



DX MONITOR

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Weekly now... Seattle "DX Monitor" deadline every Monday 10/10 6 PM PLT.

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IRCA Slogans List (September 2016)

This completely revised Slogans List includes radio slogans from the US and Canada (over 4500). The 2016 IRCA TIS/HAR LIST is posted on the IRCA website for all to download. The link is: <http://www.ircaonline.org/slogans.htm>

A hard copy 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 [add \$1.00] to email: phil_tekno@yahoo.com (Phil Bytheway). Please state club affiliation when ordering.



IRCA PRESIDENT – Phil Bytheway – 9705 Mary NW – Seattle WA 98117-2334
E-mail: phil_tekno@yahoo.com

2016 CONVENTION REFUND

Turns out, the Kansas City convention made money this year!! IRCA's refund is \$9.00/registering IRCA member.

Once again, I will handle the refunds. Those IRCA attendees that want a refund need to contact me at the above email. I will offer a check, PayPal, Goodie Factory credit or a one year extension of IRCA membership (\$10.00 value!). Please state your preference when writing and include your mailing address if you want a check... pb

2017 CONVENTION BID

It's that time again. Anyone thinking about hosting an IRCA (or combined) convention in 2017, contact me at the address above. The deadline for bids is now 11/15.

Brandon Jordan has resigned as **DX Test – Broadcast Tests Coordinator**. If interested, please contact me right away.

Please read this. My health is starting to become an issue, which means we need to find someone willing to take over the duties of **DX Monitor** Editor-in-Chief on short notice, possibly for the long term. If interested, please contact me ASAP.

If you are interested hosting the 2017 convention or in these positions, please contact me at the above address. Thank you... pb



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: October 8 2016, **Column data span:** September 24-October 8 2016, Data courtesy of Stationintel.com, FCC database and member contributions.

CALL CHANGES

FREQ	OLD CALL	CITY OF LICENSE	NEW CALL
1390	KZZD	Salem, OR	KZGD
1470	WTOD	Toledo, OH	WLQR

FORMAT, SLOGAN AND SILENT STATUS CHANGES

FREQ CALL CITY OF LICENSE

600	WCVP	Murphy, NC
660	KWVE	Oildale, CA
690	KEII	Blackfoot, ID
740	KRMG	Tulsa, OK
790	KEJY	Eureka, CA
910	WHSM	Hayward, WI
1040	KURS	San Diego, CA
1050	WSEN	Baldwinsville, NY
1090	WKTE	King, NC
1110	WVJP	Caguas, PR
1190	KXKS	Albuquerque, NM
1230	WAMM	Woodstock, VA
1230	WSBB	New Smyrna Beach, FL
1260	KEIR	Idaho Falls, ID
	WCLC	Jamestown, TN
1300	WMVO	Mount Vernon, OH
1330	WESR	Onley-Onancock, VA
1340	KYNS	San Luis Obispo, CA
	WOOW	Greenville, NC
	KUOW	Tumwater, WA
1360	KDJW	Amarillo, TX
1400	KVOE	Emporia, KS
	WCYN	Cynthiana, KY
1440	WKLV	Blackstone, VA
1450	KTZR	Tucson, AZ
	WNAT	Natchez, MS

NEW INFORMATION

old slogan: "Today's Hot New Country and Your All Time Favorites", new: "Today's Hot New Country and Your All Time Favorites" (??-ye ed)

was religious teaching, now ethnic, old slogan: "K-Wave", new: "KWVE Radio Punjab"

was talk, now religious teaching, old slogan: "Newstalk 690/1260", new: "Sunny AM 690/1260"

old slogan: "Tulsa's News, Weather and Traffic Authority", new: "Tulsa's News, Weather and Traffic Authority" (??-ye ed)

was unknown format, now travel information, adds slogan: "Destination Radio"

was sports, now soft adult contemporary

now silent

now silent

old slogan: "Beach Music And Oldies", new: "The Wave"

old slogan: "Dimension 103", new: "Radio Caguas 9/1/16"

was sports, now Spanish religion

now silent

old slogan: "AM 1230 and 1490 The Great Voice", new: "AM 1230 and 1490 The Great Voice" (??-ye ed)

was talk, now religious teaching, old slogan: "Newstalk 690/1260", new: "Sunny AM 690/1260"

was religious teaching, now silent

was oldies, now classic hits

was talk, now country, adds slogan: "Coastal Country"

was soft adult contemporary, now modern rock, old slogan: "B 93.7", new: "Alt 93.7"

was religious teaching, now silent

old slogan: "NPR News and Information Station", new: "NPR News and Information Station" (??-ye ed)

old slogan: "St Valentine Radio Catholic Radio 1360", new: "St Valentine Radio Catholic Radio 1360" (??-ye ed)

old slogan: "Live and Local", new: "Live and Local" (??-ye ed)

was country, now Westwood One Classic Hits, old slogan: "Genuine Country 1400 AM", new: "Classic Hits 1400"

was Westwood One Good Time Oldies, now Westwood One Classic Hits

was Spanish adult hits, now talk, old slogan: "La Preciosa", new: "The Talk Of Tucson", adds more than one network as primary network provider(s)

old slogan: "News, Talk and Sports 1450 AM", new: "News, Talk and Sports 1450 AM" (??-ye ed)

1460	KBRZ	Missouri City, TX	was ethnic, now Spanish Contemporary Christian, old slogan: "International Language Radio AM 1460", new: "Radio Aleluya"
1470	WTOD	Toledo, OH	now silent
1490	WTJV	Deland, FL	old slogan: "AM 1230 and 1490 The Great Voice", new: "AM 1230 and 1490 The Great Voice" (??-ye ed)
1510	KWJB	Canton, TX	was oldies, now adult hits
1540	KZMP	University Park, TX	was Spanish sports, now regional Mexican, old slogan: "ESPN Deportes Radio", new: "La Ranchera 106.7"
1550	KQNM	Albuquerque, NM	was silent, now Immaculate Heart Radio religious teaching, adds slogan: "Immaculate Heart Radio"
1570	WTRB	Ripley, TN	old slogan: "Music Country", new: "Real Country Variety"
1600	KNWA	Bellefonte, AR	was talk, now classic country, old slogan: "KNWA 1600 Conservative Talk Radio", new: "Boone County Country"
	KIVA	Albuquerque, NM	old slogan: "The Rock Of Talk 1600", new: "Fox News ABQ.FM"

(Note: more 'repeating' slogans from Stationintel.com, I'll just continue reporting them as they are reported-ye ed).

Still looking for work, had an interview at the Space Telescope Institute in Baltimore MD, looks very promising, may get an offer but will keep you informed. Had to turn down an offer in Dulles VA as the logistics of doing the job while here in Maryland wasn't going to work out and job was short-term anyway. I'm looking for long term. Convention was terrific it sounds, read the convention reports. DX is starting to pick up now as the weather is getting radically cooler, Hurricane Matthew didn't affect us here in Maryland but did to the south in North Carolina and further south. Have a great DX October, Halloween coming soon! 73's. **Bob Wien**



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

WDXR DEADLINES: Each Friday. Please use Eastern Local Time.

REPORTERS FOR THIS ISSUE:

- (BB) **Bill Block**-Prescott Valley AZ billblock@cablone.net
Drake R8
- (JCJ) **John Johnson**-2922 S Olivewood, Mesa AZ 85212 John_Johnson@prodigy.net
Icom IC-R75, 75' N-S longwire
- (AWP) **Art Peterson**-Richmond CA awpeteronprf@att.net
Sony ICF-2002, Quantum loop

- *****
- 950 KCAP **MT**, Helena heard 10/3 at 2300 with "KCAP Helena" then news. (BB-AZ)
 - 960 KGKL **TX**, San Angelo heard 10/3 at 2200 with "Newstalk 960 KGKL." (BB-AZ)
 - KOVO **UT**, Provo heard 10/4 at 0900 with "This is ESPN 960 Provo." (BB-AZ)
 - 970 KBUL **MT**, Billings heard 10/3 at 2151 with "Newstalk 95.5" then ads for Billings. (BB-AZ)
 - KUFO **OR**, Portland 10/1 0528 Red Eye Radio, IDs as "Freedom 9-70." (AWP-CA)
 - 990 KRKS **CO**, Denver heard 9/30 at 2100 with "KRKS 990 Denver-Littleton" then SRN News. (BB-AZ)
 - 1040 ?KXPD? **OR**, Tigard 10/5 0630 with soft singing and some Asian talk, no ID, looped N-S. Nothing else seem to fit, can anyone in the PNW confirm this? (AWP-CA)
 - 1150 KSAL **KS**, Salina heard 9/30 at 2255 with "1150 KSAL" then at 2257 "Sports Radio 1150 KSAL." (BB-AZ)
 - 1230 KHSN **OR**, Coos Bay 9/24 0530-0600 had spot for H&R Block office on north Hwy 101 with 541 area code then into sports, call ID at TOH. (AWP-CA)
 - 1240 ?KPOD? **CA**, Crescent City 9/24 0730-50 sports format fairly consistent, finally at 0748 clear reference to Crescent City and the North Coast. (AWP-CA)
 - ?KSUE? **CA**, Susanville 9/24 0935-1005 pre-recorded program on emergency preparedness with no breaks. Did not catch any ID at TOH; ID based on loop bearing and greyline position. The only competition for this and KPOD was KNRY with soft NOS music. (AWP-CA)
 - 1270 KVMI **CA**, Tulare 10/1 0715 running //K248BX Visalia with AC format. ID, even at TOH only as "My 97-5," never mentions Tulare. Radio Locator shows these linked. (AWP-CA)
 - 1340 KTMM **CO**, Grand Junction heard 9/30 at 2130 with "KTMM 1340 Grand Junction." (BB-AZ)
 - 1360 KBUY **NM**, Ruidoso 10/6 dominating 1360, sometimes mixing with KLSD, no sign of local KPXQ. 0030 with classic rock music, numerous "Kay-Buy" slogans, spots for Ruidoso, 0104 legal ID gave call letters. New for me. (JCJ-AZ)

UNIDs

- 1240 UnID 9/24 0630 with Coast to Coast, no local spots or ID. (AWP-CA)
- 1290 UnID 10/1 0730 in Spanish, only ID as "Nueva Preciosa." (AWP-CA)
- 1340 UnID 10/1 1015 apparent religion in Spanish looping N-S. Possibly KPYV Oroville, CA. (AWP-CA)

HELP WITH UnIDs

- 840 Glen Hansen's 9/19 UnID on 840 has to be KMPH Modesto CA. (AWP-CA)
- 1200 Glen Hansen's UnID heard 9/22 is surely KYAA Soquel CA which is near Santa Cruz. (AWP-CA)

I do not ask much of my reporters, but please people make sure you hear an ID before reporting a station to WDXR! Recently I had one reporter submit a logging on 1230 with only "9/24 0515 with nostalgia format." Tips like this will not help anyone. A DXer cannot be certain they heard a particular station, especially on a GY frequency, solely on hearing a particular format. Any station's format might change suddenly without any advance notice. – Nancy 10/7 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 NUIHEric@aol.com
GE Superadio III
- [TMJ-IL] **Tom Jasinski**, Shorewood IL amdxe@core.com
Drake R8A and Quantum Loop
- [TN-WI] **Tim Noonan**, Oak Creek WI DXing2@aol.com
Kenwood R-1000, Radio West Loop

DOWN THE DIAL

- 810 KBHB **SD**, Sturgis. 9/29 in well with country music, but faded down for a weak but readable legal ID into ABC News at 21:00. Surprised to find that this is station coming in. New for me. [TN-WI]
- 870 KJMP **CO**, Pierce. 10/1 good signal with SRS. 07:36 with rock oldies, Colorado weather forecast "on 8-70 with Jim (?? Unreadable musical slogan) followed by "KJMP the Big 87" into more oldies. This was also heard previous few days mixing with WHCU and Cuban time ticker and WWL nulls. Their night power and patters is out of whack. Thanks to **Neil Kazaross** for the tip. [TMJ-IL]
- 930 WLLL **VA**, Lynchburg. 10/1 fair. 01:01 with mention of Gospel and to "tell your friends" before a legal ID. New. [TN-WI]
- 1010 WINS **NY**, New York. 10/3 fair signal, mixing with CFRB in a WHIN null; local KXEN off. 0232 noted with weather forecast, "Your weather station, Ten-Ten Wins" ID, local spots and news. [EB-MO]
- 1310 CIWW **ON**, Ottawa. 10/3 fair to poor signal over other stations. 0239 noted with local spots. [EB-MO]

FLASHBACK

October 16, 1965 issue of "DX Monitor" ... **Jack Paton** of Winnipeg MB had logged 41 states ... **John C Johnson** of Pensacola FL talked about stations on the air all night during Hurricane Betsy. //October 13 1990 issue of "DX Monitor" ... **Tom Jasinski** of Shorewood IL told about the tornado that hit less than 5 miles from his location ... **Rick Dau** of Oakland IA commented on the local weather by explaining "global warming theory seems to have become reality" ... **Mike Sanburn** of Bellflower CA logged CBW finally after 15 years of DXing ... **Frank Aden Jr** of Boise ID mentioned KTOX changed to KUCL.

OPEN MIKE

As Hurricane Matthew is hitting Florida, flashback to 1965 when I was stationed with the US Navy in Pensacola, Florida as Hurricane Betsy hit New Orleans. There was damage in Pensacola, my only experience being close to a hurricane. Perhaps we'll see some DX reported this next week concerning stations special coverage of Matthew. This column was typed 10-7-16. 73, John



EASTERN DX ROUNDUP – **Eric Bueneman (NØUIH)** – 631 Coachway Lane – Hazelwood MO 63042-1347
E-mail: n0uiheric@gmail.com
DEADLINES: Thursday 2000 EL

TUNING THE DIALS THIS ISSUE:

- (JC-AL) **Jerry Cook**, Saraland AL
Japan Radio Corporation NRD-525, Palomar loop
- (KK-VA) **Kraig Krist** (KG4LAC), Manassas VA
Winradio G33DDC software-defined receiver, Wellbrook ALA1530S+ Imperium loop
- (JJR-MI) **John J Rieger**, L'Anse MI
Grundig Satellit 750, Terk AM1000 loop
- (PS-ON) **Paul Snider**, Welland ON, Canada
ICOM IC-R75, Pixel RF Pro-1B loop, MFJ-1020C tuner

ACROSS THE DIAL

- 600 WVAR **WV**, Richwood – 9/25 1955 noted with a Classic Hits format, featuring songs by Arlo Guthrie, Kool and The Gang, Harry Chapin and Peter, Paul and Mary, "This is 600 AM, WVAR" ID at 2000 and a "Mighty 1490" mention at 2016. A poor to very poor signal, mixing with CKAT and probably WICC and WSOM. (PS-ON)
- 610 KCSP **MO**, Kansas City – 10/1 0647 noted with "Kansas City's Baseball and Football Station, 610 Sports Radio" ID. A fair signal was noted with no sign of the usual KDAL. (JJR-MI)
- 680 WCNN **GA**, North Atlanta – 9/30 2236 noted with Atlanta Braves baseball BBP, "680 the Fan" ID. A fair signal with severe fading noted in a WMFS null. (JC-AL)
- 690 KSTL **TN**, Memphis – 9/30 2236 noted with Saint Louis Cardinals baseball BBP. The signal started great, but had severe fading in a WCNN null. (JC-AL)
- MO**, Saint Louis – 9/28 2345 noted with an Urban Gospel music format, "690 KSTL" ID at 2350, "You Want What We Got, 690" mention at 2355, ad for Page Publishing, "KSTL East Saint Louis" quasi-legal ID at 2400. A poor to very poor signal was noted, mostly under a nulled CKGM and an unidentified Spanish station. (PS-ON) (East Saint Louis IL is where the transmitter is located, although the city of license is listed as Saint Louis, MO. They may have been running 1,000 Watts day power instead of 18 Watts night power; they've been stronger here lately – eb)
- 820 WWFD **MD**, Frederick – 10/6 0045 noted with a mix of current hits and Oldies (this sounds like an Adult Hits, or "Jack" format – eb), "WWFD 820 AM" ID at 0106 before fading out. A very poor signal was noted while listening to CHAM and an unidentified talk station mixing. (PS-ON)
- WWLZ **NY**, Horseheads – 10/6 0045 noted with mentions of *The John Batchelor Show*, *Coast-to-Coast AM*, "Talk Radio 820 WWLZ" ID at 0119. I thought for a moment that it was WBAP battling it out with CHAM. A very poor to at times fair signal over CHAM. (PS-ON)
- 920 WMOK **IL**, Metropolis – 10/1 2138 noted with a Country format, "Real Country, WMOK" ID. A good signal was noted; easy to listen to. (JC-AL)
- 940 WYLD **LA**, New Orleans – 10/1 2203 noted with an Urban Gospel music format, "Amen 940, an iHeart Radio Station" ID. A fair signal was noted with fading. (JC-AL)
- 990 WNML **TN**, Knoxville – 10/1 2226 noted with football game results, "WNML, Sports Radio" ID. A poor signal was noted with strong interference from a Spanish language station. (JC-AL) (That station could be XET Monterrey NL, México – eb)
- 1020 WPEO **IL**, Peoria – 10/2 2255 noted on after hours with Christian talk, "97.7 FM" mention in legal ID at 2300 into SRN News, promo or PSA, weather forecast from the WPEO Weather Center, into *Gospel Greats*. A poor at times to very poor signal over KDKA; confirmed via Tune In Internet stream. (PS-ON)
- 1050 WEPN **NY**, New York – 10/6 0026 noted with ESPN Deportes sports talk, "ESPN Deportes Radio" ID into a Heritage for the Blind PSA in Spanish. A fair to poor signal was noted, mostly over CHUM. (PS-ON)
- 1070 WINA **VA**, Charlottesville – 10/4 2135 noted with ads, possible "WINA" ID at 2138 into *The Mark Levin Show*, promo for a festival in Virginia, ad cluster including for the Boce Restaurant (which uses a list of ingredients from VA), Long and Foster Real Estate, Gold Line, mention of Charlottesville, "News Radio WINA" ID at 2159, followed by an ad for the Towns of Stonefield into CBS News. A very poor to at times fair signal was noted, mostly over CHOK. (PS-ON)
- 1100 WHLI **NY**, Hempstead – 10/3 2005 noted with ads, weather forecast into an Oldies format featuring songs from Cher, Clarence "Frogman" Henry and America, "From One Great Song to Another, Hits of a Lifetime, WHLI" ID at 2011, mention of "WHLI-dot-com" at 2014. A poor to very poor signal was noted, but at times quite readable, mostly under WTAM. (PS-ON)
- 1110 WKDZ **KY**, Cadiz – 9/27 2325 noted with announcer giving address, "WKDZ" ID at 2320, into an Oldies format featuring music by Pilot, Supertramp and Styx. A "WKDZ Radio-dot-com" mention was noted at 2332, "1110 WKDZ" ID at 2333. A poor to very poor signal was noted, mixing with WBT. (PS-ON) (The city's name is pronounced "Kay-duz" – eb)
- KFAB **NE**, Omaha – 9/27 2330 noted with *America Now* (confirmed by the Web site), "News Radio KFAB" ID at 2346 and local ads. A very poor signal was noted, mixing with WBT and WKDZ. (PS-ON)
- 1160 WODY **VA**, Fieldale – 9/24 0015 noted with Christian music, "Joy FM" IDs at 0021 and 0025, "Real Music, Real Life, Joy FM" ID at 0044. According to Joy FM-dot-org, they are on 1160 serving nearby Martinsville, and MW List-dot-org says WODY is Joy FM. A poor to very poor signal was noted under WCCS. (PS-ON) (When did they switch from Sports? I apologize to Kraig for questioning his log from last week – eb)
- 1170 KFAQ **OK**, Tulsa – 9/26 2257 noted with a Talk format, Oklahoma State University Cowboys football promo, "Talk Radio 1170" ID at 2259, promo for an incentive program for Tulsa students, "Talk Radio KFAQ Tulsa" legal ID at 2300 into ABC News. A very poor signal was noted, mostly under WWVA. (PS-ON)
- 1200 WMIR **SC**, Atlantic Beach – 10/2 2154 noted with talk from an announcer, "1200 WMIR" ID at 2155, into an Urban Gospel format, "Praise... on the all-new WMIR" ID at 2200 between songs. A very poor to fair signal at times, mostly under CFGO. (PS-ON)
- 1240 WCEM **MD**, Cambridge – 9/27 2210 noted with an Adult Standards format featuring music by Gloria Estefan, Frankie Valli, Little Anthony and The Imperials and Linda Ronstadt, "America's Best Music" mentions, "1240 WCEM" ID at 2219, "Radio 1240" ID at 2225 and "America's Best Music, Radio 1240" ID at 2231. A poor to very poor signal was noted, mixing with other stations. (PS-ON)
- KDLR **ND**, Devils Lake – 10/1 0716 noted with "on KDLR 1240" ID, *WeatherEye* forecast giving a forecast low of 52 degrees and a high of 72, winds out of the southeast at 10 mph and a barometric pressure reading of 29.49 inches, "1240 KDLR, Your Kind of Country" ID into a Country format with a live and local DJ, not via satellite. A poor signal was noted; alone on the channel. (JJR-MI)
- 1260 WRIE **PA**, Erie – 9/26 2220 noted with *Ferrall on the Bench*, "The Score" mention at 2237 (not Score 1260 WSKD), promo for a Job Fair sponsored by Cumulus Media, CBS Sports Radio promos. A very poor signal was noted, mixing with WPHB and other stations. (PS-ON)
- 1270 WHGS **SC**, Hampton – 10/2 2004 noted with a Country format, "Make Your Whole Day Come Alive with Kickin' Country AM 1270" mention by a male announcer. The signal was noted mixing with WCBC, WMPM, WTJZ, and unidentified stations with music, talk and a baseball game. (KK-VA)
- 1280 WSAT **NC**, Salisbury – 10/2 1820 noted with "Bringing Back the Good Times 24/7 on Memories Radio" mention by a male announcer. The signal was noted mixing with WHVR, WJAY and WYAL. (KK-VA)
- WJAY **SC**, Mullins – 10/2 1845 noted with sign-off by a male announcer. The signal was noted mixing with WHVR, WSAT and WYAL. (KK-VA)
- 1300 WMTN **TN**, Morristown – 10/5 1935 noted with a Country format, "From the WMTN Weather Center" mention by a male announcer. The signal was noted mixing with WJZ, WKCY, WXRL and an unidentified Oldies station. (KK-VA)

- 1360 WDRC **CT**, Hartford – 9/23 2307 noted with an ad for a dental practice giving a phone number in Area Code 860, *The Lars Larson Show*, ad cluster including Life Lock, a video doorbell and health insurance, and a promo mentioning “The Talk of Connecticut”. A very poor signal was noted, mixing with other stations, including probably WKYO and WYOS. (PS-ON)
- 1390 WEED **NC**, Rocky Mount – 10/2 2110 noted with an Urban Gospel music format, “Joy 1390” ID clearly heard at 2115. A poor to very poor signal was noted; quickly buried by WSPO. (PS-ON)
- 1410 KLEM **IA**, Le Mars – 10/1 0708 noted with mentions of “on business loop in Le Mars” and “in Sioux Land”, weather forecast, sunrise and sunset times for Le Mars. A poor signal was noted; alone on the channel with no sign of WIZM. (JJR-MI)
- WING **OH**, Dayton – 9/25 2125 noted with Chicago Bears vs. Dallas Cowboys football PBP, “ESPN 1410 WING AM” ID at 2139, ad cluster at 2146 with Geico Insurance and NAPA Auto Parts and ESPN promos. A fair to very poor signal was noted, mixing with CJWL. (PS-ON)
- 1450 WHTC **MI**, Holland – 10/3 2255 taking a second stab at identifying my unidentified Oldies station on this frequency. “WHTC Holland” ID at 2300. A very poor signal was noted, mixing with other stations. (PS-ON)
- WKIP **NY**, Poughkeepsie – 10/1 2250 heard while trying to identify an Oldies station (possibly WKLA); “1450 WKIP” ID at 2250, some talk before fading out. A very poor signal was noted, mixing with other stations including possibly WQNT. (PS-ON)
- 1490 KUGR **WY**, Green River – 10/1 0800 noted with end of PSA, “KUGR Green River, Wyoming” jingle legal ID into CBS News. The signal faded in four minutes; a new log in L’Anse. A poor signal was noted; alone on the channel. (JJR-MI)
- 1570 WNCA **NC**, Siler City – 9/23 2150 noted with sports PBP, “on 1570 WNCA Siler City” legal ID at 2200. A fair to very poor signal was noted, mixing with other stations. (PS-ON)
- 1580 WJFK **MD**, Morningside – 9/25 1858 noted with an ad cluster including Direct Tax and a moisture control company, “CBS Sports Radio 1580” ID at 1900, CBS sports news and promo, “CBS Sports Radio” IDs. A fair to very poor signal was noted, fighting with CKDO. (PS-ON)
- 1700 KVNS **TX**, Brownsville – 10/1 0702 noted with Fox Sports Radio from the Geico Studios; this is the only fit. A poor signal was noted, way under KBGG. (JJR-MI)

EDITOR’S NOTES

Thanks to Jerry, John, Kraig and Paul for their logs! 73 and good DX from NØUIH



DX WORLDWIDE – WEST – Patrick Martin – PO Box 843 – Seaside OR 97138
E-mail: mwdxer@webtv.net all times UTC

Mondays 1201 PM PLT. All times UTC/GMT.

TRANS-PACIFIC DX ROUNDUP

- 549 **AUSTRALIA**, 2CR, Orange. ABC news fanfare at 1300 10/4. (NP-AB)
- 558 **UnID**. Music in passing 1350 10/4. (RCN-BC)
- 567 **JAPAN**, JOIK, Sapporo, NHK1. 1342 10/5 weak signal with man in Japanese. (DV-WA)
+Barely audible Japanese talk at 1219 10/10. (RA-OK)
- NEW ZEALAND**, Wellington, Radio NZ National. Time pips at 1300 10/4, and then a few bits of the news that followed. (NP-AB)
- UnID**. English talk and features 1334 10/4. (RCN-BC)
- 576 **AUSTRALIA**, 2RN, Sydney. Time pips and ABC news fanfare at 1100 10/4. (NP-AB)
+1404 10/5 guessing to be the station with man in DU English. (DV-WA)
- 585 **UnID**. Music and such like 1352 10/4. (RCN-BC)
- 594 **JAPAN**, JOAK, Tokyo, NHK1. Assumed the brief Japanese speaker that reared its bloodied head before gurgling and sinking below the auroral mist 1350 10/4. (RCN-BC)
+1311 10/5 fair signal with woman in Japanese. (DV-WA)
+1336 10/7 fair signal with woman in Japanese. (DV-WA)
+Very weak, with a few syllables of Japanese now and again just prior to 1200 10/8, and noted the time pips on the hour. (NP-AB)
+Barely audible talk @ 1227 10/9 (LSR 1233). (RA-OK)
+(JOAK?) trace of signal at 1155 10/10 and again at 1222. (RA-OK)
+1322 10/10. (SR-AZ)
+Traces of Japanese heard at 1326 10/10, but that was as good as it got. (NP-AB)
+1332 10/10 very weak with man in Japanese. (DV-WA)
UnID. Poor/weak 1327 10/6. (SR-AZ)
+Very poor 1328 10/7. (SR-AZ)
- 603 **NEW ZEALAND**, Manukau, Radio Waatea. Assume the awesome Island music and native talk at various times between 1336 and 1400 10/4. (RCN-BC)
- REP KOREA**, HLSA, Seoul, KBS2. 1345 10/5 weak signal on splatter free channel. Male speaker. (DV-WA)
+1336 10/10 fair signal with man singing. (DV-WA)
UnID. Trace of signal at 1231 10/10. (RA-OK)
- 612 **AUSTRALIA**, 4QR, Brisbane. Missing at the hour, but fair with ABC news by 1203 10/4. (NP-AB)
+Spanking the channel and everything around it //774 and 792 at various times. 1330-1410 10/4. (RCN-BC)
+Man talking at 1333 10/6. (NP-AB)
+Traces of talk at 1335 10/10. (NP-AB)
UnID. (4QR?) Het @ 1203 10/4 in KCSP and XEGS-610 slop. (RA_OK)
- 621 **AUSTRALIA**, 3RN, Melbourne. Assuming the English speaker that sounded decidedly //612 on the 1/2 hour 1330ish 10/4. (RCN-BC)
- 639 **CHINA**, CNR1. 1411 10/10 fasting talking woman in Chinese? good signal followed by man. (DV-WA)
- JAPAN**, JOIP, Oita, NHK1. 1409 10/5 weak signal //594. (DV-WA)
+1408 10/10 assuming the station with weak signal. (DV-WA)
- 640 **ALASKA**, KYUK, Bethel. 1400 10/10 weak signal with NPR TOH news. KFI faded out. Would be new station with ID. (DV-WA)
- 657 **DPR KOREA**, Pyongyang, Pyongyang BS. 1404 10/10 good, best signal of season here. Women comrades singing. (DV-WA)
- NEW ZEALAND**, Tauranga, 'Star'. EZL music at 1324 10/4. (NP-AB)
+After everything else was gone this one came up to a fair level briefly at sunrise with a vocal by a woman at 1339 10/9. Confirmed //webstream. (NP-AB)
- 666 **JAPAN**, JOBK, Osaka, NHK1. 1401 10/10 fair signal briefly with man in Japanese. (DV-WA)
- 684 **UnID**. Weak, with man talking at 1319 10/6. (NP-AB)
- 693 **JAPAN**, JOAB, Tokyo, NHK2. 1411 10/5 good signal with English lessons. "He's afraid of Blow Fish. (DV-WA)
+Weak het @ 1223 10/9 in KGGF-690 QRM. (RA-OK)
+1255 10/10 fair signal with woman in Japanese. (DV-WA)
+Woman in Japanese at 1334 10/10, poor level. (NP-AB)
UnID. Faint talk in CBU splash 1328 10/5. (bp-WA)
+Very poor/poor 1327 10/6. (SR-AZ)
- 702 **AUSTRALIA**, 2BL, Sydney. Man talking at 1251 10/4 //738. (NP-AB)
+10/4 2nd loudest Aussie with stereotypical programming. (RCN-BC)
+1328 10/5 Weak with splatter. Man in DU English. (DV-WA)
UnID. (probably 2BL) het @ 1158 10/4, UnID XE splatter. (RA_OK)
+Faint carrier at 1227 10/10. (RA-OK)
- 729 **AUSTRALIA**, 5RN, Adelaide. Peaked at 1315 10/4 with music. (NP-AB)
+t assume the English talker – fair to good at times with deep 730 null 1356-1410 10/4. (RCN-BC)
- 737 **UnID**. At 1325 10/4 the ABC was still there, but a second station playing music was about even with them. Possibly Magic from NZ? (NP-AB)

- 738 **AUSTRALIA**, 2NR, Grafton. ABC news fanfare at 1200 10/4. Heard Tahiti audio last night but not this morning. (NP-AB)
 +1415 10/5 weak signal, assuming the station with DU English male speaker talking to man on phone. (DV-WA)
 +Woman and man conversing at 1251 10/6. (NP-AB)
 +The winner at 1410 10/6 into Victoria is 738 with English, presumably 2NR Grafton. Often at good levels, and //to other Australian outlets. All heard on my West corner fed loop, well over the ALA that was best yesterday. (WS-BC)
 +DU English discussion of a wineglass during Teletalk program at 1404 10/7; first reception here in Puyallup
<https://app.box.com/s/tae4n1d4danb1lnfsz1vz3jrnzssza>. (GDB-WA)
FRENCH POLYNESIA, Papeete, Radio Premère Polynésie. Heard at 0553 10/4 this evening with women singing. Followed by man singing. Both pop songs. Heavy domestic splatter, but signal fair at times. Woman in French at 0600. (DV-WA)
 +French vocal music at fairly good level at 0604 10/5; recorded on 737 (because of enhanced San Francisco splatter)
<https://app.box.com/s/3s5pzy6drmpkubrwj8mbbpbkvwtnujqf>. (GDB-WA)
UnID. (Tahiti?) het @ 1134 10/4, unID XE and KRMG-740 splatter. (RA-OK)
 +(BEL2?) Two elderly males mumbling in unknown language at fairly good level (in some noise) around 1357 10/6 – Chinese?
<https://app.box.com/s/wvrbg9863vymmxrj54pcyru1bdp6xjnl>. (GDB-WA)
- 747 **JAPAN**, JOIB, Sapporo. NHK2. Japanese woman 1342 10/5. (bp-WA)
 +1341 10/7 fair signal with KXTG splatter. Woman in Japanese. (DV-WA)
 +1357 10/8 fair signal with man in Japanese. Heavy KXTG splatter. (DV-WA)
 +Poor-to-fair woman talking at 1150 10/10. (RA-OK)
UnID. Very poor/poor 1329 10/7. (SR-AZ)
- 756 **NEW ZEALAND**, Auckland, RNZ National. Time pips, then news by woman at 1100 10/4. (NP-AB)
 +or **AUSTRALIA**. Either or with very nice jazz music 1350 10/4. (RCN-BC)
- 765 **JAPAN?** 1415 10/10 fair signal briefly with music. (DV-WA)
UnID. 1333 10/5 very weak with singing and man talking. (DV-WA)
- 774 **AUSTRALIA**, 3LO, Melbourne. Time pips, ABC news at 1200 10/4 by a man. (NP-AB)
 +English at 1351 10/4 and News //612 at 1402 Very good levels at times. (RCN-BC)
 +Time pips, ABC news at 1200 10/5 by a man. (NP-AB)
 +Poorer in comparison to the other Aussies this morning, with talk by man at 1312 10/6. (NP-AB)
 +Some talk at 1248 10/7. (NP-AB)
 +Few words now and again at 1255 10/8. Gone before 1300. (NP-AB)
 +Poor, with man talking at 1311 10/9. (NP-AB)
JAPAN, JOUB, Akita, NHK2. 1305-1308 10/5 fair to good signal. Woman in Japanese. Heavy KXTG splatter. (DV-WA)
 +Woman talking 1347 10/5. (bp-WA)
 +1323-1325 10/7 good signal with man in Japanese. (DV-WA)
 +1336 10/8 good signal with man in Japanese. Still good at 1407. (DV-WA)
 +Poor talk briefly @ 1212 10/9. (RA-OK)
 +Poor 1327 10/9. (SR-AZ)
 +Barely audible at 1037 10/10; fair at 1151; audible on barefoot PL-380 at 1225. (RA-OK)
 +First heard 1216 10/10, still barely heard 1346. (SR-AZ)
 +Woman and man presenting English lesson at 1228 10/10. Fair level, approaching good on occasion. (NP-AB)
 +1301 10/10 fair signal with man in Japanese. Good @ 1324. (DV-WA)
 +Heard at 1317 10/10 with talk. (BB-AZ)
UnID. Very poor/poor 1329 10/7. (SR-AZ)
- 792 **AUSTRALIA**, 4RN, Brisbane, ABC National. First heard poorly at 1100 10/4 with pips and news fanfare. Fair with ABC news at 1203. (NP-AB)
 +English news //612 at 1403 10/4. (RCN-BC)
 +Caught the ABC news fanfare through the splatter at 1300 10/6. (NP-AB)
 +Traces of audio at 1336 10/10. (NP-AB)
- 801 **UnID**. Near audio at 1355 10/4 – worth watching in the future. (RCN-BC)
- 819 **NEW ZEALAND**, Tauranga, Radio NZ National. Just like 567, with time pips at 1300 10/4, and bits of the news that followed. (NP-AB)
- 828 **AUSTRALIA**, 3GI, Sale. Strongest of the Australians at 1100 10/4 with time pips, fanfare and news by man. (NP-AB)
 +ABC news fanfare at 1200 10/5. (NP-AB)
JAPAN, JOBB, Osaka, NHK2. 1335 10/5 very weak signal //774. Good at 1352. (DV-WA)
 +1343 10/8 fair signal with man Japanese. (DV-WA)
 +Het with barely audible to poor talk @1219-1222 10/9 in WCCO-830 QRM. (RA-OK)
 +1302 10/10 weak signal //774. (DV-WA)
 +Poor talk in het at 1214 10/10. (RA-OK)
 +Poor-fair with English lesson at 1228 10/10, //774. (NP-AB)
- 837 **UnID**. Traces of woman caller talking to male host at 1335 10/6. (NP-AB)
- 846 **AUSTRALIA**, 2RN, Canberra. Time pips, ABC news fanfare at 1300 10/4. (NP-AB)
- 855 **AUSTRALIA**, 4QO/4QB, Eidsvold/Pialba, ABC. Time pips, ABC news fanfare at 1300 10/4. (NP-AB)
 t **DPR KOREA**, Sangwon, Pyongyang Bangsong. 1338 10/5 weak signal with KPAM splatter. Man talk in Asian language. //657 just het. (DV-WA)
- 873 **JAPAN**, JOGB, Kumamoto, NHK2. 1332 10/7 very weak //774. (DV-WA)
 +1304 10/10 very weak //774. (DV-WA)
- 882 **NEW ZEALAND**, Auckland, 'Star'. Vocal by a man at 1324 10/4, //657. (NP-AB)
UnID. Very poor 1330 10/7. (SR-AZ)
- 891 **AUSTRALIA**, 5AN, Adelaide. Not that good this morning considering the good conditions, but had a peak around 1315 10/4 with interview. (NP-AB)
 +t assuming the Aussie leaning English news at good levels at 1354 10/4. (RCN-BC)
 +Talk by man at 1317 10/5. Bucking the trend, this one was at least as good as yesterday. (NP-AB)
 +Woman and man talking at 1310 10/6, promo for an ABC pgm. (NP-AB)
 +1354 10/5 fair signal. Assuming the station with two men in DU English. (DV-WA)
 +Aussie talk very poor/poor 1330 10/8. (SR-AZ)
UnID. Too weak to tell language, probably Asian 1324 10/10. (SR-AZ)
- 909 **UnID**. English programming at 1405 10/4 at good levels. (RCN-BC)
- 936 **UnID**. Reached audio briefly with slow song by a woman at 1326 10/4. (NP-AB)
 +1357 10/5 very weak with man in ? language. Moderate splatter. (DV-WA)
- 972 **REP KOREA**, HLCA, Dangjin. 1310 10/5 fair signal with music. KUFO splatter. (DV-WA)
 +Very good level Korean female and male speech at 1347 10/5, but certainly could use some freedom from "Freedom 970"
<https://app.box.com/s/cbdx1azy9sj297vgbm99fz4uhregsfr0>. (GDB-WA)
 +Korean woman 1353 10/5. (bp-WA)
 +Heard at 1322 10/9 with two or three words and very poor signal. (BB-AZ)
 +1325 10/10. (SR-AZ)
 +Poor 1328 10/9. (SR-AZ)
 +1325 10/10 poor signal with some music heard. (DV-WA)
 +1338 10/8 fair signal with music. (DV-WA)
UnID. Very poor 1331 10/7. (SR-AZ)

- 981 **UnID**. Man talking at 1128 10/4. Pretty certain it was //1116. (NP-AB)
 +Traces of woman talking at 1302 10/6, and a bit better with man talking 1306-1310. Not //1116 at that point. (NP-AB)
- 999 **UnID**. Traces of talk by a man at 1325 10/4. (NP-AB)
- 1017 **UnID**. Traces of woman talking at 1101 10/4. (NP-AB)
- 1026 **NEW ZEALAND**, Newstalk ZB. Talk program, //1035 at 1325 10/4. (NP-AB)
UnID. Traces of music at 1306 10/6, and up again at 1323 with another minute or so of EZL music. Aussie-accented ads at 1331. 4MK? (NP-AB)
- 1035 **NEW ZEALAND**, Wellington, Newstalk ZB. Commercial for a holiday tour company at 1324 10/4. (NP-AB)
- 1053 **NEW ZEALAND**, New Plymouth, Newstalk ZB. Host talking to a female caller at 1330 10/4, //1035. New one for me. (NP-AB)
REP KOREA, jammer. 10/4 raised its angry fist occasionally before being swallowed by an auroral induced miasma. (RCN-BC)
 +1322 10/5 jammer fair signal alone on channel. (DV-WA)
 +1359 10/5. (bp-WA)
- 1098 **NEW ZEALAND**, Christchurch, Newstalk ZB. Talk by a man. Briefly stronger than //1035 at 1316 10/4. New, after a few tentative logs. (NP-AB)
- 1116 **AUSTRALIA**, 4BC, Brisbane. Weak earlier, but had come up with talk about politics at 1122 10/4. (NP-AB)
 +Usual talk program discussion at 1252 10/6. (NP-AB)
 +Talk by a man at 1215 10/7. (NP-AB)
 +Poor, with talk by a man at 1306 10/8. (NP-AB)
 +Traces of talk by man at 1302 10/9. (NP-AB)
 +Poor, with Aussie-accented man talking at 1256 10/10, improving to fair with phone-in caller at 1310. (NP-AB)
UnID. (4BC?) barely audible man talking, fading in and out from 1215-1234 10/4, slight QRM from KEOR-1120 after 1230. (RA_OK)
- 1134 **JAPAN**, JOQR, Tokyo. Fast-paced Japanese male-female conversation at 1402 10/7 <https://app.box.com/s/0aihckg4m4lwnp0ruzc718b2d95halue>.
 (GDB-WA)
 +1422 10/10 weak signal with women laughing. (DV-WA)
UnID. Female pop music 1326 10/10. (SR-AZ)
- 1179 **UnID**. Music 1327 10/10. (SR-AZ)
- 1188 **UnID**. Very weak, with music at 1314 10/4. (NP-AB)
- 1233 **AUSTRALIA**, 2NC, Newcastle. Time pips and ABC news fanfare at 1100 10/4. First definite log of this one here. (NP-AB)
- 1251 **UnID**. Traces of music at 1230 10/4. (NP-AB)
- 1287 **JAPAN**, JOHR, Sapporo, HBC. Japanese woman 1350 10/5. (bp-WA)
UnID. Very poor/poor in heavy splatter 1330 10/6. (SR-AZ)
- 1296 **NEW ZEALAND**, Hamilton, Newstalk ZB. After being a solid carrier for much of the morning finally had some audio at 1316 10/4, with two men conversing.
 //1035. Another new one. A second decent carrier on 1296.02 never quite made audio. (NP-AB)
- 1386 **NEW ZEALAND**, Auckland, Radio Tarana. Very weak, with talk by man at 1101 10/4. Stronger at 1314 with south Asian music, and even good at 1330 with woman in presumed Hindi. (NP-AB)
- 1422 **UnID**. Bits of talk 1358 10/5. (bp-WA)
- 1458 **UnID**. Came up for a couple of minutes with EZL music at 1209 10/4. (NP-AB)
- 1494 **UnID**. Traces of music at 1316 10/4. (NP-AB)
- 1503 **JAPAN**, JOUK, Akita, NHK1. 1417 10/10 weak with man in Japanese. (DV-WA)
UnID. Weak, with man and woman speaking alternately at 1204 10/4. (NP-AB)
- 1548 **AUSTRALIA**, 4QD, Emerald. Woman talking at 1231 10/5, Fair during ABC news at 1300. (NP-AB)
 +Good signal level, but still could only hear bits of man talking at 1250 10/6 during to super strong 1550 signal. (NP-AB)
- 1566 **REP KOREA**, HLAZ, Jeju, FEBC. 1315 10/5 good signal with music and man in Japanese. (DV-WA)
 +Piano music and Japanese woman 1328 10/5. (bp-WA)
 +Exceptional medium/loud level for several minutes 1331 10/6. Second weaker station faded up briefly playing pop music 1334. HLAZ finally faded around 1345. (SR-AZ)
 +Medium/loud 1332 10/7 finally fading 1345. (1247 medium). (SR-AZ)
 +1335 10/7 good signal with men choir. (DV-WA)
 +1325 10/8, fading 1345, good at times. (SR-AZ)
 +1346 10/8 in and out weak signal with female speaker. (DV-WA)
 +Weak on peaks 1235-1342 10/9. (SR-AZ)
 +Organ music, hymn at 1316 10/9. First time this one's made it to audio in 2 weeks. (NP-AB)
 +Heard at 1318 10/9 with music and good signal. (BB-AZ)
 +Fair in Japanese, with man giving FEBC ID at 1230 10/10. (NP-AB)
 +1306 10/10 fair signal with woman in Japanese. Good @ 1329. (DV-WA)
 +Weak/medium on peaks 1329 10/10. (SR-AZ)
DPR jammer. All alone at fair level (in and out) without HLAZ at 1256 10/7; during peaks two different buzzing tones can be heard every two seconds (headphones recommended) <https://app.box.com/s/4z6y6dt2lorchwew5rqz4d94i5i0rxb0>. (GDB-WA)
 +Strange buzzing-bee pulser managing fair peaks at 1355 10/10 over a very anemic HLAZ (headphones recommended) <https://app.box.com/s/ff1sldzil838rgy5vcazmtkzeeuw>. (GDB-WA)
- 1611 **UnID**. Traces of man talking at 1314 10/5. (NP-AB)
 +1611.00 DU very poor mumbled audio, someone talking, 1330-1340 10/9. (SR-AZ)
- 1683 **UnID**. Poor het 1333 10/9. (SR-AZ)

PAN AMERICAN DX ROUNDUP

1300 **MÉXICO**, XEP, Ciudad Juárez, Chih. 10/5 9:42 PM PDT songs and "Radio Mexicana" slogan, 10:02 ToH ID mentioned Radiorama. (MF-CA)

THANKS TO THESE REPORTERS

- DV-WA **DENNIS VROOM**, Kalama WA
 JRC NRD 545 + Drake R8B, 1) NW ewe, 2) SW ewe, 3) Long wire, 4) Random wire, 5) Bog NW 280'
- GDB-WA **GARY DeBOCK**, Puyallup WA
 7.5" loopstick C.Crane Skywave + 15" FSL antenna, Stand-alone 3" FSL Tecsun PL-380
- MF-CA **MARTIN FOLTZ**, Mission Viejo CA
 Sony SRF-M37W
- NP-AB **NIGEL PIMBLETT**, Dunmore AB
 Perseus SDR with a Wellbrook Phased Array
- RCN-BC **R COLIN NEWELL**, Victoria BC
 Drake R8/AOR 7030+, W/NW Flag with FLG100 Wellbrook Head and "Newell made" Remote VACTROL and ALA100 (N-S)
- RA-OK **RICHARD ALLEN**, near Perry OK
 C Crane Skywave and Tecsun PL-380 with an 8-inch FSL antenna.
- SR-AZ **STEVE RATZLAFF**, near Sahuarita AZ
 R75; 140' west DKAZ + FLG-100
- WS-BC **WALT SALMANIW**, Victoria BC
 Perseus SDR. AOR 7030+. 2 ALA 100 and 2 corner fed loops
- bp-WA **BRUCE PORTZER**, Seattle WA
 Elad FDM-S2, K9AY antenna



Deadline – Sunday Midnight Central Time

*** PAN-AMERICAN DX ***

- 530 **CUBA** Radio Rebelde, Guantanamo. SEP 6 0059 – Public address by man //670 et al. mixed with Radio Enciclopedia. [Connelly*Y-MA]
CUBA CMBQ, Radio Enciclopedia, La Habana. SEP 6 0100 – Radio Enciclopedia ID by woman, slight reverb; mixed with Rebelde synchro. [Connelly*Y-MA]
- 540 **CUBA** Radio Rebelde, Sancti Spiritus. SEP 6 0101 – News, 9-note sounder, splash effects //670; mixed with 2 or 3 other Latin Americans and presumed WFLF. [Connelly*Y-MA]
- 550 **PUERTO RICO** WPAB, Ponce. SEP 6 0100 – Spanish news by man mentioning Ponce and San Juan; mixed with Radio Rebelde and other Latin Americans. [Connelly*Y-MA]
- 560 **CUBA** Radio Rebelde, Ciego Avila. SEP 6 0101 – 9-note sounder, splashes //670; mix with jumble of WFIL, WQAM, (nulled) WGAN. [Connelly*Y-MA]
- 570 **CUBA** Radio Reloj, Arroyo Arenas. SEP 6 0100 – Pip, "Radio Reloj desde la Habana, Cuba" ID by man; mixed with WMCA. [Connelly*Y-MA]
- 580 **CUBA** Radio Rebelde, Mabujabo. SEP 6 0101 – 9-note sounder //670; under WKAQ. [Connelly*Y-MA]
PUERTO RICO WKAQ, San Juan. SEP 6 0101 – WKAQ Cinco Ochenta ID; over Cuba. [Connelly*Y-MA]
- 590 **CUBA** Radio Musical Nacional, La Julia. SEP 6 0101 – Classical piano; mixed with WEZE and Rebelde. [Connelly*Y-MA]
CUBA CMHI, Radio Rebelde, Santa Clara. SEP 6 0101 – 9-note sounder, woman with news, splashes //670; mixed with WEZE and Musical Nacional. [Connelly*Y-MA]
- 600 **CUBA** CMKV, Radio Rebelde, Urbano Noris. SEP 6 0101 – Rebelde with news //670; loud, over WYEL-PR and presumed HJHJ/WICC. [Connelly*Y-MA]
PUERTO RICO WYEL, Mayaguez. SEP 6 0100 – Puerto Rico newstalk //580 WKAQ; under Cuba. [Connelly*Y-MA]
- 610 **COLOMBIA** HJKL, La Cariñosa, Bogotá. SEP 6 0100 – 5-note chime-like signal, excited Spanish talk; in dogfight with WIOD, WTEL, Rebelde. [Connelly*Y-MA]
- 620 **CUBA** Radio Rebelde, Colon/Moa. SEP 6 0101 – Rebelde 9-note sounder, man with "Las Noticias" mention, talk by woman, splash sounds //670; over WSNR. [Connelly*Y-MA]
- 630 **PUERTO RICO** WUNO, NotiUno, San Juan. SEP 6 0100 – "NotiUno Seis Treinta San Juan" ID getting through well during short pause in WPRO audio. [Connelly*Y-MA]
- 640 **CUBA** Radio Progreso synchros. SEP 6 0100 – Female Spanish pop vocal //650 across top-of-hour; good/dominant. [Connelly*Y-MA]
VENEZUELA YVQO, Union Radio, Puerto La Cruz. SEP 6 0001 – Union Radio ID; mixed with Cuba. [Connelly*Y-MA]
- 650 **CUBA** Radio Progreso synchros. SEP 6 0100 – Pop female vocal //640, some wobbling; mixed with HJKH. [Connelly*Y-MA]
MÉXICO XETNT, Los Mochis, Sin. OCT 3 0336 – 'La Hora Nacional' talking about Facebook; audible with WSM nulled, and peaks from SW, so very likely XETNT, with that state's addendum to the national LHN. There are nine other XEs on 650, but it seems XETNT is the only one I ever hear. There is a beep as transition every minute or so, outro segment as having come from La Suprema Corte de la Nación, why? 0338 into song, and now I am hearing the same music under KCSP on 610, ie sibling station in Guasave, Sinaloa, XEGS. [Hauser-OK]
- 670 **CUBA** CMQ, Radio Rebelde, Arroyo Arenas. SEP 6 0101 – Rebelde 9-note sounder, splashes, news by woman; huge, way over WWFE. [Connelly*Y-MA]
- 680 **PUERTO RICO** WAPA, San Juan. SEP 6 0101 – Fast-talk Spanish man and woman Puerto Rican news; under WRKO. [Connelly*Y-MA]
- 690 **COLOMBIA** HJCZ, W Radio, Bogotá. SEP 6 0102 – W Radio en Colombia ID; over Cuba. [Connelly*Y-MA]
CUBA Radio Progreso, Jovellanos. SEP 6 0059 – Female vocal //640; mixed with HJCZ. [Connelly*Y-MA]
- 700 **COLOMBIA** HJCX, W Radio, Cali. SEP 6 0100 – W Radio ID, promos/adverts; good. [Connelly*Y-MA]
MÉXICO XEGD, La Poderosa de Parral, Chih. OCT 5 0559 – romantic music in Spanish from SW, hardly any WLW to compete from opposite direction. 0600 into brief choral NA, 0601 full ID for 25 kW on 90.3, 5 kW on 700, street address, phone numbers from "XEGD, La Poderosa de Parral", Chihuahua. [Hauser-OK]
- 710 **CUBA** Radio Rebelde synchros. SEP 6 0101 – Talk by man and woman, 9-note sounder, man "Las Noticias", news by woman; huge, trouncing WOR. [Connelly*Y-MA]
- 720 **UnID?** SEP 6 0100 – Initially a jumble of stations, then female Spanish folk religious vocal atop, ran beyond 0102 end of capture, probably Nicaragua. [Connelly*Y-MA]
- 730 **COLOMBIA** HJCU, Cadena Melodia, Bogota. SEP 6 0102 – Melodia mention, accordion music; under Cuba. [Connelly*Y-MA]
CUBA Radio Progreso, La Fe. SEP 6 0059 – Female vocal //640; dominant. [Connelly*Y-MA]
- 740 **MÉXICO** XEQN Torreón, Chih. OCT 3 0350 – same cantante segment as just heard on 780 from 'Coahuila en la Hora Nacional', so this is XEQN, 10/1 kW – and the one making that horrible low audible heterodyne against KRMG Tulsa, which is overridden when nulled as much as possible. Take that, Rush repeat! They can't get enough of KRMG. [Hauser-OK]
- 750 **VENEZUELA** YVKS, RCR, Caracas. SEP 4 0101 – Mentions of Venezuelan cities including Carabobo, Valencia.
+SEP 6 0100 – Venezuelan political speech; over Cuba, WSB. [Connelly*Y-MA]
- 760 **COLOMBIA** HJAJ, RCN, Barranquilla. SEP 4 0100 – Excited sports shouting //770 HJXX. [Connelly*Y-MA]
- 770 **COLOMBIA** HJXX, RCN, Bogotá. SEP 4 0100 – Man with fast excited sports talk //760 HJAJ; mixed with Cuba, WABC. [Connelly*Y-MA]
CUBA Radio Rebelde, Victoria de las Tunas. SEP 6 0101 – 9-note sounder, splashes; under WABC. [Connelly*Y-MA]
- 780 **MÉXICO** XEWGR, Monclova, Chih. OCT 3 0341 – with WBBM nulled, discussion of Lucha Libre [fake wrestling], masks, etc, 0346 ending this segment, 0347 ID as "Coahuila en la Hora Nacional", on to a segment about a cantante, Luis somebody who is really from Matamoros, Tamaulipas, but never mind that off-topic. The only Coahuilan on 780 is: XEWGR, 10000/250 watts. [Hauser-OK]
VENEZUELA YVMN, Radio Coro, Coro. SEP 6 0102 – Coro ID, jingles; fair. [Connelly*Y-MA]
- 790 **CUBA** Radio Reloj, Pinar del Rio and Holguin. SEP 6 0101 – Reloj ticks, beeps; under WPRV, WAXY. [Connelly*Y-MA]
- 800 **BONAIRE** PJB, TransWorld Radio, Kralendijk. SEP 6 0100 – Radio Transmundial ID by woman, then Spanish male preacher; over WSVS C&W music. [Connelly*Y-MA]
- 810 **BAHAMAS** ZNS3, Freeport. SEP 6 0058 – Atop with calypso song about spending all your money. [Connelly*Y-MA]
- 820 **CUBA** CMDE, Radio Reloj, Contramaestre. SEP 6 0059 – Reloj RR beeps in jumble with WNYC and other Latin Americans. [Connelly*Y-MA]
MÉXICO XEABCA, Mexicali, BCN. Oct 8 at 1228, romantic music in Spanish from west, familiarly from XEABCA Mexicali BCN, with hardly any WBAP now. [Hauser-OK]
- 860 **BRAZIL** ZYJ459, Radio CBN, Rio de Janeiro. SEP 6 0058 – Two men in Portuguese conversation; briefly dominant. [Connelly*Y-MA]
CUBA Radio Reloj, Jovellanos. SEP 6 0102 – Reloj RR beeps; over Brazil. [Connelly*Y-MA]
- 860 **MÉXICO** XEZOL, Juárez, Chih. OCT 8 1217 – Spanish talk about car theft rates in different states, 1219 TC for 6+, so in MDT zone, another TC, "información nacional". Loops SW. Ergo Chihuahua or Sinaloa: more likely XEZOL, news format, 1000/500 watts, than XENW, Culiacán, variety format, 1000/250 watts. Anyway, KKOW not really showing up yet, not even for polka-time circa 1227. Our sunrise today: 1233. [Hauser-OK]
- 900 **CUBA** Radio Progreso. SEP 6 0100 – Female vocal //640; dominant. [Connelly*Y-MA]
+OCT 8 0154 – historical talk in Spanish about Cuba mixing with ad in English for a .ca website. Therefore I am getting 50 kW Radio Progreso from way off in San Germán, Holguín (with //890, 200 kW in closer Chambas, Ciego de Ávila blocked by WLS which I am not trying to null); and, 50 kW CHML Hamilton, Ontario (likely rather than CKBI Prince Albert, Saskatchewan, a rarity here). One could easily be getting Mexican or lots of little US stations on 900 too, for four countries at once. [Hauser-OK]
- 910 **CUBA** Radio Cadena Agramonte, Camaguey. SEP 4 0101 – Radio Cadena Agramonte ID; over jumble. [Connelly*Y-MA]
VENEZUELA YVRQ, Caracas. SEP 6 0102 – Venezolana mentions, doorbells; over jumble. [Connelly*Y-MA]
- 940.07 **UnID?** SEP 6 0100 – Growl, not much audio. [Connelly*Y-MA]
- 950 **CUBA** Radio Reloj, La Habana and Mayari Arriba. SEP 6 0059 – Reloj beeps; under WKDN, others. [Connelly*Y-MA]
- 950.51 **UnID?** SEP 4 0100 – Weak off-channel het. [Connelly*Y-MA]
- 960 **CUBA** Radio Reloj, Guantanamo. SEP 6 0059 – Reloj beeps, ticks; under WELI. [Connelly*Y-MA]
- 990 **CUBA** Radio Guama, Pinar del Rio. SEP 6 0059 – Telco-grade Spanish talk by man; mixed with WNTP. [Connelly*Y-MA]
- 1000 **CUBA?** SEP 6 0100 – Wobblers; in IBOC hash. [Connelly*Y-MA]

- 1030 **ARGENTINA** LS10, Radio del Plata, Buenos Aires. SEP 3 0100 – Radio Noticias del Plata ID getting through WBZ. [Connelly*Y-MA]
 1100 **COLOMBIA** HJAT, CARACOL, Barranquilla. SEP 4 0059 – Fast talk mentioning Bucaramanga; mixed with WTAM. [Connelly*Y-MA]
 1140 **CUBA** CMBF, Radio Musical Nacional, Santa Clara. SEP 6 0102 – Classical music //590; mixed with other Cubans, WRVA, WQBA. [Connelly*Y-MA]
 1180 **CUBA** Radio Rebelde synchros. SEP 6 0101 – Very echoey Rebelde news, sounder, splashes; over other Latin American or Radio Marti.[Connelly*Y-MA]
 1210 **CUBA** Radio Rebelde, VC Jobabo. SEP 6 0101 – 9-note sounder; under WPHT. [Connelly*Y-MA]
 1570 **MEXICO** XERF, Mexico, DF. OCT 3 0332 – With 'Coahuila en la Hora Nacional', first topic "inicio de rock et roll en Coahuila". Heavy QRM de Missouri and plenty of other US stations abolishing this as a clear channel.
 +Oct 7 at 1325, Spanish should be KTUZ in Tulsa, by now almost an hour after sunrise, but no, it's still XERF, "la forma más clara de entender las noticias" slogan for 'Antena Radio, Primera Edición', the IMER flagship nationwide newscast. [Hauser-OK]

1610 **ANGUILLA** Caribbean Beacon, The Valley. SEP 6 0100 – Gene Scott preaching; over Bollywood Canadian. [Connelly*Y-MA]

*** TRANS-ATLANTIC DX ***

- 531 **ALGERIA** Jil FM, F'kirina Wilaya d'Oum El Bouaghi. SEP 17 0300 – Fanfare, Jil FM mentions by woman, man //549; poor to fair.
 +SEP 20 2300 – Mideast dance club music; to good peak. [Connelly*Y-MA]
 549 **ALGERIA** Jil FM, Les Trembles. SEP 15 2358 – Arabic teletalk by woman and man //weaker 531. [Connelly*Y-MA]
 576 **CANARY ISLANDS/SPAIN** RNE synchros, Las Palmas/Barcelona. SEP 17 0000 – Radio Nacional de Espana news intro; poor. [Connelly*Y-MA]
 585 **SPAIN** RNE Radio 1, Madrid. SEP 17 0301 – Woman with Spanish news; in slop. [Connelly*Y-MA]
 603 **SPAIN** RNE Radio 5 synchros. SEP 17 0000 – Pips, Spanish news //576; over UniID possible Middle Eastern station. [Connelly*Y-MA]
 612 **MOROCCO** SNRT Al-Idaa al-Watania, Sebaa-Aioun. SEP 17 0001 – Man in Arabic; in slop.
 +SEP 17 0302 – Woman in Arabic; low modulation on fair carrier. [Connelly*Y-MA]
 621 **CANARY ISLANDS/SPAIN** RNE Radio 1 synchros. SEP 15 2300 – 5+1 pips, fanfare, Radio Nacional de Espana ID by man; fair. [Connelly*Y-MA]
 639 **SPAIN** RNE Radio 1, La Coruna et al. SEP 17 0300 – RNE news; over something else. [Connelly*Y-MA]
 693 **UNITED KINGDOM** BBC Radio 5, Droitwich et al. SEP 15 2359 – Man mentioned American rivalry, medal awards; fair. [Connelly*Y-MA]
 702 **UniID?** SEP 17 0001 – Male chorus (like an anthem), then Koranic chant with reverb; fair. [Connelly*Y-MA]
 747 **CANARY ISLANDS** RNE Radio 5 synchros. SEP 17 0000 – Radio Nacional de Espana ID, news with woman and man; to fair peak. [Connelly*Y-MA]
 774 **SPAIN** RNE Radio 1 synchros. SEP 17 0300 – News //639; in slop. [Connelly*Y-MA]
 783t **MAURITANIA** Radio Mauritanie, Nouakchott. SEP 16 0000 – Fat carrier, little audio. [Connelly*Y-MA]
 837 **CANARY ISLANDS/SPAIN** COPE synchros. SEP 15 2300 – Two men (one on telephone) with Spanish talk; fair. [Connelly*Y-MA]
 855 **SPAIN** RNE Radio 1 synchros. SEP 15 2300 – ID, news //621; fair, on LSB to dodge 855.075 growl carrier. [Connelly*Y-MA]
 864 **EGYPT** ERTU, Santah. SEP 16 2300 – Koranic chant; fair.
 +SEP 17 0000 – Koranic chanting; loud. [Connelly*Y-MA]
 909 **UNITED KINGDOM** BBC Radio 5 synchros. SEP 16 2259 – Sporting event coverage; good. [Connelly*Y-MA]
 936t **IRAN** Urumiyeh. SEP 15 2300 – Mideast vocal; over Spain. [Connelly*Y-MA]
 981 **ALGERIA** RTVA Chaîne 2, Algiers. SEP 15 2301 – News in French by man; through WOFX slop. [Connelly*Y-MA]
 999 **SPAIN** COPE, Madrid. SEP 15 2300 – Man in Spanish //837; poor in IBOC hash. [Connelly*Y-MA]
 1053 **UNITED KINGDOM** TalkSport synchros. SEP 15 2300 – Woman and man //1089; through slop. [Connelly*Y-MA]
 1089 **UNITED KINGDOM** TalkSport synchros. SEP 15 2258 – Advert to reduce alcohol consumption; to good peak.
 +SEP 16 0000 – "On digital radio and 1089 and 1053 AM, the real home of football, TalkSport"; good. [Connelly*Y-MA]
 1098 **SPAIN** RNE Radio 5 synchros. SEP 16 0000 – Pips, fanfare, Radio Nacional de Espana ID, news; fair peak. [Connelly*Y-MA]
 1107 **SPAIN** RNE Radio 5 synchros. SEP 16 0000 – ID, news //1098; to good peak. [Connelly*Y-MA]
 1152 **SPAIN** RNE Radio 5 synchros. SEP 15 2300 – ID, news //621; fair. [Connelly*Y-MA]
 1215 **UNITED KINGDOM** Absolute Radio synchros. SEP 16 2300 – Guns N Roses "Paradise City"; to good peak.
 +SEP 17 0000 – Police "Walking on the Moon"; good. [Connelly*Y-MA]
 1530 **SAO TOME E PRINCIPE** VOA, Pinheira. SEP 26 0259 – Yankee Doodle sign-on music; mixed with WCKY. [Connelly*Y-MA]

CONTRIBUTORS

[Connelly*Y-MA]

Mark Connelly, WA1ION, South Yarmouth, Cape Cod MA, USA (GC= 41.6931 N/70.1912 W)(grid FN41vq)
Receiver: Microtelecom Perseus

Antenna 1: Cardioid-pattern SuperLoop: 10m vert by 11m horiz (peak 165 deg, null 345 deg)
Antenna 2: Cardioid-pattern SuperLoop: 6m vert by 12.6m horiz (peak 75 deg, null 255 deg)

[Hauser-OK]

Glenn Hauser, Enid OK, USA

DX-398 with internal antenna only or PL-880; NRD-545 with ALA-330S inside E-W or inside random wire N-S; ICR-75 with E-W longwire; FRG-7 with NW-SE short wire

73, Brandon



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

**Signal strength advantage of the Rockwork 4 site
 by Nick Hall-Patch**

The "Rockwork 4" listening site situated on a cliff side pull out on Highway 101 north of Manzanita, Oregon, has been popularized by Gary DeBock, particularly as a DXpedition location to hear unusual New Zealand medium-wave broadcasting stations in the summer months. There is an ongoing question among DXers as to whether this site is unique in its ability to hear these weak stations from across the Pacific Ocean. Certainly the anecdotal evidence points in that direction, but until now there has been no real hard evidence, using parallel listening systems at the Rockwork 4 site, and from somewhere nearby. This past summer, I joined Gary and Tom Rothlisberger, as well as visiting DXers from Japan, Hiroo Nakagawa and Satoshi Miyauchi in an attempt to provide some of that evidence.

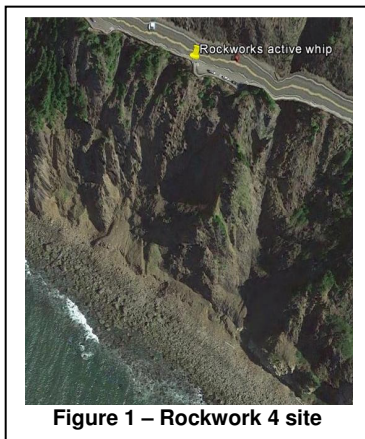


Figure 1 – Rockwork 4 site

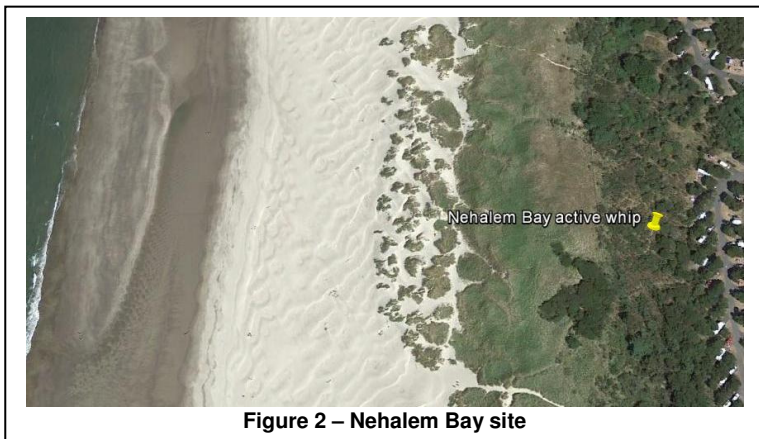


Figure 2 – Nehalem Bay site



Figure 3 – Rockwork 4 whip



Figure 4 – Nehalem Bay whip



Figure 5 – the two sites compared

In the early morning hours of 11 July 2016, an AMRAD active whip antenna (<http://www.amrad.org/wp-content/uploads/2014/12/actant.pdf.pdf>) was quickly set up at the Rockwork 4 site (see **Figure 3**) to feed an RFSpace NetSDR connected to an Acer netbook in the back of Tom Rothlisberger's vehicle. This was configured to record the entire MW band while a similar system was set up by myself at another site at the Nehalem Bay campground a few minutes later. **Figure 1** shows a Google Earth rendition of the Rockwork 4 site as seen from above the ocean, while **Figure 2** shows the Nehalem Bay site from above. The Nehalem Bay site was about 5.5km from the Rockwork 4 site (see **Figure 5**), at a bearing of around 160 degrees. (all Google Earth images are aligned so that north is towards the top of the image)

Figure 6 – Rockwork 4 reception using a 750kHz center frequency and 300kHz span

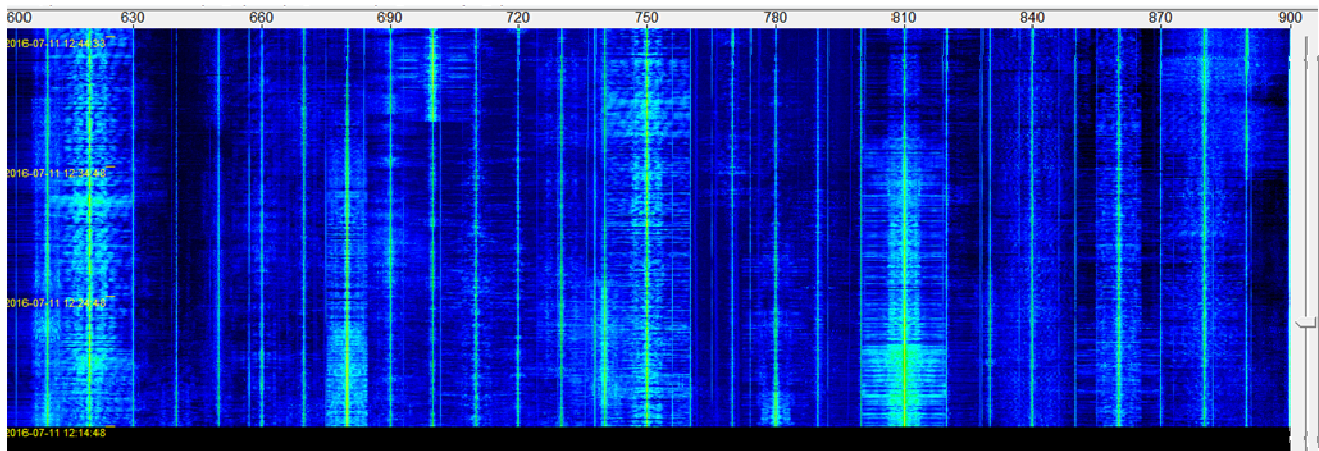
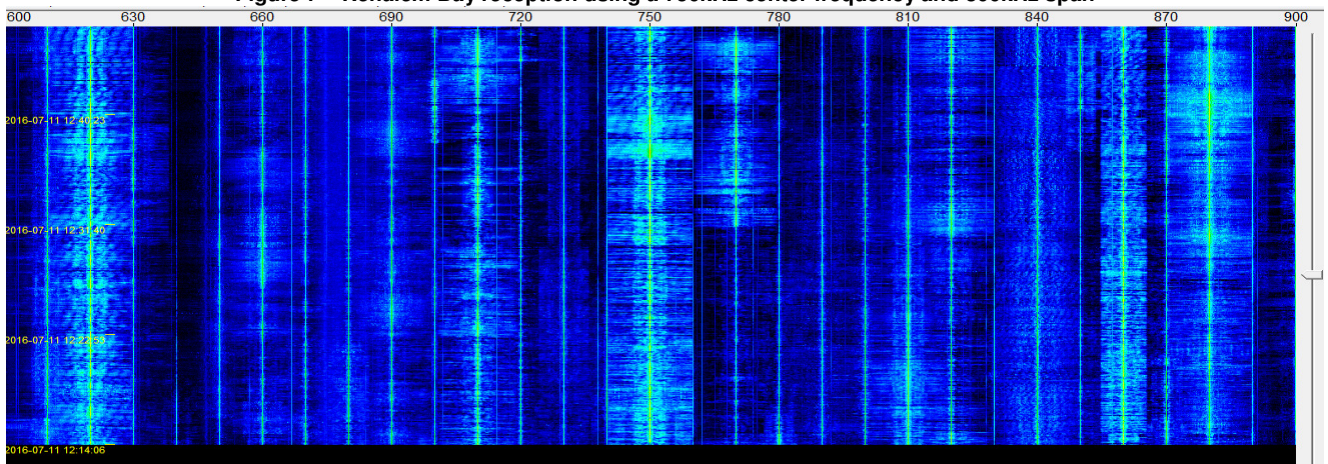


Figure 7 – Nehalem Bay reception using a 750kHz center frequency and 300kHz span



The antenna at the Nehalem Bay campground was set up in the scrub behind the dunes, about 300m from the high water mark (see **Figure 4**). This site was slightly further inland from the water compared with Rockwork4, and although the antenna was placed to be above nearby foliage, it did not have the bird's eye view of the antenna at the Rockwork 4 site. It might have been better to have used a few hundred more feet of coax lead-in and placed the antenna on top of the dune between the ocean and the campsite, but time was short, and visibility was poor in the dark. On the other hand, as noted below, overall domestic signals were similar in strength to that observed at Rockwork4, so there was not that much evidence of poorer capability to pick up signals at the Nehalem Bay site.

Analysis of signals heard at both sites

A quick listen to the files from each site would lead to an easy conclusion: there was very little overseas DX heard at the Nehalem Bay site during a time period (1123-1248UT when there was some overseas audio being heard at the Rockwork 4 site. And, for example, on 900 kHz at 1228UT, ESPN radio was heard at both sites, but at Rockwork 4, it was from Hawaii, and at Nehalem Bay, it was Wenatchee, Washington. But that statement wouldn't exactly address whether DX signals were stronger at the Rockwork 4 site, or whether domestic signals were stronger at the Nehalem Bay site. I generally find that signal to interference ratio is the best indication of whether DX is likely to be heard, a ratio referred to by Mark Durenberger as "carrier to noise" (C/N), and that will be used in this article, though raw signal strength is important as well.

All SDR files were recorded using RF Space's SpectraVue software with a span between 450 and 1750 kHz. As with most SDR software, SpectraVue can display a "waterfall" representation of band conditions, although 9 kHz channel visibility is better when viewing a few hundred kilohertz of the band at a time. So files from approximately 1215 to 1245UT were played back using the waterfall display for both the Rockwork 4 and Nehalem Bay sites, allowing the entire time period to be displayed in one waterfall. **Figure 6** shows the display from Rockwork 4, while **Figure 7** shows the display from Nehalem Bay, with 1215UT at the bottom of the display and 1245UT at the top.

Note that some domestics appear stronger at Rockwork 4, including the San Francisco stations on 680 and 810 kHz, while Seattle area stations on 710 and 820 kHz are stronger at Nehalem Bay along with Portland stations on 750 and 860. As an example of site differences, KCBS-740 was found to average over 10dB greater strength at Rockwork 4 than at Nehalem Bay, while Nehalem Bay gave a 7dB advantage to KKXA-770. There is more electrical noise at Nehalem Bay, not surprising, given that it is a paved campsite full of motor homes with AC power to every site. Noise was both discrete (the spectral line at 666 is actually a spur for example) and diffuse (see around 680 kHz). There was also noise at Rockwork 4; particularly noted were annoying spurs in the 760 kHz region. It is surmised that these were picked up by poor placement of antenna lead-ins past DXer computers in the back of Tom's car; these spurs had not been observed on previous mornings.

It has been suggested that some of the success of the Rockwork 4 site was due to the undoubted "horizon blockage" of domestics effected by having a 25m high cliff continuing immediately up above the other side of the road, covered by a large wire mesh to contain rock pieces that randomly break off from the cliff. Certainly, lower signal strengths from Seattle and Portland stations can be observed comparing the waterfalls of **Figures 6** and **7**. But there are many domestic stations still unblocked to the south of the Rockwork 4 site, and they, such as the San Francisco stations in **Figure 7**, may well have been stronger at this southerly looking site.

Upon playback of a recorded SDR file in SpectraVue, it is possible, using the Continuum function, to record changing signal strength power values over time within different frequency passbands, from the full bandwidth of the file to less than a 1Hz wide passband in these 1300 kHz wide files. So, average signal power delivered over the entire 450 to 1750 kHz band was calculated for both the Rockwork 4 and Nehalem Bay sites using SpectraVue Continuum, followed by averaging the resultant .csv file in Microsoft Excel. Both NetSDRs' software had been calibrated to show signal strengths in dBm, so, given that exactly the same antenna was used at both sites, equivalent signals strengths should have been recorded at both sites.

The results showed that Nehalem Bay had a total average power across the MW band of -37.1dBm, while Rockwork 4 showed a total average power of -36.5dBm. It would appear that there was not an overall attenuation of domestic broadcasters at Rockwork 4, and from the waterfall display, we could see that any attenuation of domestic signal strength was not compensated for by very strong signals from the other side of the Pacific Ocean.

But, what about the DX? Star-657 was one of the better signals at Rockwork 4 during this DX session, as was Tahiti on 738. 657 provides a solid spectral line in **Figure 6**, while it is barely visible in **Figure 7**. Similar situations can be noted on other channels, such as 774, 792 and 828, which were weaker than 657 at Rockwork 4, but weaker yet at Nehalem Bay. 738 is more visible than 657 in **Figure 7**, but it is still weaker than in **Figure 6**, particularly later in the session.

As mentioned above, SpectraVue's Continuum function can also record very small passbands, down to 0.73Hz in this case, so one can look at the changing strength of a single AM station's carrier with little interference. With pre-calibration of receivers and using the same antennas, it was possible to record equivalent signal strengths at both sites for a number of exact frequencies, corresponding to DX signals on 657, 765, 774, 828 (New Zealand) 738(Tahiti), and 1116 (Brisbane, Australia). Because the DX signal levels were not very good at Nehalem Bay, approximately 10 minute long averages were taken of each signal at both sites during the time periods each particular signal was at its best strength at Nehalem Bay.

In addition, noise/splatter levels were recorded and averaged all in the same narrow passband as the DX carriers were. These were at 658,737, 768, 827, and 1117 kHz, frequencies close enough to the DX signals to give a good sample of the interference likely heard when listening to those signals.

The results of the analysis of the recordings can be seen in the table below. "C/N" refers to "carrier to noise" strength, where the carrier strength in a narrow passband is compared to the noise/splatter level in a similar narrow passband nearby as described in the previous paragraph. Where noise levels are noticeably different between sites, a note has been added as to the likely reason. The discrepancies observed between raw strength differences and C/N differences between the two sites seems heavily influenced by the relative strength of nearby domestic stations, as one might expect.

Frequency	Noise Frequency	Average DX signal strengths at Nehalem Bay			Notes
		Signal dBm	Noise dBm	C/N	
657	658	-94.7	-118.1	23.5	
738	737	-96.8	-129.1	32.3	
765	768	-109.9	-117.7	7.8	KKXA-770 is 7dB stronger here
774	768	-99.4	-117.7	18.2	
828	827	-102.1	-123.6	21.5	
1116	1117	-97.9	-107.9	10.1	KPNW-1120 is 9dB stronger here
657	658	-87.2	-118.8	31.6	
738	737	-81.5	-120.3	38.8	KCBS-740 is 14dB stronger here
765	768	-101.9	-124.5	22.6	
774	768	-96.9	-124.5	27.7	
828	827	-98.9	-122.2	23.3	
1116	1117	-105.5	-115.9	10.5	

Frequency	Noise Frequency	Raw strength advantage Rockwork 4 (dB)	C/N advantage Rockwork 4 (dB)
657	658	7.5	8.1
738	737	15.3	6.5
765	768	7.9	14.8
774	768	2.6	9.4
828	827	3.3	1.8
1116	1117	-7.6	0.4

So, yes, Rockwork 4 has a raw signal strength and C/N advantage, at least for New Zealand and Pacific Island stations. Because we heard few Australians on 11 July 2016, it wasn't possible to say whether the relative disadvantage in raw signal strength at Rockwork 4 for 1116 is an anomaly. One very interesting point is that the direction of the cliffs at Rockwork 4 is very close to perpendicular to the likely direction of the arriving wave front from New Zealand and particularly from Tahiti.

It must be noted that although New Zealand was dominant on 765, 774 and 828, and Tahiti on 738, there was at least one more good strength carrier on those channels perhaps from Australia, which may have affected the results somewhat if we are considering New Zealand stations only.

There is quite a bit of complexity buried in the analysis here, and I am not certain that I understand all the details yet, if ever. And that doesn't even start to address why there is such a difference in reception capability between the sites. More study is obviously needed!

(See www.mediafire.com/download/6z11s6896zquh/July_2016_Rockwork_4_Ocean_Cliff_DXpedition.doc for Gary DeBock's report on the DXpedition)

Jon Pearkings sent along a brochure from an unusual SDR, the Titus II, from a Panama-based company. It appears to be an Android tablet with a radio built around it: details at <http://titusradio.com/>. Coverage is 100 KHz to 2 GHz, and includes a "balanced tuned ferrite antenna" for MW. One might suspect something that is being effectively crowd funded at this point, as "Shipments are scheduled to begin in the 4th Quarter of this year", but pre-ordering, with a suggested price under US\$100, simply expresses interest, not an actual payment. Jon also points out that one was shown at HFCC 2016 Miami (<http://hfcc.org>) and it "outperformed a DR-111 on a test broadcast from Vatican Radio" (<http://swling.com/blog/2016/08/details-emerge-the-pantronx-titus-ii-drm-portable-receiver/>); this test is probably not relevant for MW listeners, however.

There is no mention of actual bandwidth, beyond the fact that it will handle broadcast FM, so this is likely is more like a CommRadio CR-1, something that uses SDR technology to deliver individual signals, plus a graphical user interface. But, if they can sell it for under US\$100, and it has reasonable sensitivity, selectivity and signal handling, then it will be an interesting addition to the marketplace.



IRCA Mexican Log, 20th Edition (Winter 2015)

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CLUB OFFICERS AND CONTACT INFORMATION

President: Phil Bytheway, 9705 Mary Ave NW, Seattle WA 98117-2334 **E-mail:** phil_tekno@yahoo.com (all proposals, suggestions and gripes go here)

Secretary-Treasurer: Lynn Hollerman, PO Box 60241, Lafayette LA 70596
 e-mail: lynnhollerman@yahoo.com – (dues, address changes, IRCA mailing list sign-ups)

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Publishing Committee: Temporary Editor-in-Chief: Phil Bytheway, 9705 Mary Ave NW, Seattle WA 98117-2334
E-mail: phil_tekno@yahoo.com (all material for publication goes here).

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THE INTERNATIONAL RADIO CLUB OF AMERICA
 PO Box 60241, Lafayette LA 70596
<http://www.ircaonline.org>