below: 1330, 1360, 1420, 1450. The two closer ones have plenty of modulation, all messing up KS and OK legit stations.

USA. 840, Nov 1 at 1245, "102.9, más música y variedad – en español, el motivador". Must be US station, as a Mexican would never need to say it's in Spanish! Loops E/W. NRC AM Log shows it's KJFA Belén, Nuevo México, 1800/30 watts U1, slogan as Éxitos 102.9. Yes, of course, it's way pre-sunrise there, so on day power? Official sunrise is not until an hour later, 1345! (December: 1400). First time I've heard it here; KJFA-840 is successor to KARS-860 Belén. Now for Albuquerque market, address for the cluster at 4125 Carlisle NE, which I think used to host KHFM IA.

I thought 102.9 would be a translator, even on Sandia Crest, but no, KJFA-FM is 3.7 kW ERP horizontal only, licensed to Pecos NM, on the other side of SC, so how does that get into ABQ? FCC coverage map shows it does not, and barely into Santa Fe and Las Vegas.

USA. 870, Nov 1 at 1225, weather in the 20s and 30s, snow, mention northern Wisconsin, so this sure isn't WWL. First on R75, then switch to DX-398 to get a bearing. Yes, with WWL nulled. 1228 more such weather, highs in 40s. 1231 TC for 7:31 =CDT, now 25 degrees, mention Minnesota. This is certainly KPRM Park Rapids MN, 50/2.5 kW U2. Suspect on 50 kW ND day pattern as night nulls south. But official FCC November sunrise is not until 1315 UT! Even in October it was 1230, so I should not have been hearing it already at 1225. December will be 1400 which they will probably also precede.

UnID. Trans-Atlantic JBA MW carrier search, Oct 27 from 0455 on the R75: 531, 558(2), 576, 585, 612, 621, 639, 666, 693, 729, 738, 756, 774, 837, 855, 882, 909(2), 936, 954, 999(2), 1053, 1062, 1089 (2), 1098(-), 1107, 1215*, 1305(2), 1314, 1413, 1422, 1566, 1584(2). (2) = at least two carriers beating; *stronger; (-) perceptibly off to the low side.

UnID. Trans-Atlantic JBA MW carrier search, Oct 28 at 0148-0155, on the DX-398 aimed NE: 531, 549, 558, 576, 585, 621, 639, 693 (2), 711, 729, 738, 774, 855, 873, 882, 909, 936, 954, #963, 999, 1017, #1026, 1044, 1053, 1089, #1125, 1134(2), 1152, 1179, 1215, 1458, 1575. #are ones not heard on the sweep up but detected on a second sweep down; everything is fading up and down a bit, and heavy QRM level varies. (2) = at least two carriers beating. In USB tuning, the ones ending in -9 are interesting, as I am getting a big het from the -0 domestics, but also little lower pitch offset het from the TAs; even against 1000 KTOK OKC.

UnID. Trans-Pacific JBA MW carrier search, Nov 1 at 1215-1221: 531, 558, 567, 585, 594, 702, 711, 738, 747, 756, 774, 828, 837, 855, 864, 873, 945, *972, 1008, 1017, 1044, 1098(2), 1143, 1566. *=strongest, no doubt Korea South; (2) = at least two carriers beating, Marshalls and what?

UnID. Trans-Pacific just-barely-audible mediumwave carrier search, Nov 2 at 1246-1304, many from DU (WSW) and/or FE (NW). If there is no direction appended, probably both or just too weak to tell on the DX-398: 558, 567-NW, 576-WSW, 585-NW, 594(2), 603-NW, 612(2), 657-NW, 675-NW, 693-NW, 702-WSW(2), 711-NW, 738(2), *747-NW, 756(2), 774(2), 819-NW, 828-NW, 864-NW, 873-NW(2), 945-NNW, *972-NW, 981, 1008, 1035-NW+(2), 1044-NW, 1053-NW, 1062-NW(2), 1071, 1098(2), 1134- NW, 1143-NW, 1332-NW, *1566-NW.

Notes: * means stronger ones; (2) means at least two carriers beating.

Above 890 kHz, local noise level degrades until it stops at 1305; a neighbor's touch lamp? The 1300T mark comes by 1143 kHz. I switch back to 972 just before 1300, but cannot hear any time pips, though on original scan at 1255 it was strong enough to push some audio, presumed South Korean.

A medium SAH on 702, not from the NW, points to the offset between 2BL Sydney and Magic, Auckland NZ, as Mauno Ritola and Neil Kazaross recently discussed, ie 6 Hz apart: "701.993 ABC Sydney, 701.999 Magic, Auckland" However, MWoffsets shows 701.9960 for 2BL as of last week, and 701.9991 for Magic as of 2017-02-26, ie only 3 Hz apart. There are also some weaker Au/NZ stations on "702".

945 bearing NNW is a puzzle. Frequency is very close, so unlikely a spur or birdie. That would put it at the longitude of western China, but the big'un with 400 kW is in the east, Jilin province.

Until the next, best of DX and 73 de Glenn



SPORTCHANNELS IRCA – Compiled by: Eric Bueneman (NØUIH)
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Welcome to another edition of SportChannels! Hockey season is under way, and we're now taking a look at NHL network lists. This issue, we're featuring network lists are from the Central Division of the Western Conference. This is the one my hometown team, the St Louis Blues, as well as one of the "Original Six", the Chicago Blackhawks, play in. Flagship stations are in **boldface** type.

CHICAGO BLACKHAWKS John Wiedeman, Troy Murray, Chris Boden, Web: nhl.com/blackhawks/

720 WGN Chicago, IL only

COLORADO AVALANCHE Conor McGahey, Web: nhl.com/avalanche/

950 KKSE Parker, CO only

DALLAS STARS Josh Bogorad, Daryl "Razor" Reaugh, Bruce LeVine, Owen Newkirk, Web: nhl.com/stars/

1310 KTCK Dallas, TX

96.7 KTCK-FM Flower Mound, TX (simulcast)

MINNESOTA WILD Bob Kurtz, Tom Reid, Kevin Falness, Web: nhl.com/wild/

AM	1240 WMFG Hibbing, MN	1450 WELY Ely, MN	95.1 K236CO Northfield, MN (2)
710 WDSM Superior, WI	1250 KCUE Red Wing, MN	1460 KDWA Hastings, MN	95.7 KMKO Lake Crystal, MN
730 KWOA Worthington, MN	1260 KDUZ Hutchinson, MN	1460 KKAQ Thief River Falls, MN	97.7 W249DK Hastings, MN (3)
740 KVOX Fargo, ND	1260 KROX Crookston, MN	1480 KAUS Austin, MN	98.9 K263AL Madison, MN (4)
790 KFGO Fargo, ND	1340 KDLM Detroit Lakes, MN	1480 KKCQ Fosston, MN	100.3 KFAN-FM Minneapolis, MN
860 KNUJ New Ulm, MN	1340 KRBT Eveleth, MN	1570 KAKK Walker, MN	101.7 KRCH Rochester, MN
930 KKIN Aitkin, MN	1370 KSUM Fairmont, MN	1570 KVTM Vermillion, SD	102.9 K275BB Roseau, MN (5)
1070 KSKK Verndale, MN	1390 KXSS Waite Park, MN	FM	103.5 KUAL Brainerd, MN
1080 KYMN Northfield, MN	1400 WBIZ Eau Claire, WI	93.1 K226CA Detroit Lakes, MN (1)	104.5 KBUN-FM Blackduck, MN
1170 KOWZ Waseca, MN	1410 KRWB Roseau, MN	93.5 KSCR Benson, MN	107.1 KMGK Glenwood, MN
1230 KGHS International Falls, MN	1440 KKXL Grand Forks, ND	93.9 KDMA-FM Granite Falls, MN*	107.5 KNSG Marshall, MN**
1230 KWNO Winona, MN	1450 KATE Albert Lea, MN	94.3 KULO Alexandria, MN	
1230 KWSN Sioux Falls, SD	1450 KBUN Bemidji, MN		

Relays: 1) KDLM 1340, 2) KYMN 1080, 3) KDWA 1460, 4) KCUE 1250, 5) KRWB 1410, **Notes:** * denotes Wild list has old call KKRC, ** denotes Wild list has old call KARZ

NASHVILLE PREDATORS Pete Weber, Hal Gill, Brent Peterson, Web: nhl.com/predators/

94.9 W235BW Nashville, TN

102.5 WPRT Pegram, TN

102.9 WBUZ-HD3 La Vergne, TN

SAINT LOUIS BLUES Chris Kerber, Joey Vitale, Web: nhl.com/blues/

AM	1230 WHCO Sparta, IL	FM	104.3 KDBB Bonne Terre, MO
1030 KCWJ Blue Springs, MO	1280 KYRO Troy, MO	92.7 KASR Villonia, AR	107.3 KLPW-FM Steelville, MO
1120 KMOX Saint Louis, MO	1340 KSMT Salem, MO	96.7 WCXO Carlyle, IL	107.5 KWBZ Monroe City, MO
1150 WGGH Marion, IL	1420 WINI Murphysboro, IL	102.1 KTUI-FM Sullivan, MO	
1220 KGIR Cape Girardeau, MO		102.5 KEZK-HD3 Saint Louis, MO	

WINNIPEG JETS Dennis Beyak, Paul Edmonds, Brian Munz, Web: nhl.com/jets/

1290 CFRW Winnipeg, MB only

With that, we wrap up another edition of SportChannels. In the next edition, we'll feature the station lists from the Atlantic Division of the Eastern Conference. 73 and play hard from the Florissant Valley Dial Twister.



2018 IRCA COUNTRIES LIST – Bruce Portzer – 6546 19th Ave NE – Seattle WA 98115
E-mail: portzerbt@gmail.com

Compiled by Bruce Portzer, Countries List Chairman

Here is the latest version of the IRCA Countries List. This list was originally developed in the 1960's as a guide for club members in their quest for foreign medium wave targets. It has since been updated periodically. The list is organized into three sections: active, inactive, and deleted countries. For each country, I've listed its continent in brackets, and noted any former or alternate names. Any date restrictions are also noted (such as when the country was formed or ceased to exist). There are also a few instances where I've added comments clarifying a country's status.

A place qualifies for inclusion on the list if it meets one or more of the following criteria:

1. It is internationally recognized as independent, either because it is a member of the United Nations or International Telecommunications Union (ITU), or has diplomatic relations with multiple countries.
2. It has a high degree of internal autonomy. This characteristic can be for historical reasons, such as the various parts of the UK, or established through formal agreement, such as Hong Kong or Macao. A portion of a country may also qualify based on de facto autonomy, even if the parent country does not recognize it as such. Taiwan, for example. This qualification is largely a judgment call based on the amount of self-rule and political stability.
3. It is separated from the rest of the country by at least 200 km of open water (no other islands between it and the mainland), such as Hawaii, or 100 km of land, such as Alaska.
4. It is a colony, dependency, protectorate, or other overseas territory, such as Guam or Gibraltar. These places will only be listed if they currently have a MW radio station, have had one or more stations in the past, or have sufficient residents (permanent or temporary) to justify broadcast facilities. As a result, this list doesn't include most of the small islands and other uninhabited territories that appear on the ARRL list.
5. It is under international or other special administrative control, such as Antarctica.
6. It has historically been considered a separate DX "country", even though it doesn't seem to meet any of the above criteria ("We do it that way because that's the way it's always been done").

Country list junkies are welcome to examine the following four lists. Each has its own set of criteria, resulting in some interesting differences and similarities.

- The **ARRL Country List**: This list is used mainly for issuing DX Century Club awards. The criteria are well-thought out, but hotly debated in the ham community. It includes a large number of obscure uninhabited specks of land that are otherwise unnoticed.
- The **NASWA Radio Country List**: This is a list of countries with active shortwave broadcasters, past and present.
- The **Travelers' Century Club List**: This organization gives certificates to those who have visited at least 100 countries. The most recent list has 350 places listed.
- **How many countries are there?** This list analyzes several sources, including the ARRL/DXCC and TCC lists, and concludes that there could be anywhere from 191 to 493 countries, depending on what you count.

Any comments or questions on the list should be addressed to portzerbt@gmail.com

ACTIVE COUNTRIES

The following countries currently have or are believed to have active medium or long wave broadcast stations.

Afghanistan [AS]
Alaska [NA]
Algeria [AF]
Andaman and Nicobar Islands (part of India) [AS]
Angola [AF]
Anguilla [NA]
Antigua and Barbuda [NA]
Argentina [SA]
Armenia [AS]
Australia [OC]
Azerbaijan [AS]
Azores [EU]
Bahamas [NA]
Bahrain [AS]
Balearic Islands (part of Spain) [EU] – includes Majorca
Bangladesh (formerly East Pakistan) [AS]
Barbados [NA]
Belgium [EU] – expected to leave MW in late 2018
Benin (formerly Dahomey) [AF] – after 8-1-60
Bermuda [NA]
Bolivia [SA]
Bonaire [SA] – became a separate "country" 10-10-10.
Bosnia-Herzegovina [EU] – receptions before 10-15-91 count as Yugoslavia
Botswana (formerly Bechuanaland) [AF]
Brazil [SA]
British Virgin Islands [NA]
Bulgaria [EU]
Cambodia (formerly Kampuchea) [AS] – MW reactivated early 2016
Canada [NA]
Canary Islands [AF]
Ceuta (part of Spain, located in Morocco) [AF] – See Morocco listing in WRTH
Chad [AF] – transmitter on 840 kHz reactivated October 2018
Curacao [SA] – after 10-1010. Earlier logs count as Netherlands Antilles
Cyprus [AS]
Czech Republic [EU] – after 1-1-93, earlier loggings count as Czechoslovakia
Denmark [EU] – still active on LW. Some low-power MW stations are now in operation.
Djibouti (formerly French Somaliland, Afar and Issas) [AF]
Dodecanese Islands (part of Greece, includes Rhodes) [EU]
Dominican Republic [NA]
Ecuador [SA]
Egypt [AF]
El Salvador [NA]
England [EU]
Eritrea [AF] – became part of Ethiopia 11-14-62, then gained independence 9-15-93
Estonia [EU]
Ethiopia [AF]
Falkland Islands (aka Islas Malvinas) [SA] – MW ceased circa 2013 but later returned
Faroe Islands [EU]
Fiji [OC]
Finland [EU] – a low-power MW station started operation in 2016
France [EU]
Gabon [AF] – after 8-17-60
Georgia [AS]
Germany [EU] – Formerly German Federal Republic (West Germany). GDR and West Berlin were added in 1990.
Gibraltar [EU]
Greece [EU]
Greenland (aka Kalaallit Nunaata) [NA] – MW reactivated Fall 2014
Guam [OC]
Guantanamo Bay Naval Base [NA]
Guatemala [NA]
Guernsey (British Crown Dependency) [EU]
Guyana (formerly British Guiana) [SA]
Haiti [NA]
Hawaii [OC]
Honduras [NA]
Hong Kong [AS] – Special Administrative Region of China with a high degree of autonomy
Hungary [EU]
Iceland [EU] – resumed on MW in 2016, has been active on LW for a long time
India [AS]
Indonesia [AS]
Iran [AS]
Iraq [AS]
Ireland [EU]
Isle of Man (self-governing British Crown Dependency) [EU]
Israel [AS]
Italy [EU]
Japan [AS]
Jersey (British Crown Dependency) [EU]
Jordan [AS]
Kazakhstan [AS]
Kenya [AF]
Kiribati (formerly Gilbert Islands) [OC] – Includes Tarawa
Kiribati, Eastern (aka Line Islands) [OC] – far enough from Tarawa to count as a separate country, Kiritimati-846 became sporadically active in early 2018
Korea, North (Democratic People's Republic of Korea, DPRK) [AS] – loggings from before the Korean War in the early 1950s count as South Korea.
Korea, South (Republic of Korea) [AS]
Kosovo [EU] – Former Serbian province, under UN-supervised administration 1999-2008. Independent country since 17 Feb 2008. Reported active on MW in mid-2017
Kuwait [AS]
Kyrgyzstan (formerly Kirghiz SSR, Kirgizia) [AS]
Lakshadweep (aka Laccadive Islands) (part of India) [AS]
Laos [AS]
Latvia [EU]
Lebanon [AS]
Lesotho (formerly Basutoland) [AF]
Libya [AF]
Lithuania [EU]
Macedonia [EU] – after 9-8-91, earlier loggings count as Yugoslavia
Madagascar (aka Malagasy Republic) [AF] – may be inactive on MW
Madeira [AF] – possibly inactive
Malawi (formerly Nyassaland) [AF]
Malaysia, East [AS] – after 9-16-63, consists of Sabah and Sarawak
Malaysia, West [AS] – after 9-16-63, consists of peninsular Malaysia
Maldives [AS]
Malta [EU]
Mauritania [AF] – after 6-20-60
Marshall Islands [OC]
Mayotte (aka Mahore) [AF]
Melilla (part of Spain, located in Morocco) [AF] – See Morocco listing in WRTH
México [NA]
Micronesia, Federated States of (formerly Eastern Caroline Islands) [OC]
Moldova (formerly Moldavia) [EU]
Mongolia [AS]
Morocco [AF]
Mozambique [AF]
Myanmar (formerly Burma) [AS]
Nepal [AS]
Netherlands [EU]
New Zealand [OC]
Nicaragua [NA]
Nigeria [AF]
Norfolk Island [OC]
Northern Ireland (part of UK) [EU]
Northern Mariana Islands [OC]
Norway [EU] – Still active on LW, but no more MW except for short-term operations
Oman [AS] – includes Masirah Island and Musandam Peninsula
Pakistan (formerly West Pakistan) [AS]
Panamá [NA]
Papua New Guinea [OC]
Paraguay [SA]
Péru [SA]
Philippines [AS]
Poland [EU]
Portugal [EU]
Pridnestrovie (aka Transnistria, Trans-Dniester) [EU] – A self-governing independent region of Moldova. Considers itself an independent country though not recognized as such by the Moldovan government or most international organizations.
Puerto Rico [NA]
Qatar [AS]
Rodrigues Island [AF] – Part of Mauritius, separated by 500+ km of ocean
Romania [EU]
Russia, Asiatic [AS]
Russia, European [EU] – the Ural Mountains are the dividing line between Asia and Europe
Samoa (Formerly Western Samoa) [OC]
San Andres and Providencia (part of Colombia) [NA]
Sao Tome and Principe [AF]
Sardinia (part of Italy) [EU]
Saudi Arabia [AS]
Scotland [EU]
Serbia [EU] – Montenegro declared independence from Serbia/Yugoslavia 6-3-06. Earlier loggings of Serb stations count as Yugoslavia. At least one MW station still active.
Seychelles [AF]
Slovakia (aka Slovak Republic) [EU] – after 1-1-93, earlier loggings count as Czechoslovakia
Slovenia [EU] – after 6-26-91, earlier loggings count as Yugoslavia
Solomon Islands [OC]
South Africa [AF] – Includes the homeland republics
South Sudan [AF] – split off from Sudan and became independent as of 7-9-11
Spain [EU]

Sri Lanka (formerly Ceylon) [AS]
Sudan [AF]
Svalbard (Spitzbergen) [EU]
Syria [AS]
Taiwan (Republic of China) [AS] – includes Quemoy and Matsu
Tajikistan [AS]
Tanzania (formerly Tanganyika) [AF]
Thailand [AS]
Tonga [OC]
Trinidad and Tobago [SA]
Tunisia [AF]
Turkey [AS]
Turkmenistan (formerly Turkmen SSR) [AS]

INACTIVE COUNTRIES

The following countries currently do not have regular medium wave stations, based on information in the World Radio-TV Handbook (WRTH), Pacific Asian Log (PAL), or other DX references. Some have had MW stations which are no longer on the air. A few have never, to the best of my knowledge, had a MW station but are listed because they have sufficient permanent or transient population to justify a MW station. The list does not include places with little or no permanent population that have never had a broadcast station.

Abkhazia [AS] – break away region of Georgia, has diplomatic relations with several countries
Aland Islands [EU] – An autonomous region of Finland. A MW station was planned many years ago but never was on the air
Albania [EU] – left MW in 2017
Andorra [EU] – Two high powered MW stations operated here until early 1980s
Antarctica (and nearby island groups) [OC] – SW/FM only, had MW in the 1960s
Aruba [SA] – Now FM only. Receptions before 1-1-86 count as Netherlands Antilles
Ascension Island [AF] – now FM/SW only
Austria [EU] – MW operations ended 2009
Belarus (formerly Byelorussia) [EU] – LW/MW operation ceased 3/31/16
Belize (formerly Br Honduras) [NA] – FM only
Bhutan [AS] – SW/FM only
British Indian Ocean Territory (aka Chagos Islands, includes Diego Garcia) [AS]
Brunei Darussalam [AS] – now FM only, MW went inactive in 2011
Burkina Faso (formerly Upper Volta) [AF] – after 8-5-60 – FM only
Burundi [AF] – FM/SW only
Cameroon [AF] – FM only
Cape Verde [AF] – FM only
Cayman Islands [NA] – FM only
Central African Republic [AF] – after 8-13-60, has plans to reactivate MW/SW
Chatham Islands [OC] – FM only
Cocos-Keeling Islands [OC] – FM only
Comoros [AF] – FM only
Congo, Democratic Republic of the (formerly Zaire, Belgian Congo) [AF] – FM/SW only
Congo, Republic of [AF] – after 8-15-60, now only FM/SW
Cyprus, British Sovereign Bases on [EU] – now FM only, includes Akrotiri and Dhekelia
Cyprus, Turkish Federated State [AS] – a portion of northern Cyprus
Dominica [NA] – Currently FM only
Easter Island (aka Isla de Pascua, Rapa Nui) [OC] – MW operation ended 2006, FM only
Equatorial Guinea (Rio Muni, mainland portion) [AF] – SW/FM only
Equatorial Guinea (Bioko, offshore island) [AF] – FM only
Fernando de Noronha [SA] – Island group in Atlantic, part of Brazil, FM only
French Guiana [SA] – no known MW operations at the moment
French Polynesia (aka Society Islands, includes Tahiti) [OC] – AM operation ceased Dec 2016
Galapagos Islands (part of Ecuador) [SA] – MW/SW ceased some time ago, now FM only
Gambia, The [AF] – FM only
Ghana (formerly Gold Coast) [AF] – FM only
Grenada [NA]
Guadeloupe [NA] – left MW mid-2017
Guinea [AF] – now inactive on MW
Guinea-Bissau (ex-Portuguese Guinea) [AF]
International Waters [OC] – Stations have operated aboard ships near Western Europe (many), Israel (Voice of Peace, 1973-1993), New Zealand (Radio Hauraki, late 1960's) and the Northeastern US (Radio Newyork International, late 1980's). Currently there are no known regular operations from International Waters. However, the US government has the ability to broadcast on MW from aircraft over international waters.
Ivory Coast (Côte d'Ivoire) [AF] – after 8-7-60 – FM only
Jamaica [NA] – FM only
Johnston Island [OC] – inactive after 1977
Kaliningrad (noncontiguous part of Russia) [EU] – shut down a few years ago
Lampedusa [EU] – Italian island near Tunisia. No known MW stations, possibly some FM
Liberia [AF] – SW/FM only
Lord Howe Island [OC] – now FM only
Liechtenstein [EU] – FM only
Luxembourg [EU] – MW broadcasts ended in late 2015
Macao [AS] – now FM only, MW went silent circa 2014

Tuvalu (formerly Ellice Islands) [OC] – after 1-1-76
Uganda [AF]
Ukraine [EU] – The Crimean Peninsula is still considered part of Ukraine
United Arab Emirates [AS] – Includes Abu Dhabi, Dubai, Sharjah, et al
United States of America [NA]
Uruguay [SA]
Vanuatu (formerly New Hebrides) [OC]
Venezuela [SA]
Vietnam [AS] – includes pre-unification receptions of North Vietnam
Virgin Islands (US) [NA]
Wales [EU]
Yemen [AS] – after 6-22-90, formed when Yemen Arab Republic merged with People's Democratic Republic of Yemen

Mali [AF] – after 6-20-60 – FM/SW only
Martinique [NA] – FM only
Midway Island [OC] – FM only, MW has been inactive for many years
Monaco [EU] – MW transmitters were actually in France
Montenegro [EU] – after 6-3-06. Earlier loggings count as Yugoslavia. FM only.
Montserrat [NA] – FM Only. All MW transmitters were destroyed by volcanic activity in the 1990s.
Namibia (formerly SW Africa) [AF] – FM only
Nauru [OC] – FM only
New Caledonia [OC] – AM operation ceased mid-2017
Niger [AF] – after 8-3-60
Niue [OC] – FM only
Ogasawara (aka Bonin and Volcano Is, includes Iwo Jima) [AS] – no known MW outlets but had them in the distant past
Palau (aka Belau, formerly Western Caroline Islands) [OC] – AM ceased operation in 2013
Palestine [AS] – after 2/1/99. Includes West Bank and Gaza. Earlier logs count as Israel. FM only.
Phoenix Islands (part of Kiribati) [OC] – WXLE operated on Canton Island in 1970s
Pitcairn Island – has FM transmitters and had AM at one time, believe it or not
Réunion [AF] – AM operation ceased in early-mid 2017
Rwanda [AF] – SW/FM only
Saba and Saint Eustasius [NA] – separate country after 10-10-10, FM only
Saint Barthelémy [NA] – French island near Guadeloupe, FM only
Saint Martin (French, next to Sint Maarten) [NA] – FM only
Saharan Arab Republic (aka Western Sahara) (formerly Spanish Sahara, Rio de Oro) [AF] – all known MW transmitters are located in Algeria
Sierra Leone [AF] – FM only
St Helena [AF] – AM was shut down 12/2012, now FM only
St Kitts and Nevis [NA] – FM only
St Lucia [NA] – no more MW stations
Saint Maarten [NA] – after 10-10-10
St Pierre and Miquelon [NA] – now FM only, MW was eliminated several years ago
St Vincent and the Grenadines [NA] – MW station currently inactive but may return some day
Samoa, American [OC] – no more MW Stations
San Marino [EU] – FM only
Senegal [AF] – after 6-20-60, now FM only
Singapore [AS] – eliminated all MW services in mid-1990's
Somalia [AF] – SW/FM only
South Ossetia [AS] – breakaway region of Georgia, has diplomatic relations with several countries. No known MW outlets.
Suriname (formerly Dutch Guiana) [SA] – all MW stations believed to be inactive
Swaziland [AF] – Currently FM/SW only
Sweden [EU] – FM only, occasionally has short-term low-power MW operations
Switzerland [EU] – FM only
Timor Leste (aka East Timor) [AS] – Originally called Portuguese Timor, annexed by Indonesia 12-31-61. Became independent 3-1-00. No MW stations since 2014.
Togo [AF] – FM only
Tokelau [OC] – FM only
Tristan da Cunha [AF] – FM only
Turks and Caicos Islands [NA] – RVC might return someday
United Nations HQ [NA] – universally recognized as "neutral" territory, but has no MW activity
Uzbekistan (formerly Uzbek SSR) [AS] – no known active MW outlets
Vatican City [EU] – Ceased MW operation Nov 2016.
Wake Island [OC] – AFRTS station closed down many years ago
Wallis and Futuna [OC] – FM only, MW operation ended circa 2000
Zambia (formerly Northern Rhodesia) [AF] – FM/SW only
Zimbabwe (formerly Rhodesia) [AF] – FM/SW only

DELETED COUNTRIES

The following countries no longer exist, but had or may have had medium wave stations. Some are places that merged with a neighboring country. Others were split into two or more separate countries. The listed dates are when the country ceased to be a separate DX country. Some countries existed between two dates.

- Biafra [AF] – 5-30-67 to 1-15-70, otherwise part of Nigeria
- British North Borneo [OC] – 9-15-63 (now part of Malaysia)
- Canal Zone [NA] – 9-30-79 (now part of Panama) – had AFRTS stations
- Czechoslovakia [EU] – 12-31-92 (now Czech and Slovak Republics)
- Danzig [EU] – 9-1-39
- French Equatorial Africa [AF] – 8-16-60 (now Chad, Central African Republic, Gabon, Congo)
- French Indo-China [AS] – 12-20-50 (now Laos, Vietnam, Cambodia)
- French West Africa [AF] – 8-6-60 (now Niger, Ivory Coast, Burkina Faso, Benin, Mauritania, Mali, Senegal, Guinea)
- German Democratic Republic [EU] – 10-3-90 (now part of Germany)
- Goa (Portuguese India) [AS] – 12-19-61 (now part of India)
- Guangdong Peninsula [AS] – 8-14-45 (now part of China)
- Jammu and Kashmir [AS] – 2-24-75 (Northernmost state of India, subject to a border dispute with Pakistan)
- Karelo-Finnish SSR [EU] – 7-15-56 (now part of Russia)
- Leeward Islands [NA] – 2-27-67 (now various island nations)
- Malaya [AS] – 9-15-63 (now part of Malaysia)
- Manchuria (Manchuguo) [AS] – 9-16-63 (now part of China)
- Newfoundland and Labrador [NA] – 3-31-49 (now part of Canada)
- Netherlands Antilles [SA] – Bonaire and Curacao split into separate "countries" 10-10-10
- Okinawa (Ryukyu Islands) [AS] – 5-14-72 (now part of Japan)
- Peoples Dem Rep of Yemen (Aden) [AS] – 5-21-90 (now part of Yemen)
- Ruanda-Urundi [AF] – 7-60 to 6-30-62
- Saar [EU] – 1-3-48 to 12-31-56 (now part of Germany)
- Sarawak [OC] – 9-15-63 (now part of East Malaysia)
- Sikkim [AS] – became part of India 5-16-75
- South Vietnam (Republic of Vietnam) [AS] – 7-1-76 (now part of Vietnam)
- Swan Island [NA] – 8-31-72 (now part of Honduras, home of Radio Americas in mid-1960s)
- Tangier [AF] – 6-30-60 (now part of Morocco)
- Tibet [AS] – 5-30-74 (now part of China)
- Trieste [EU] – 2-10-47 to 5-19-54 (now part of Slovenia and Italy)
- Walvis Bay [AF] – 9-1-94 (former part of South Africa, now part of Namibia)
- West Berlin [EU] – 10-3-90 (now part of Germany)
- Windward Islands [NA] – 6-1-67 (now various island nations)
- Yemen Arab Republic [AS] – 5-21-90 (now part of Yemen)
- Yugoslavia [EU] – Former Yugoslav republics became independent 1991-2006 (see individual country listings for dates).
- Zanzibar [AF] – 6-30-64 (now part of Tanzania)



GEOMAGNETIC INDICES – Compiled by: Phil Bytheway
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Geomagnetic Summary October 1 2018 through October 31 2018
Tabulated from WWV on-line status daily (K @ 0000 UTC).

Date	Flux	A	K	Space Wx										
10/ 1	70	9	2	no storms	10/12	72	5	1	no storms	10/23	72	4	0	no storms
2	67	8	0	no storms	13	72	14	4	minor, G1	24	70	3	1	no storms
3	68	6	3	no storms	14	72	6	2	no storms	25	69	6	2	no storms
4	67	4	1	no storms	15	70	10	3	no storms	26	69	6	2	no storms
5	69	9	2	no storms	16	70	5	1	no storms	27	69	4	0	no storms
6	69	6	0	no storms	17	70	3	1	no storms	28	68	4	0	no storms
7	68	24	5	minor, G1	18	70	2	0	no storms	29	69	3	0	no storms
8	69	21	2	minor, G1	19	70	2	1	no storms	30	67	4	1	no storms
9	70	17	3	no storms	20	70	2	0	no storms	10/31	68	4	2	no storms
10	70	18	3	minor, G1	21	71	4	1	no storms					
10/11	71	9	1	no storms	10/22	71	6	1	no storms					

Gx – Geomagnetic Storm Level

Rx – Radio Blackouts Level

Sx – Solar Radiation Storm Level

IRCA 2018 Convention – addition

IRCA Convention Technical Talks audio and slide shows (back to the 2014 convention). <http://www.durenberger.com/DXPAGE.htm>. Cheers! Mark Durenberger (thank you Mark – pb)



Those attending the 2018 IRCA Convention in Saint Charles, Missouri held September 7-8-9. Left to right, back row... unlisted, Nigel Pimblett, Todd Skaine, Frank Merrill, Ernest Wesolowski, Gus Mancuso, Nick Hall-Patch, Eric Bueneman. Front row... Bruce Portzer, Stan Weisbeck, Kenneth Hawkins, Mike Lantz, David Gordon, John Tudenham (photo and caption courtesy David Gordon, thank you David – pb)

Additional Dave Gordon photos posted on IRCA's Facebook page: <https://www.facebook.com/media/set/?set=a.2112998342084663&type=1&l=14b0dfcdc0>

Full Color IRCA Letterhead

Full color 8.5 x 11 MS Word 2007 file with the current IRCA logo. Send email to phil_tekno@yahoo.com to get yours today! Great for verification requests.

IRCA Slogans List (October 2018)

This completely revised Slogans List includes radio slogans from the US and Canada (over 4500). The 2018 IRCA Slogans List is posted on the IRCA website for all to download. The link is: http://www.ircaonline.org/editor_upload/File/IRCA%20Slogans-Introduction.pdf

For those preferring a hard copy, one can be ordered from the IRCA.

Prices: **IRCA/NRC members** – \$7.25 (US), \$8.50 (Canada) \$10.00 (México), \$10.75 (rest of the world). **Non-IRCA members** – add \$1.00.

IRCA TIS/HAR LIST (Summer 2018)

The **IRCA TIS/HAR LIST** lists all US and Canadian TIS/HAR stations, by frequency, including call letters, state (province), city, county, licensee, address, coordinates, expiration date and dates of DXM/DXN reports/sources. It has been updated with FCC data, DXM, DXN and DXer reports, and on-line listings through June 6 2018.

The 2018 IRCA TIS/HAR LIST is posted on the IRCA website for all to download. The link is: http://www.ircaonline.org/editor_upload/File/TIS_2018.pdf

For those preferring a hard copy, one can be ordered from the IRCA.

Prices: **IRCA/NRC members** – \$9.50 (US), \$11.00 (Canada) \$12.50 (México), \$14.00 (rest of the world). **Non-IRCA/NRC members** – add \$2.00.

A DXers Technical Guide, 4th Edition (Spring 2004)

In this nearly 200 pages you will learn about the principles underlying the design of successful receivers, antennas and receiving accessories, find reviews of the best commercially available DXing equipment in different price ranges, as well as detailed instructions for building one's own antennas and other DXing aids. Although it focuses on the technical backdrop to medium wave DXing, it will also be of interest to serious shortwave listeners and low band radio amateurs.

Prices: **IRCA/NRC members** – \$15.00 (US), \$16.50 (Canada) \$18.00 (México), \$20.00 (rest of the world). **Non-IRCA/NRC members** – add \$2.00.

Sunrise/Sunset Maps

12 maps showing 15 minute sunset and sunrise times for the US and 12 maps showing hourly sunset and sunrise times for the World. Explanation includes use of the maps and examples of DX made possible by knowledge of SR/SS times.

Prices: **IRCA/NRC members** – \$2.25 (US), \$3.00 (Canada) \$3.50 (México), \$4.50 (rest of the world). **Non-IRCA members** – add \$1.00.

IRCA Foreign Log

The IRCA has published nine volumes of the **IRCA Foreign Log** which are still available. Each volume contains the several hundred actual tips that were reported to the DXWW sections during an entire year, compiled and retyped in a book format. In addition, special features include articles on foreign DXing (volumes 6, 7 and 8), utility lists (volumes 7 and 8), shortwave parallels (volume 8) and BCB propagation (volumes 6, 7 and 8). The **IRCA** still has volumes 3, 4, 6, 7 and 8 of the **IRCA Foreign Log** available for \$2.50 each (overseas add \$3.00/book).

An Introduction to Broadcast Band DXing

This tri-folded brochure is ideal for explaining the Broadcast Band DXing hobby and the IRCA. It can be included with reception reports and given to other interested folks. Sub topics include: What is DXing?, Broadcasting's early years, The first DXers, Clubs helped listeners share. Our hobby today and DX clubs still unite listeners. It is two color printed on heavy stock. Price is \$0.35/brochure (US and Canada), \$1.00 (rest of the world). Minimum order is 10.

IRCA Reprints

The IRCA maintains a large file of articles that have appeared in past issues of **DX Monitor**. These articles cover a wide variety of topics, including: antenna theory and construction, tips for the foreign BCB DXer, how to improve your DXing skills, history of DXing and broadcasting, lists of stations by subject, construction projects and receiver modification, receiver reviews, medium wave propagation, and more. Copies are available for a nominal charge. Price for the complete list is \$1.00.

Also from the IRCA. "IRCA REPRINTS ON CD"!!! 648 Reprints. The entire set, now on one CD. Categories include: Antennas, Domestic, Foreign, History, DX Lists, Receivers and Receiver Modifications, and Technical. Check out the table of contents at: <http://ircaonline.org/2004ReprintList.htm>.

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"DX Monitor" on DVD

IRCA's regular bulletin "**DX Monitor**" Volumes 1 through **53** in .pdf format on 2 DVDs. Re-live the days gone by and re-introduce yourself to the former members who helped make the IRCA great!! NOTE: You will NEED a DVD reader to open the .pdf files. These files were TOO LARGE to use regular CD's.

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The **IRCA** is a non-profit organization devoted to the hobby of hearing distant stations on the Broadcast Band (510-1720 kHz). **DX Monitor**, the official publication of the IRCA, is published in "soft" form 35 times a year (weekly from October through March, twice monthly from April to October.) **DX Monitor** contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists.



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Worldwide \$0 (subsequent years – ie renewal)

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All dues and address changes go to: **IRCA, PO Box 60241, Lafayette LA 70596**

Pay electronically with PayPal. Go to www.paypal.com, then send your dues to ircamember@ircaonline.org – contact Lynn Hollerman for more information.

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