

## December 14 2019 - Volume 57 Number 15 - Edition 1827 - ISSN 899-9733

IRCA welcomes: Richard Ferranti in San Carlos CA. Seattle deadline for our next issue (V57 N16) is Monday 12/16/19 1600 PLT - pb

#### 2020 Convention

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The 2020 IRCA/Decalcomania Convention will be held at the Four Points by Sheraton, 1221 S Harbor Blvd, Anaheim CA 92805. (North of Disneyland) September 10-12 2020. Phone number for reservations is 714-758-0900 (mention convention). Guest room rate is \$115 per night plus tax and includes all you can eat breakfast. Parking is \$10 per day. Registration fee (not including banquet) is \$25 payable to Mike Sanburn PO Box 1256, Bellflower CA 90707-1256. Activities will include station visits, IRCA business meeting and auction, and nightly fireworks show. Hotel amenities include free Wifi, 24 hour business center and 24 hour pool. Local eateries within walking distance are Starbucks Coffee, Taco Bell, and Shakeys Pizza. Cutoff date for room reservations will be August 20th. More details will appear soon. For information contact mikesanburn@hotmail.com. Website for Anaheim visitor's information: www.visitanaheim.org

World Radio TV Handbook 2020 (Published 5 December 2019 – Order your copy today!)

We are delighted to announce the publication of the 74th edition of WRTH. For full details of WRTH 2020 and to order a copy please visit our webstore at www.wrth.com/ shop where you can also order the B19 WRTH Bargraph Frequency Guide on CD and Download.

WRTH 2020 is also available for pre-order, for readers in the USA, from Amazon.com or Universal Radio in Ohio. I hope you enjoy using this new edition of WRTH and the new CD. Best regards, **Nicholas Hardyman** Publisher

#### WESTERN DX ROUNDUP – Nancy Johnson – 2922 S Olivewood – Mesa AZ 85212-2923 Email: NancyJohnson@prodigy.net WDXR DEADLINES: December 13, December 20, December 27, January 3, January 10, January 17, January 24 and Jan 31. Please use Eastern Local Time. **REPORTERS FOR THIS ISSUE:** (RB) Rick Barton-9444 W. Newport-Sun City AZ 85351 desertmoon\_dxshack@inbox.com Satellit 205, RF-2200 (GH) Glen Hansen-64985 Olson Road-Deer Island OR 97054 gbhansen2@outlook.com JRC NRD 545, R-390A, Hammarlund HQ 180, various longwires, Kiwa loop Glen Kippel-Yucca Valley CA gkippel@hotmail.com Mike Sanburn-P.O. Box 1256-Bellflower, CA 90707-1256 mikesanburn@hotmail.com (GK) (MS) Sangean DT 160 Dan Sys-3073 – 268<sup>th</sup> Street-Aldergrove BC sysdan@gmail.com (DS) Sangean RD-5, CC Radio EP, Terk Advantage loop \*\*\*\*\*\*\* OR, Ashland 11/24 2000 football game, ID break. Barely on top in KIDO null, weak with fades on JRC with Kiwa loop, long time no hear. (GH-OR) 580 KTMT 940 ?KOBY? UT, Cedar City 11/28 0807 u/KFIG with oldie "It's Too Late to Turn Back Now," have logged in the past as KBRE. (MS-CA) 1130 XEHN SON, Nogales 11/30 0802 Mexican national anthem by choir, then Spanish ranchera and rap (!) music, mentions of Nogales and Arizona (GK-CA) NV, N. Las Vegas 12/2 1030 countdown of most memorable sports moments of 2019. Very good, almost a local well after daybreak here. (RB-AZ) CA, El Centro 11/30 0323 coming out of song "Spirit in the Sky" by Norman Greenbaum, slogan "The Imperial Valley's best oldies on the radio," 1140 KSXT 1230 KXO CA, Bocklin 11/29 1915 South Asian programming heard under KMIA with "Radio Punjab" ID. Call change. Previously logged as KEBR. (DS-BC) CA, Rocklin 11/29 1915 South Asian programming heard under KMIA with "Radio Punjab" ID. Call change. Previously logged as KEBR. (DS-BC) 1200 KYAA 1210 KRPU 1220 KDOW CA, Palo Alto 12/5 1020 clear signal with money talk, callsign. (GK-CA) 1230 KSZL CA, Barstow 12/5 1000 in briefly with callsign ID and into news, then fell into the cauldron of voices. (GK-CA) 1240 KSUE CA, Susanville 11/29 1900 man gave ID into news. Very weak and choppy above the pack for a moment on JRC and Kiwa loop. Seldom heard. (GH-OR) 1250 KNEU UT, Roosevelt 12/3 1842-1850 with country music and mention of 93.5 FM. Local KNWH not modulating, so this and the following made it through using ECSS. (GK-CA) CA, Santa Barbara 12/3 1902-1927 banda and norteña music. (GK-CA) KZER CA, Tulare 11/27 0035 Christmas music atop the mix. Many "My 93.5" IDs. Fair but choppy on JRC with Kiwa loop. (GH-OR) MT, Missoula 11/25 0000 ID into news, talk show of some sort. Very weak atop the pack on JRC with Kiwa loop. (GH-OR) 1270 KVMI 1290 KGVO 1300 KCMY NV, Reno 12/4 0922 western music (not country) and "Cowboy Country KCMY" ID. Way over XEP. Very good signal for 120 watts. They are not supposed to be on 5kw day power until 1015 ET. Or maybe they jumped the gun? (GK-CA) CHI, Ciudad Juárez 12/6 0518 S9 signal with banda and mariachi music, "Radio Mexicana" slogan. Must be 40kw. (GK-CA) XFP 1330 KYOZ WA, Spokane 12/3 0945 good signal mixing with KKPZ. Spokane concert calendar with "OZ 95.7" ID heard. Call change. Previously logged as KMBI. (DS-BC) 1400 KART ID, Jerome 12/3 1000 on top of the mess with local Twin Falls and Burley ads. "94.7 Buck FM" jingle and KART legal ID heard into news. (DS-BC) UT, Parowan 12/4 0611-0632 "First Light" program, ments of area code 435, Utah, "St George News Radio KZNU" callsign ID at 0631 //1450. 93.1 **KA77** FM. (GK-CA) 1420 KMOG AZ, Payson 11/29 0901-0916 country music, occasional talk, weather "5 inches of snow." (GK-CA) 1430 KLO UT, Ogden 11/29 1335 "Unforgettable 14-30, KLO" by announcer to Christmas song done by The Beach Boys. Fair but steady, still hanging in there with some long deep fades at 1430 (12:30 afternoon local AZ) and ID at 1445. In the end, the station remained on here all day. Heard barefoot Panasonic RF-2200. I think this a personal record for KLO reception, but a rain system is moving through the desert which often yields enhanced tropo. (RB-AZ) OR, The Dalles 11/27 1630 NOS type oldies. Man gave ID at ToH. Up strong for a few minutes on JRC with Kiwa loop. (GH-OR) AZ, Prescott 11/28 0747 becoming dominant with ID/slogan "Arizona Shine," song "You Believe in Me." (MS-CA) 1440 KODL KNOT 1450 KZNU UT, St George 12/4 9648 "First Light" program //1400, 93.1 FM. Also 12/5 0941 with Glenn Beck program. (GK-CA) CA, Heber 11/29 0000 numerous call letter IDs in Spanish, mentions of Mexicali. Logged per call change, ex-KICO Calexico. (MS-CA) 1490 KGBA

- 1500 KSTP MN, St Paul 11/24 1800 sports talk, football scores, highlights, etc. Up strong at times in and out of the mush on JRC with Kiwa loop. (GH-OR) 1560 KNZR CA, Bakersfield 11/28 2022 special Thanksgiving night oldies program featuring songs by The Tremeloes and The New Vaudeville band. Back to usual programming after 2100. (MS-CA)
- 1600 KYBC AZ, Cottonwood 11/29 0840 coming out of song "Sailing," ID "Any station can call itself timeless. Living up to it is something else, 96.3 KYBC."
- (MS-CA) 1660 KBRE CA, Merced 11/30 0000 many "The Bear" IDs, rock type music. Fair with some scratch on JRC with Kiwa loop. (GH-OR)

UnID 730 UnID 11/28 0725 1 kHz tone noted here through strong XE station. (MS-CA)

Thank you for the WDXR reports this week! - Nancy 12/6 1900



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

**RIDING GAIN** 

[EB-MO] Eric Bueneman, Hazelwood MO NOUIHEric@gmail.com CountyComm GP-5/SSB Gen 3 Ultralight receiver, Grundig AN-200 tunable loop

- [GH-TX] Greg Hall, Dallas TX kg5rj@prodigy.net
- FlexRadio 6600, r8 vertical and 40m dipole.
- Gregory Harris wdx8khy@sbcglobal.net [GH-IL]
- FRG-100, Quantum Loop James Niven, Austin TX jniven@austin.rr.com [JN-TX]
  - ELAD S2, Perseus SDR, Drake R8, DKAZ (East-South), 140' x 23' high.

## DOWN THE DIAL

- LA, Alexandria. 12/3 good over WIBW, ACI from KFNS 590. 0410 with "Radio Maria" ID in promo into instrumental Christian music. [EB-MO] 580 KJMJ TX, El Paso. 11/23 with fair signal on top of the jumble. 1900 with "ESPN El Paso" slogan. Relog. [JN-TX] 600 KROD
- 620 KTAR
- 730 CKDM
- AZ, Phoenix. 11/24 fair signal in jumble of KTNO and XENK. 0800 with "...Gary Watts on Arizona sports on 98-7 FM" Faded. [JN-TX] MB, Dauphin. 12/3 fair to poor signal, mixing with KKDA, XEX. 0337 with "The Parkland's best, Seven-30 CKDM" ID into local spots. [EB-MO] ON, Toronto. 11/27 good signal over KTRH. 1935 with an '80s at 8 show. New one here. [GH-TX] 740 CFZM
- AR, Harrison. 11/30 just audible. 1645 with Christmas music and an ID. [GH-TX] 900 KHOZ
- SC, Spartanburg. 12/3 fair signal, mixing with KKSE, KXJK, WWJ. 0247 noted with "ESPN Upstate" ID in promo, phone app promo and local 950 WORD spots. [EB-MO]
- **MO**, Blue Springs. 11/28 above KTWO and KFAY at 1654. [GH-TX] **TN**, Waverly. 11/17 over XEG at 2026. [GH-TX] 1030 KCWJ
- 1060 WQMV
- TN, Memphis. 11/30 above KNTH and KFTI at 1633. [GH-TX] 1070 WDIA
- 1100 KTEX TX, Alvin. 11/30 even with KFAB that normally dominates 1100. 2100 with Relevant Radio programming. This is supposed to be a daytime only station but found them on this evening. [GH-TX]
- 1290 WHIO OH, Akron. 11/18. 1608 with ID following news and weather. A new one here. [GH-TX]
- WHKY NC, Hickory. 11/20 a surprise logging this early in the afternoon. 1603 with ID and news. A new one here and my first North Carolina station from TX, New Braunfels. 11/19 above others. 1953 with country music. [GH-TX]
- 1420 KGNB
- 1490 WOSH
- WI, Oshkosh. 12/1 poor signal, mixing with other stations. 0506 poked through with "14-90 WOSH" ID. [EB-MO] OK, Frederick. 12/4 fair under XERF. 0759 out of Sheena Easton song with "...15-70 AM KTAT Frederick from across the... (lost under XERF). 1570 KTAT New logging for me. [JN-TX]
- LA, Monroe. 12/1 briefly strong then gone. 2200 with "99.7 My FM" slogan. [GH-IL] 1680 KRJO

## **FLASHBACK**

50 Years Ago – December 13 1969 issue of "DX Monitor" ... Virginia Lyle of Saint Petersburg FL mentioned her Hallicrafters S-107 had an automatic fade out feature at ID times ... Jim Jankowski of Corfu NY mentioned he was 13 and logged 100 stations in 6 months ... Larry B Godwin of Englewood CO was working on the new Frequency Check list. He mentioned there were a lot of changes ... Ernest J Wesolowski of Omaha NE told of his visits to KVOO and KOMA ... Rick Evans of Gary IN logged New Hampshire and Hawaii for two new states heard. // 25 Years Ago – December 10 1994 issue of "DX Monitor" ... SD Warren of New Albany MS logged 60 new stations last season using a Superadio II ... Nick Hall-Patch of Victoria BC compared DX conditions between his location and that of Bruce Portzer, Guy Atkins, and Phil Bytheway ... Gary Jackson of Sacramento CA mentioned KXBX was going to remain on 1270 and not move to 840 ... Rick Evans of Milwaukee WI was still trying to catch up on sleep after returning from his vacation to Israel.

## **OPEN MIKE**

Thanks to Eric, Greg, Gregory, and James for reporting this week. It's not too late to join this year's DX Contest. I've already logged a few new stations just trying to relog something for the contest. Christmas is not too far away. Time to make out that want list for Santa. This column was typed 12-6-19. 73, John

<b>EASTERN DX ROUNDUP</b>	– Eric Bueneman (NØUIH) – 631 Coachway Lane – Hazelwood MO 63042-134 DEADLINES: Friday 2359 ELT	7
 Email: n0uiheric@gmail.com	DEADLINES: Friday 2359 ELT	

## TUNING THE DIALS THIS ISSUE:

Kraig Krist (KG4LAC), Manassas VA (KK-VA)

- Winradio G33DDC software-defined receiver, Wellbrook ALA1530S+ Imperium loop (PS-ON) Paul Snider, London ON, Canada paulisnider@yahoo.ca
- Elad FDM-S2 software-defined receiver, Pixel RF Pro-1B loop, MFJ-1020C as a tuner ACROSS THE DIAL 680 CJOB MB, Winnipeg – 12/3 2230 noted with news, ad for CAA Manitoba mentioning Area Code 204, "680 CJOB" ID, weather forecast, another "CJOB" mention after that, station promo into *The Charles Adler Show*. An occasionally fair to very poor signal was noted, mixing with CFTR. (PS-ON) **MD**, Denton – 12/1 0046 noted on after sunset with various styles of Christian music, "Joy FM" ID at 0052 into another music set. A poor to very 840 WKDI poor signal was noted under WHAS; confirmed via Simple Radio Web stream. First time heard in London. (PS-ON) TN, Gallatin – 12/6 2234 noted on after sunset with Christian music in Spanish, "Radio Vida" ID by a female announcer into another music set. A 1130 WYXE fair signal was noted, mostly over usual stations WBBR and WDFN; confirmed via Tune-In Web stream. First time heard in London. (PS-ON) 1170 WCLN NC, Clinton – 12/3 2315 noted on after sunset with non-stop Christmas music; no ads or ID during the time I was listening until 2350. A fair signal at times, even with WWVA to poor signal under WWVA was noted: confirmed via Web stream at Oldies 1170-dot-com. (PS-ON) PA, Monroeville – 11/29 0659 noted with "I am Archbishop William Lorre, the Archbishop of Baltimore; We Are One Body, WAOB-FM 106.7 Beaver Falls, WAOB 860 AM Millvale, WPGR 1510 AM Monroeville. One Body in Christ, in Truth and in Prayer" legal ID and slogan. The signal 1510 WPGR was noted mixing with WLAC and an unidentified station playing rock and roll music. (KK-VA) (So many possibilities for your rock and roller; most likely being WRNJ Hackettstown NJ and WLGN Logan OH - eb) 1520 WARR NC, Warrenton - 11/29 0645 noted with abrupt sign-on, "It's Your Number One AM Station; WARR 1520 AM Warrenton, North Carolina, Where the Community Comes Together" slogan by a male announcer. The signal was noted mixing with WWKB and unidentified stations with a Talk format and what sounded like Hindu vocal music. (KK-VA) (The Hindu music sounds like WTRI Brunswick MD, which is listed with an Asian format. The talker may be WCHE West Chester PA, unless KOKC Oklahoma City OK forgot to switch to night pattern - eb)

## EDITOR'S NOTES

Thanks to Kraig and Paul for their logs this week. In reference to CJOB 680, it's been a regular this season at my location. In the past, WMFS has been a regular here. I wonder if CJOB tweaked their night pattern. 73 and good DX from NØUIH, the Florissant Valley Dial Twister.

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

## New Deadline - Monday 0000 UTC.

## \*\*\* TRANS-ATLANTIC DX \*\*\*

774 SPAIN RNE1 synchros. DEC 7 0708 - starting TA carrier search here to find this one strong enough for some audio, RNE1 synchros. [GH-OK]

## \*\*\* PAN-AMERICAN DX \*\*\*

- 540 MÉXICO XEWA, San Luis Potosi, SLP. DEC 5 0350 Group of men and a woman talking and singing (sounded like they were at a concert), 0404 heard ..cuarenta" a couple of times (maybe Los Quarenta (40) ID?), into Spanish language music. Poor to very poor, but //to globalmedia.mx stream. [PS-ON] 710 CUBA Radio Rebelde synchros. DEC 1 0859 - noted with instrumental music, commentary with many mentions of Cuba, promo in Spanish. Fair signal
- over WOR. [EB-MO]
- MéXICO XEJCC, Ciudad Juárez, Chih. DEC 6 1351 Spanish timecheck twice as "7-48", presumably automated; ad repeating toll-free phone number 800-110-3130 I don't think a US number could have 1 as the fourth digit; anyhow it's an ad for something costing 629 pesos "sin gastos de envoi". 1354 another timecheck, for 7:50, and temp 8 grados centígrados; then mentions "El Fonógrafo", the network 25 kW XEJCC Juárez sometimes relays (but now during talk, not music), with a couple? frequencies, one of them sounding like 650, which does not compute, must have been 690, XEN. [GH-OK]
   MÉXICO XEHB, Hidalgo del Parral, Chih. DEC 6 1341 Very good signal with Mexican music, much stronger than 720 or 700; 12 minutes after sunrise here as I start, none of the XEs below 700 are audible. "La Mexicana le gana" partial slogan, plugging a program Saturday and Sunday at 22 horas; 1250 Surrare Coste DSA (can usu impring the SCOTUS 6).
- 1350 Suprema Corte PSA (can you imagine the SCOTUS doing that, or needing to?), "La Mexicana" ID again. It's XEHB, 50 kW. [GH-OK] 770 MÉXICO XEACH, Monterrey, NL. DEC 6 1355 Gobierno de México PSA, loops SSW, so XEACH, almost a semihour after sunrise here when the other
- MEACO XEACH, Monteney, NL. DEC 91335 Grupo Fórmula program promo; 1400 ID? mentions "canal" algo. Did not hear it a few minutes earlier and KKOB Albuquerque should have popped on ND day pattern at 1400 (January: 1415). [GH-OK]
   MÉXICO XEQ, México, DF. DEC 2 0936 noted with Ranchera music, "Qué Buena" ID. Fair signal over KPSZ. [EB-MO]
   +DEC 6 0707 Multiple ID/promos for "La Ke Buena en cadena". Yes, that's the way they spell it, although XEQ should be the ideal station to spell it expression of the first signal power which is a result with a case on up more for the major CDMX stations; 50(K) Wilcited, and net netionable off.
- 940 correctly with a QU. Dominant signal now, which is rarely the case any more for the major CDMX stations; 50/50 kW listed, and not noticeably offfrequency now. So slogan implies it's networked elsewhere? [GH-OK] MÉXICO XERF, Ciudad Acuña, Coah. DEC 1 0917 – noted with Norteña music, "La Poderosa" ID and local ads in Spanish. Fair to poor signal, mixing with
- 1570 WBGX and semi-local WBGZ. [EB-MO]
- 1620 CUBA Radio Rebelde synchros. DEC 1 0924 noted with light vocal music and promos in Spanish. Fair to poor signal, mixing with WTAW. [EB-MO] \*\*\* TROPICAL BAND DX \*\*\*

- 2850 DPR KOREA KCBS, Pyongyang. DEC 6 1408 choral music S7-9, KCBS P`yongyang the common DPRK MW station here, only occupant of the 105meter band, better than usual well after sunrise here. [GH-OK]
- 4985 BRAZIL Radio Brasil Central, ZYF690 Goiánia, Goiás. NOV 30 0002 noted with news in Portuguese. Poor signal. [EB-MO]

## CONTRIBUTORS

- ERIC BUENEMAN, NØUIH, Hazelwood MO EB-MO
- CountyComm GP5/SSB Gen 3 Ultralight receiver, Grundig AN-200 tunable loop
- **GLENN HAUSER.** Enid OK GH-OK 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.
- PS-ON PAUL SNIDER, London ON
- EladFDM-S2, Pixel Pro 1B loop, MFJ-1020C as tuner

73 and Good DX, Brandon

## Pacific Asian Log update

The latest edition of the Pacific Asian Log is now available. It can be downloaded from the Radioheritage website: http://www.radioheritage.net/. The link for the PDF version is at the top center of the site's main page. You can also use an interactive version of the PAL by going through a couple of the site's internal links. Members of the IRCA mailing list in groups.io can also download the PAL from the files page at https://groups.io/g/IRCA/files This edition has a significant change in how the information is organized and presented. There are separate tables for each country and frequency, as well as

more background information within the Countries section. There are also many changes and updates to the station listings. Some are from monitoring, and others are from the usual sources such as DX clubs, Email groups, and websites information.

The next update will probably be published in a couple of months.

Corrections and updates from users are always welcome and can be sent to bportzer@comcast.net or portzerbt@gmail.com. Comments on suggestions are also appreciated, especially if they deal with the log's content and how it is presented.

First issued in 2001, The PAL lists medium wave and domestic shortwave broadcasting stations in southern and eastern Asia and the Pacific. It includes about 5000 stations in over 50 countries, with frequencies, call signs, locations, power, networks, schedules, languages, formats, networks and other information. Bruce Portzer - Editor



DXpeditions – Phil Bytheway – 9705 Mary NW – Seattle WA 98117-2334

Email: DXM.EiC@gmail.com

## Chatham Light House, Chatham MW DX (Ray Barstow via IRCA eGroup)

Got to the Chatham Light House early to set-up and take some pictures. It was a cloudy day but still not to cold for some DX. A man in a truck next to me wanted to talk and also 3 Coast Guard men also came out to ask what I was doing. We talked and I asked them if they transmit from this location. They do in VHF and UHF. So on with the DX?

What DX as it was below normal. Out in the North Atlantic was a long wall of storms as per the lightning map and the static made it hard for proper DXing. 12/4/19

2000 -	– 95°		
1566	BENIN S 4-5 with music.		
2100	– 95°		
810	SPAIN On top. USA WWOS, SC. On top with Christmas music. EGYPT Mixing with Spain.	1566	MOROCCO Talk. BENIN in much better with a woman in French. ITALY Fair with light music.
2115	– 95°		
	USA WDMV, MD. With Mexican music and talk and on top. - 125°		

630 PUERTO RICO on top.

690 CUBA In good. //710.











Top Left - taken from the beach with the truck to the right.

Next - View of beach looking NE.

Next - Same view zoomed in.

Top Right - The light house and boat.

Bottom Left – The parking lot still with many cars in the winter. In the Summer it's a no go for DXing.

Next – My DX machine.

Bottom Right – Taken from the bed of the truck. The bottom wire stapled to the top edge of the wood. The camera a Sony RX10IV. It can shoot 4 K and also at 960 FPS at 1080. I will try out the 960 FPS with birding, like Hummingbirds etc.

Take care, Roy Barstow - Falmouth MA. OLD CAPE COD

## Hawaii DXpedition Loggings and MP3's (567-630 kHz)

This is the second group of loggings and MP3 links from the November 2-8 Poipu, Hawaii DXpedition with Craig Barnes and Australian Chris Rogers. Highlights in this group included an intriguing 594 kHz UnID, six stations received on 603 kHz alone and an S9 Filipino on 630 that made me wonder if Hawaii had a new local pest.

File review from this trip is proving to be quite interesting, with 44 stations already recorded on the frequencies from 530-630 kHz alone, and almost all of the band yet to come. For those interested in the full logging list so far (along with additional trip photos and narrative), a basic DXpedition file is posted at https://dreamcrafts.box.com/s/ce392abiuf312qpkuc35emhgiw4cgvdt

JAPAN JOIK, Sapporo, 100 kW. Splatter-challenged reception //729 only 3 kHz away from Kauai local on 570 at 1545 on 11/5 567 https://dreamcrafts.box.com/s/5a0ngpxqp9tuotjpbx8bdqyh5lker2u0 585p AUSTRALIA 2WEB, Bourke, 10 kW. Presumed the one with the usual late night music format not //792 at 1536 on 11/7; some 590 Honolulu splatter https://dreamcrafts.box.com/s/dggp27pj8k9hyxw53hdhe3eof7er87vz AUSTRALIA 7RN, Hobart, 10 kW. Good level female conversation //792 through 590 Honolulu splatter at 1513 on 11/6 https://dreamcrafts.box.com/s/0q9o6xeuvdt95gt2h8fe694i23nh0mmm JAPAN JOPG, Kushiro, 10 kW. Splatter-challenged reception //594 at 1548 on 11/5; modest signal, and unable to null 590-Honolulu https://dreamcrafts.box.com/s/jaqd8uzolxg1a8q0x6t0dhnkvnrmrreo 594 AUSTRALIA 3WV, Horsham, 50 kW. Male-female conversation //702 through 590 splatter at 1540 on 11/7; UnID female speaker underneath in mystery language https://dreamcrafts.box.com/s/erswva5bnqn60ffw0mrriq0ktx7haj1i JAPAN JOAK, Tokyo, 300 kW. Getting through 590 splatter fairly well with music and speech //585 at 1555 on 11/5 https://dreamcrafts.box.com/s/epvmwv8h5c04f8hcoan29qsvs6yulnyg UnID-Asian Female speech under 3WV at 1540 on 11/7; doesn't sound like Japanese – more like an unusual Asian language https://dreamcrafts.box.com/s/erswva5bngn60ffw0mrrig0ktx7haj1i AUSTRALIA 2RN, Nowra, 10 kW. Female speech //792 under 4CH male speech at 1546 on 11/7; only heard once during the trip 603 https://dreamcrafts.box.com/s/9w6lbb5wtn6yr7iry5cgzy0x4c4f0z5n AUSTRALIA 4CH, Charleville, 10 kW. Male conversation //612 at good level over Radio Waatea at 1547 on 11/7 https://dreamcrafts.box.com/s/infomczdvtegmuuiuiovjw2etoqbjcr
 CHINA CRI, Dongfang, 300 kW. Vietnamese service signing on with ToH chimes at 1600 on 11/4, temporarily wiping out HLSA https://dreamcrafts.box.com/s/e1lfk4d7192ekg2wf6biget5f3oituj1
 REP KOREA HLSA, Namyang, 500 kW. Strong Korean female and male speech during ToH routine at 1558 on 11/5 https://dreamcrafts.box.com/s/l8r47bv1rum24g8m256g0hhrkmfw1j3j. The K-Pop song on HLSA during the recording is "Summer Love" by Ulala Session (thanks to Chris Kadlec) https://www.youtube.com/watch?v=uzbqvZj4BGY NEW ZEALAND Radio Waatea, Auckland, 5 kW. The usual male Maori announcer playing Maori music at 1545 on 11/7, until losing the battle with 4CH https://dreamcrafts.box.com/s/kjsooaujh131kw9f1rlhtxouaax22yxy UnID-China Chinese-inflected female speech mixing with rock music from HLSA at 1543 on 11/4 – maybe Hulun Buir? Doesn't sound like CRI https://dreamcrafts.box.com/s/tkepm0hot1t0vi426cwr4k1t4ko5o1gr 612\* 🖌 TRALIA 4QR, Brisbane, 50 kW. Call-in quiz at overwhelming strength at 1548 on 11/7; this station and 630-4QN were at S9 strength every morning https://dreamcrafts.box.com/s/g4hsaogp8no36i0e582otbdepbpt86p5 APAN JOLK, Fukuoka, 100 kW. Good-strength Japanese stock report //729 at 1610 on 11/5 https://dreamcrafts.box.com/s/ppvmrja5clw1odjdqiww4fh9lu3p5ldt UND-DU Instrumental music nulling southwest under 4QR during DU-slanted conditions at 1619 on 11/2; Star synchros? https://dreamcrafts.box.com/s/ep6rnycy5sp41bq8romy68rzb15dh55n AUSTRALIA 3RN, Melbourne, 50 kW. Male conversation about western civilization //792 on a noisy frequency at 1558 on 11/7 https://dreamcrafts.box.com/s/l7tur9fv88rbno2o3462bga8w73ekvll DPR KOREA Pyongyang BS, Chongjin, 500 kW. Typical female vocal music and Korean speech at good level at 1521 on 11/2 (with somewhat degraded audio due to an off-frequency transmitter, a long term issue) https://dreamcrafts.box.com/s/g2nfia19yxvxhgrklcwjfjghituf71vd TUVALU Radio Tuvalu, Funafuti, 5 kW. Typical island choral music at a typically strong level at 0828 on 11/2 https://dreamcrafts.box.com/s/cl2ho45963me9x4a9x14hcavurstp8af. Male speech in the island language at 0821 on 11/2 621 https://dreamcrafts.box.com/s/Jyre51bpbticqj15e3c0y9aryks5wt22 AUSTRALIA 4QR, Townsville, 50 kW. ABC fanfare at typically overwhelming strength at 1600 on 11/7; an UnID station with 5 + 1 pips is underneath https://dreamcrafts.box.com/s/c1yskeq6k6prsdek43f4dt6ch7eIn2f0. Australian weather report and ABC promo at an S9 level at 1603 on 11/7 630\* https://dreamcrafts.box.com/s/87/vxlxa2ifzbmzg3xgu4adv9334mh86 PHILIPPINES DZMM, Quezon City, 50 kW. S9 strength all alone with female ID at 53 seconds ("DZMM, 55 years in the service of the Filipino") at 1623 on 11/2 https://dreamcrafts.box.com/s/pytyd1r42mbi6tynnhqnrum1d90cb9p4 TAIWAN BCC (News), Ilan, 10 kW. BCC chimes at the ToH, with both Chinese and "News Radio" English ID's (at 53 seconds) at 1500 on 11/4 https://dreamcrafts.box.com/s/7j4x3c3vhvpz5ismeg4uzqjjcqcds9pg UnID-DU 5 + 1 Time pips under 4QR's ABC fanfare at 1600 on 11/7; probably RNZ in Hawkes Bay https://dreamcrafts.box.com/s/c1yskeq6k6prsdek43f4dt6ch7eln2f 0 UnID-TP Female Chinese-inflected speech under BCC's male Chinese speech around 3:45 in the recording at 1500 on 11/4; CNR2? https://dreamcrafts.box.com/s/7j4x3c3vhvpz5ismeg4uzqjjcqcds9pg



Deadlines: 12/14, 12/21, 12/28, 01/4/20, 1/11, 1/18, 1/25, 2/1, 2/8 and 2/15

Tom Jasinski, 330 Dwight Avenue, Joliet, Illinois 60436

First of all, I wish everyone a happy and pleasant holiday season. 2019 was my 55th year with the IRCA and nearly my 60th year DXing. I recall a letter I received from a now deceased IRCA member, Don Erickson, inviting me to join this club after my DX report to KOMA 1520 kcs in Oklahoma City. He said I had the opportunity to be a charter member but I let the deadline pass. It is amazing how the AM Band has changed. I recall the nightly band full of hets caused by many distant stations from the Caribbean, Central, and South America. Those days are long gone. Now, for me, the band is full of digital noise coming not from far away but from my neighborhood. Now the only way I can get any good DX is to pack up my RSA and antennas and drive 20 miles to the west out in farm country. I have attended a few IRCA gatherings. The first was Milwaukee in 1966, and there I met Don Erickson in person along with many others. Tomorrow (December 4 2019) I am scheduled for back surgery and will be laid up for a few weeks recovering. So, much of the best part of this # season I will lose out on. 73's and good DX to all.

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. 223 kHz, December 6 at 0728, dash and YYW, 1000 watt ND beacon from Armstrong, Ontario. First one readable as I tune upward.

CANADA. 300 kHz, December 8 at 0727, dash and YIV, 500 watt ND beacon from Island Lake, Manitoba; logged once before on September 16, when I described its location.

340 kHz, December 8 at 0729, dash and YY, 500 watt ND beacon from Mont Joli, Quebec. I was tuned to 341 where it mixed with local EI, and first thought it could be an attempt by YYU Kapuskasing to come back from the dead. Mont-Joli is on the Gaspé coast, just NE of Rimouski, 2761 km from here = 1715 stmi.

352 kHz, December 8 at 0732, dash and YKQ, 500 watt NDB from Fort Rupert-Waskaganish, Quebec. It's a remote Cree community on James Bay, but only 2250 km from here = 1403 stmi, atcf.

OKLAHOMA. 341 kHz, December 6 at 0732, JBA ID with long pauses from my local NDB, EI, at Woodring Airport. I often check for this day and night and hear nothing at all, so appears to be sporadic and/or very reduced power below nominal 25 watts. DXinfocentre.com lists 24 other 341s in the N American region, including the now decommissioned YYU in Kapuskasing; and the only other one I have heard, OIN in Oberlin KS.

OKLAHOMA. 341 kHz, December 8 at 0729, Enid ND beacon El is on again in the nightmiddle, vs 340 YY in Quebec, see CANADA.

USA. 560, December 6 at 1334, news about Beaumont, "KLVI News time 7:34", weather next, local ads. Can anyone think of another MW station with a call of frequency in Roman numerals? (56 = myriaHz). Not often heard here; night pattern is tight almost due west; hmmm, across Houston, but non-directional daytime after 1300 in December (1315 in January).

ALGERIA. 576, November 28 at 0052, JBA carrier among many in TA search, but this is of special interest. 1 kHz tone test has been widely reported last few nights in eastern half of North America as very strong UnID. Now I also detect a "carrier" on 575, i.e. the lower half of a 1 kHz tone, but too much slop from WIBW on 577. My previous comments about this: Maybe Bechar, Algeria, 400/200 kW. Although listed in WRTH, it hasn't been reported much (any?) despite the common 531 and 549 Algies, so maybe this one is just being reactivated? Bechar is also where they are supposedly building a new SW site. mwlist says: "576 ALG Chaîne 1 24h Kenadsa (Béchar) \* 400 reported irregularly active in March 2016 //153 198 891 909 1071" Europeans, if not North Americans, could easily get a DF bearing on this, even triangulate it by simply using handheld portables – too easy?

ALGERIA. 576, November 29 at 0445, JBA carrier with 1 kHz tone, also detected as separate carriers on 575 and 577, presumed Béchar testing. Have any Europeans triangulated this yet to be sure? Not specifically, but just posted to bdxc-news ioGroup at 1750 November 29: "New Algerian MW Station on 576 – Hi, The tone tester heard these latest days on 576 has become a new broadcasting service from RTA (Algeria). Broadcasting started today 29th in the afternoon from Kenadsa (Béchar) according to MW List details. The power listed is 400 kW. They were airing Radio Bechar program (not //with Chaîne 1), but probably they will connect to RTA-Ch1, as other stations do with Radio Coran, Radio Culture and so on. According to some listeners in Murcia (Spanish southeastern coast), is causing interferences to RNE-R5 Murcia on 567, from this evening. Perhaps it will affect this station during the night and maybe also 576 RNE-R5 Canaries (CNR). The station reaches now, here in Northern Spain a 54444/5 SINPO. 73! – Jorge Garzón. EB7EFA – EA-0080URE SWL QTH 43°15' N 03°56' W/IN83ag Cantabria (España – Spain)"

SPAIN. 684, November 29 at 0447, among all the JBA 9-kHz TA carriers, some Castilian-sounding audio here from RNE Sevilla; and at 0448 also on weaker 774 RNE synchros music, then talk.

USA. 830, December 6 at 1343, Spanish religion seems to peak WSW/ENE, maybe a Mexican; but 1347 several AC 901 phone numbers and Memphis mentioned, so it's from the east, 3 kW daytimer, WUMY Memphis TN, 1348 also slogan "Buenas Nuevas" (never 'Noticias' in the Christian sense, nor vice versa). WCCO still in but nullable. Not to be confused with the other mid-American Mississippi Valley USSS on 830, KGLA in Norco LA.

USA. 1060, December 6 at 1402, ID including "Éxtasis – El Paso", 7:02 TC, i.e. KXPL, 10 kW ND daytimer. No sign of KIJN Farwell TX, about halfway between us.

UnID. 1520+, November 27 at 2226, I'm straining to hear a tell-tale het from 1521 upon 1520 KOKC, since Duba, Sa'udi Arabia 2000 kW is about to sign off at 2231\* as noted by Bruce Conti, NH. It used to be obvious when it ran all-night. I do detect a JBA carrier, but sounds less than 1 kHz, so maybe KRHW Sikeston MO which has varied before; and still there at 2233.

SAUDI ARABIA. 1521, November 29 at 2210, already hearing a +1 kHz het upon 1520 KOKC; in fact two hets of different pitches, the other one perhaps KRHW in MO as previously discussed. From 2229 I am listening intently, isolating the 1521.0 carrier by tuning to 1520.8-USB. It goes off sometime between 2231 and 2232, but can't tell exactly when as KOKC is splashing some music that minute; must be an ad during talk format. Bruce Conti, NH, in NRC IDXD had timed the cutoff exactly twice, which is what I am trying to match: "1521 SAUDI ARABIA SBC Radio Riyadh, Duba OCT 12 2215 – Good; talk and music parallel 9555 and 9870 kHz. 1521 off at 2231:40C after solemn talk with soft orchestra music. OCT 19 2230 – Good; off at 2231:40. [Conti-NH]".

UnID. 1521, November 30 circa 1840 = local mean noon, ~1 kHz het upon 1520 KOKC, on caradio, but it's fleeting. IIRC last winter there were signs of this in broad daylight, and it seemed not inconceivable that with low winter suns, the two megawatts from Sa'udi Arabia could be skywaving such a trace this far, this early. But then there's that other off-frequency American, much closer.

UnID. Trans-Atlantic JBA MW carrier search December 1 at 0648-0656: 621, 684, 693, 711, 747(2), 774(2), 837(2), 846 [probably TP Kiritimati], 936(2), 999, 1044, 1053, 1089, 1215, 1413, 1539. Some of these were picked up on a second scan, not the first one as of course fading and QRM are always variable. (2) means at least two carriers beating.

UnID. Trans-Atlantic JBA MW carrier search, December 3 at 0602-0608: 531, 549, 612, 684, 693, 747, 774(2), 846(TP), 855(2), 882, 909, 936, 1053, 1089, 1107(2), 1134(2), 1215, 1296 kHz.

UnID. Trans-Atlantic JBA LW carrier search, December 4 at 0735: 189 and 198 kHz, i.e. Iceland and UK.

UnID. Trans-Pacific JBA MW carrier search, first on the R75 with E-W longwire, December 6 at 1324-1328: 747, 774 both much stronger than 828; 972, 1143. Today's sunrise 1329, still latening by a minute every other day to attain 1344 by Epiphany; OTOH our earliest sunset is just about now at 2316. Then at 1328-1333 on the DX-398 hand held, all of them DFing NW from E Asia, not Au/NZ: 693, 737, 774, 828, 873, 972, 1323, 1422, 1566.

UnID. Trans-Atlantic JBA MW carrier search, December 8 from 0709, after hearing audio from 774 Spain synchros: 531, 549, 558, 567(2), 576, 585, 612, 621, 684, 693, 747, 765, 774(2), 837, 846(TP), 882, 909, 936, 999, 1089, 1107(2), 1116, 1125(2), 1134, 1152, 1179, 1215, 1413.

UnID. Trans-Pacific JBA MW carrier search, December 8 at 1330-1339 just at sunrise here, on the R75 with E-W LW, so no DFing but probably E Asian more than DU: 558, 594, 612, 621, 657, 693, 702, 738, 747, 756, 774, 828, 873, 972, 1017, 1035, 1044, 1053, 1098, 1206, 1566, 1575.

USA [and non]. WORLD OF RADIO 2011 monitoring: confirmed Sunday December 8 starting at 0423 on WA0RCR, 1860-AM, MO, VG but with some CW QRM from hams too close during huge 160m contest up to 1887 kHz.

UnID. 2484.13, December 6 at 1409, weak steady carrier, probably a local artifact, but I'm checking for VANUATU which is supposed to revive SW before yearend including new 2485 registered by Adrian Sainsbury, NZ as 10 kW, 1000-1900.

DPR KOREA. 2850, December 6 at 1408, choral music S7-9, KCBS Pyongyang the common DPRK MW station here, only occupant of the 105meter band, better than usual well after sunrise here.

USA. 3185, Sun December 8 at 0410, gospel huxtress S9 but undermodulated; not //TOMBS frequencies. So WWRB now using 3185 instead of 3195 when on after 0200, Sun and maybe Mon.

DPR KOREA. 3320, December 6 at 1413, Hamhung relay of KCBS Pyongyang also registers S7-9, but just barely modulated. Still outshines 3325 Indonesia JBA carrier.

GUATEMALA. 4055, December 6 at 0722, TGAV once again on air way past usual 0610v\*, but no modulation. Sometimes there may be, for the holidays?

CUBA. 4765, December 6 at 0201, Radio Progreso music is suptorted, S9+20 with CODAR QRM too.

U S A. 4840, December 4 at 0723, S9+30 of dead air from WWCR instead of TOMBS, which continues modulating with squeal on 3215, S9+10/20. Meanwhile, the only other WWCR, 5935 with music during TUN/DGS/PMS, hits S9+50 on my generous meter after double-preamps.

UnID. 5010-, December 7 at 2316, WRMI in Spanish vs a LAH = low audible heterodyne from the minus side. Brings to mind Madagascar offset, but not supposed to be on between 1500 and 0200 as per Aoki/NDXC. Don't you believe! that Honduras or Dominican Republic exist on 5010 as shown there; they've been gone for years. OTOH, India is NOT listed, but has been reported sometimes; not aware of it being frequency-low. VU2JOS shows latest AIR info: "5010 50 Thiruvananthapuram Kerala Malayalam S=zone 0020-0205 1130-1745 (Irregular)" and 2316 should also be too early for it; unless something special is going on there or in Madagascar. The two Bauta, Cuba transmitters on 5040 and 5025 could also leapfrog to 5010, but at least one of them would have to be off-frequency slightly, which does not seem to be the case now.

CUBA. 5040, December 5 at 0707, this Radio Havana Cuba is still on in English, very good S9+20/30, //only 6145.

CHINA. 5050, December 7 at 2314, Chinese talk, very poor vs splash from 5040 Radio Havana Cuba – Commies vs Commies! Aoki/NDXC shows: "5050 2300-0102 CHN Voice of Beibu Bay Radio Chi Nanning 954 1-7" Their only morning broadcast; have several others in Thai, Vietnamese, Cantonese, Mandarin. HFCC shows 100 kW at 232 degrees. WWRB is OFF 5050 for the B-season.

USA. 5085, Saturday December 7 at 2313, WTWW-2 already on with ham talk about 160m; S9+40 but overmodulated/distorted as it would be for hours! By 0106 Sunday December 8 I notice that 'Theater Organ in the Ozarks' is underway as sometimes happens around this time, Christmas music awful with the distortion; also emitting intermittent huge noise bursts ranging 5050-5110. At first I suspected some new Christmas lights in the neighborhood, until found this confined to the 5085 area! 0402 recheck, still distorted with rock music. Doesn't Ted know nor any of his listeners tell him about this?

NORTH AMERICA. 5126-USB, December 5 at 0014, pirate with rock classics, 0020 "Tutti Frutti"; 0027 "Are You Lonesome Tonight" by Elvis; 0027 quick female ID as Mix Radio International. Still on at 0113 recheck, fair and steady signal. Thanks to tip from Robert Butterfield, Maryland, to the WOR ioGroup, who was hearing it as early as 2205 December 4. Many more logs here as early as 1931: https://www.hfunderground.com/board/ index.php/topic,60902.0.html

Until the next, Best of DX and 73 de Glenn!

# SPORTCHANNELS IRCA – Compiled by: Eric Bueneman (NØUIH) Email: n0uiheric@gmail.com

Welcome to another edition of SportChannels! Hockey season is under way, and we're now taking a look at NHL network lists. In this edition, we'll be featuring network lists are from the Pacific Division of the Western Conference. The new Seattle team will be joining this division in 2021; the Arizona Coyotes will be moving to the Central Division. More information can be found at nhl.com/seattle/. Flagship stations are in boldface type, Spanish language flagships are in boldface italics

ANAHEIM DUCKS Steve Carroll, Dan Wood, Josh Brewster, Web: nhl.com/ducks/

830 KLAA Orange, CA only

ARIZONA COYOTES Bob Heethuis, Paul Bisonnette, Web: nhl.com/coyotes/

AM	980 KNTR Lake Havasu City, AZ	FM	100.5 K263BM Riviera, AZ
600 KVNA Flagstaff, AZ	1230 KATO Safford, AZ	94.3 K232EI Lake Havasu City, AZ	104.7 K284BO Flagstaff, AZ (2)
780 KAZM Sedona, AZ	1340 KIKO Apache Junction, AZ	(1)	
910 KGME Phoenix, AZ	1450 KTZR Tucson, AZ	94.3 KDDL Chino Valley, AZ	
•••••••••••••••••••••••••••••			

Relays: 1) KNTR 980, 2) KVNA 600

CALGARY FLAMES No play-by-play personnel information available, Web: nhl.com/flames/

#### 960 CFAC Calgary, AB only

EDMONTON OILERS Jack Michaels, Bob Stauffer, Web: nhl.com/oilers/

AM 630 CHED Edmonton, AB	93.3 CFXG Grande Cache, AB 93.5 CKVH High Prairie, AB	95.5 CFXP Jasper, AB 96.7 CFXW Whitecourt, AB	97.9 CKYX Fort McMurray, AB 100.1 CJCD Yellowknife. NWT
890 CJDC Dawson Creek, BC FM	94.1 CKBA Athabasca, AB 94.3 CFXE Edson, AB 95.3 CJXK Cold Lake, AB	97.5 CFXH Hinton, AB 97.7 CHSP Saint Paul, AB* 97.9 CKWB Westlock, AB**	101.9 CKKY Wainwright, AB 104.7 CFRI Grande Prairie, AB
92.7 CHSL Slave Lake, AB		,	

Notes: \* denotes Oilers' network list has old call CHLW, \*\* denotes Oilers' network list has old call CFOK

SAN JOSÉ SHARKS Dan Rusanowsky, Jamie Baker, Bret Hedican, Web; nhl.com/sharks/

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АМ	1270 KXBX Lakeport, CA	FM	101.1 K266BD Carmel Valley, CA (4)
790 KFPT Clovis, CA	1290 KPAY Chico, CA	92.7 K224ER Eureka, CA (1)	104.5 K283CM Auburn, CA (5)
940 KFIG Fresno, CA	1340 KATA Eureka, CA	96.1 KKXS Shingletown, CA	104.9 K285FW King City, CA (6)
950 KAHI Auburn, CA	1400 KUKI Ukiah, CA	96.3 K242AD Ukiah, CA (2)	105.1 KOCN-HD2 Pacific Grove, CA
970 KESP Modesto, CA	1460 KION Salinas, CA	96.5 K243BT Clearlake, CA (3)	(4)
1140 KHTK Sacramento, CA	1490 KRKC King City, CA	98.5 KUFX-FM/HD1 San José, CA	

Relays: 1) KATA 1340, 2) KUKI 1400, 3) KXBX 1270, 4) KION 1460, 5) KAHI 950, 6) KRKC 1490

VANCOUVER CANUCKS No play-by-play personnel information available, Web: nhl.com/canucks/

### 650 CISL Richmond. BC only

VEGAS GOLDEN KNIGHTS English: Dan D'Uva, Gary Lawless, Spanish: Jesus Lopez, Herbert Castro, Web: nhl.com/goldenknights/

AM	1400 KNNR Sparks, NV
1210 KHKR Washington, UT	<b>1460 KENO Las Vegas, NV</b>
1230 KELY Ely, NV 1340 KTOX Needles, CA <b>1340 KRLV Las Vegas, NV</b>	FM 94.9 KHRQ Baker, CA

Relays: 1) KHKK 1210, 2) KRLV 1340

96.9 KHDR Lenwood, CA 97.7 K249EQ Saint George, UT (1) 98.5 KNNT Battle Mountain, NV 98.7 KAVB Hawthorne, NV 98.9 K255CT Henderson, NV (2)

101.1 KPKK Amargosa Valley, NV 102.5 KNVR Fallon, NV 104.7 KEAU Elko, NV

The radio play-by-play broadcasts of the LOS ANGELES KINGS are unavailable on broadcast radio; these games are only on the Web. In the next edition of SportChannels, the radio listings for the Metropolitan Division of the Eastern Conference will be presented. 73 and play hard from the Florissant Valley Dial Twister.

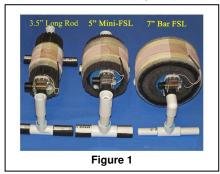


IRCA TECHNICAL COLUMN – Nick Hall-Patch – 1538 Amphion St – Victoria BC Canada V8R 4Z6 Email: nhp@ieee.org

(Editor's note: he Ferrite Sleeve Loop (FSL) was introduced to the MW DXing world nearly a decade ago now by the late Graham Maynard, and documented in DX Monitor of 12 March 2011. Since that time, Gary DeBock has done a huge amount of work developing the FSL, and documenting his findings. See "DX Monitor" of 27 August 2011, 18 November 2011, 14 April 2012, 16 February 2013 and 24 August 2013, as well as many sources on the internet. Here's Guy Atkins to describe an updated construction method for the FSL)

#### A New Approach to FSL Antenna Construction by Guy Atkins

Introduction: I'm very fortunate to live across town from my good radio hobby pal **Gary DeBock**. He has been responsible for the rapid growth in Ultralight radio DXing and the construction of Ferrite Sleeve Loop (FSL) antennas. Living near each other as we do, I've benefited a lot from his expertise and creativity in the hobby. We've enjoyed visiting about Ultralight radios and antennas many times over a leisurely lunch. If you're unfamiliar with Gary's efforts, just do a YouTube search on his name and see just a few of the many FSL antenna variations he's built! (Figure 1)



Gary uses PVC tubing, "Fun Noodle" foam cylinders, (https://www.amazon.com/Aqua-World-223-Fun-Noodle/dp/B0017QABEQ/ref=sr\_1\_1?ie= UTF8&qid=1485757938&sr=8-1&keywords=fun+noodle) sections of curved foam, and rubber plumbing adapters almost exclusively as the core supporting structures for his FSLs, from small 3-inch models to 17-inch monsters. Gary certainly has perfected his own techniques with these raw materials; he's an expert in combining them. He even makes PVC table structures to support his FSLs during Oregon coastal DXpeditions, as seen in some of his YouTube videos. There materials work well, but over time oven FSLs as small as 7 to 8 inspecting diameters hear profectly circular change. This seems to

These materials work well, but over time even FSLs as small as 7 to 8 inches in diameter begin to sag and lose their perfectly circular shape. This seems to be caused by the shifting of individual segments of foam which are wrapped around a "Fun Noodle" core and center PVC tubing.

What possibilities are there for other materials in FSL antenna construction? It would be a fun challenge to build a small to medium sized FSL antenna that would have these qualities:

· Maintain a circular cross-section without sagging

- An appearance less like a threatening explosive and more like a commercial product
- Use alternate construction methods for those not skilled with cutting and gluing PVC tubing

I began to keep my eyes open for likely candidates as I visited hardware stores, department stores, and office supply outlets. Eventually some ideas began to gel.

Raw Materials: Here is a visual and descriptive list of what I used in this alternate design of Ferrite Sleeve Loop antenna. I won't go into great detail about dimensions, quantities, and measurements, as other DIYers should be able to easily follow the general idea presented here. This article is mainly to get you thinking about other ways to construct a ferrite sleeve loop antenna.



The Core of the Matter: This 18-inch long, semi-rigid foam roller is six inches in diameter. It's a workout and exercise aid which I found in the sports department of my local Walmart store (Figure 2). The cost was approximately \$13. This one-piece foam is a perfect foundation for holding and protecting the fragile ferrite rods and keeping them in a circular arrangement; since the roller is in one piece there is nothing to shift around, or sag. When placed on this core, the final diameter of the FSL antenna is approximately seven inches.



So, what to put the antenna in? Something needs to suspend and protect the antenna as a substitute for the PVC frame previously used. This **Sterilite tote box** is the perfect size to hold the antenna. As shown in **Figure 3**, the dimensions are approximately 14-1/4" X 9-5/8" X 12-1/4"; the model number is 1896.

Early on, I decided that the flimsy "locking tabs" on the cover would not suffice for holding the relatively heavy antenna when carrying the tote by the handle. I drilled holes and attached a dozen small Nylon nuts and bolts to secure the cover. (Nylon avoids distorting the medium wave reception pattern of signals, as metal hardware could.)



An ample quantity of 200mm ferrite rods are needed, plus an air variable capacitor (preferably with a 8:1 reduction drive shaft), and Litz wire (**Figure 4**). 1162 strands/46 gauge Litz provides the most sensitivity but the coil will cover a greater width on the rods.



Gary likes to use waterproof medical tape, sticky side out, to hold the rods in place, but I like to use Gorilla brand tape (**Figure 5**), as it is extremely sticky and holds the rods better (**Figure 6**). My choice for the rod-to-coil spacing material is two turns of 1/8" thick bubble wrap (seen at the center of **Figure 7**).

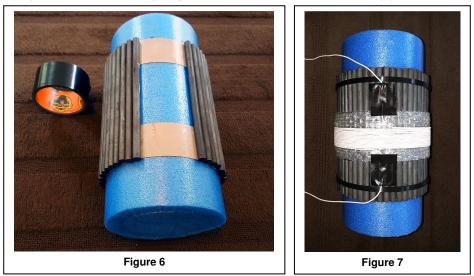
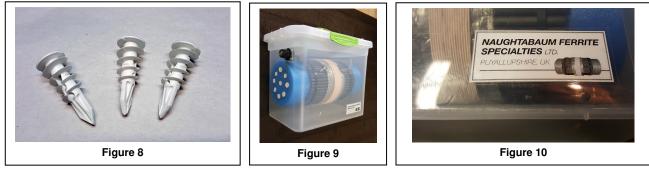


Figure 7 is the foam core, ferrite rods, bubble spacer, and coil assembly prior to fitting in the Sterilite tote container. Before assembly to this point you'll need to cut the foam roller to length using a serrated knife or electric carving knife. Two sturdy cable ties help hold all of the rods in place. A better alternative might be strips of 1/2" wide Velcro straps purchased from a fabric shop or home improvement store.

Another key item to this construction method is the use of plastic drywall anchor screws (**Figure 8**). These are meant to be pushed and screwed into gypsum wallboard for sturdy attachment of bolts or picture hangers on walls. When screwed through drilled holes in the side of the Sterilite tote, they secure and suspend the foam roller/ferrite sleeve loop assembly. The density of the foam roller is sufficient to give a good grip to the drywall anchors. Eight to ten anchors per side are enough to hold the assembly in place. See **Figure 9**.



Every good FSL antenna design needs an official sounding manufacturer! With tongue firmly in cheek I've appropriated the name shown on the self-produced label in **Figure 10**. Clearly, a Ferrite Sleeve Loop antenna from **Naughtabaum Ferrite Specialties Ltd.** stands a better chance than most of passing through TSA checkpoints, right?

I hope this article has given you some new ideas for FSL antenna designs. There's certainly room for improvement, including making the antenna's ferrite rods look less intimidating... less like a bundle of dynamite! Perhaps the entire assembly can be wrapped with something that shields the rods from view, or you could use an opaque tote container rather than a clear model. The completed FSL is shown in **Figure 11**.



Be on the lookout for useful materials to repurpose. Trips to your local home improvement stores, office supply, and other outlets will give you further ideas on how to design your own Ferrite Sleeve Loop antenna.

(ed: there is also a video of an FSL constructed in this fashion being compared with a PK loop: https://www.youtube.com/watch?v=k7y2a4gWoGM) Guy Atkins is a Senior Graphic Designer for T-Mobile and lives near Seattle WA. He frequently contributes to the SWLing Post (https://swling.com/blog/) from which this review has been adapted, with the permission of the author.

COLLEGE BOWL GAME SCHEDULE (tune in to a radio near you)

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1/13/20 National Championship New Orleans LA TBA (ESPN) Semi-final winners					

## IRCA Slogans List (September 2019) – now available!!

The 2019 Slogans List includes radio slogans from the US and Canada (over 4600) as gleaned from various DX publications and monitoring. The 2019 IRCA Slogans List is posted on the IRCA website for all to download. The link is: https://www.ircaonline.org/editor\_upload/File/2019\_IRCA\_slogans.pdf For those preferring a hard copy, one can be ordered from the IRCA. Prices: IRCA/NRC members – \$4.00 (US), \$5.00 (Canada) \$7.00 (México), \$7.50 (rest of the world). Non-IRCA members – add \$1.00.

## **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 Mexican Log, 22nd Edition (Winter 2019)

The IRCA MEXICAN LOG lists all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, formats, networks and notes. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call and day/night power. The transmitter site index (listed by state, then city) tabulates the latitude and longitude of transmitter sites. Also, in this edition, there is a spread sheet with links to web sites, live broadcasts and facebook page of many of the Mexican stations. This is an indispensable reference for anyone who hears Mexican radio stations. Size is 8 1/2" x 11".

The 2019 Mexican Log .pdf is posted on the IRCA website for all to download. The link is:

https://www.ircaonline.org/editor\_upload/File/2019%20Mexican%20Log.pdf

For those preferring a hard copy, one can be ordered from the IRCA Bookstore. Prices: IRCA/NRC members – \$5.00 (US), \$6.00 (Canada) \$8.00 (México), \$9.00 (rest of the world). Non-IRCA/NRC 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 - \$5.00 (US), \$6.00 (Canada) \$8.00 (México), \$9.00 (rest of the world). Non-IRCA/NRC members - add \$1.00.

## A DXers Technical Guide, 4<sup>th</sup> Edition (Spring 2004)

In its 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 (Domestic and World)

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 printed volumes of 3, 4, 6, 7 and 8 of the IRCA Foreign Log available for \$2.50 each (overseas add \$3.00/book). Or, send an Email to phil\_tekno@yahoo.com and I will forward searchable .pdf copies of 3-10.

## 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.

To order from the IRCA, send the correct amount (in US funds payable to **Phil Bytheway**) to: **IRCA Bookstore**, **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**.

## Medium Wave Circle Offerings

We now have available for purchase a downloadable zip file of Sony ICF2001D/2010 information, via our website shop at http://www.mwcircle.org/shop.htm.

We are now in the process of uploading volumes of Medium Wave News older than 3 years, in pdf format, to our archive at http://www.mwcircle.org/ member\_archive.htm. This information is publicly available at no charge – so far we've archived volumes between 2003 and 2011, although as time permits we hope to upload all the older copies we have on file, right back to 1953. Other freely available information are the UK All Time Lists at http://www.mwcircle.org/ member\_alltime.htm. Our Facebook Group which can be reached here: https://www.facebook.com/groups/mediumwavecircle/.

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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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For information on subscribing to the IRCA mailing list at Hard-Core-DX, a group Email service, contact the moderator, Lynn Hollerman at lynnhollerman@yahoo.com.

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