



DX MONITOR

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Seattle deadline for next issue – **Monday 4/17 6 PM PLT**. **Verification Signers:** "No tips were submitted to my column this month. Deadline for the April column remains the Monday of the month at 1500 ELT" – Steve showe@albany.edu. IRCA is still looking for a new editor for **DXWorldWide-West**, **DX Test Coordinator** and backup **Editor-in-Chief**.

2017 IRCA/NRC/DecalcoMania CONVENTION

IRCA will be hosting the 2017 **IRCA/NRC/DecalcoMania** Convention held Thursday August 17-Saturday August 19 (checking out on Sunday) at the Best Western Airport Plaza hotel, 1981 Terminal Way, Reno NV 89502. For reservations use phone number 775-348-6371 and request International Radio Club of America rate of \$100 per night plus tax. Major credit cards accepted. (Attendees are encouraged to double up, share a room and save). Airlines serving Reno include Alaska, Allegiant, American, Delta, JetBlue, Southwest, United, and Volaris. Amtrak passenger train service is available as well. Registration fee (not including banquet) is \$25 payable to **Mike Sanburn**, PO Box 1256, Bellflower CA 90707-1256. Or, by PayPal (add \$1 to cover fee) mikesanburn@hotmail.com Include contact info and club affiliation(s) if any. Information on activities, banquet, and station tours will be announced shortly. Visitor's information can be found online at www.visitrenotahoe.com.

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

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



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: March 25 2017, **Column data span:** March 11- 25 2017, Data courtesy of **Stationintel.com**, FCC database and member contributions.

CALL CHANGES

FREQ	OLD CALL	CITY OF LICENSE	NEW CALL
1260	KBOQ	Beverly Hills, CA	KSUR
1490	WNBT	Wellsboro, PA	WNDA
1520	WNWT	Rosssford, OH	WPAY
1580	KHEP	Tempe, AZ	KQFN

FORMAT, SLOGAN AND SILENT STATUS CHANGES

FREQ	CALL	CITY OF LICENSE	NEW INFORMATION
680	WKAZ	Charleston, WV	was oldies, now Bloomberg Radio Network business news
780	WTME	Rumford, ME	was talk, now NBC Sports Network, old slogan: "Talk For Maine", new: "Sports Radio 780"
790	KJRB	Spokane, WA	was adult standards, now classic rock, old slogan: "Magic 790 KJRB", new: "94.1 The Bear"
880	WAMI	Opp, AL	now silent
920	KKGX	Palm Springs, CA	was silent, back on with new unknown format
980	WTOT	Marianna, FL	was silent, now Westwood One Good Time Oldies, adds slogan: "Good Time Oldies"
	WITY	Danville, IL	was adult standards, now adult hits
990	KRKS	Denver, CO	old slogan: "Denver's Christian Station 990 AM", new: "990 AM The Word"
1150	WEAQ	Chippewa Falls, WI	was oldies, now rhythmic CHR, old slogan: "Oldies 1150", new: "95.9 Jamz"
1170	KOWZ	Waseca, MN	was oldies, now classic hits, old slogan: "AM 1170", new: "1170/106.3 The Train"
1190	KXKS	Albuquerque, NM	was Spanish religion, now Wilkins Radio religious teaching
1230	KLVT	Levelland, TX	old slogan: "News and SportsTalk 1230", new: "News and SportsTalk 1230" (??-ye ed)
1250	KLLK	Willits, CA	was La Maquina Musical regional Mexican, now Westwood One Classic Hits
1300	KLLS	Lumberton, TX	now silent
1340	KWXY	Cathedral City, CA	was silent, back on with new unknown format
	KRMD	Shreveport, LA	was ESPN Radio network, now CBS Sports Radio, old slogan: "Sports Talk 100.7", new: "The Ticket 100.7"
	WBNC	Conway, NH	was travel information, now soft adult contemporary, old slogan: "Visitor Information Radio", new: "Easy 95.3"
1380	WCBG	Waynesboro, PA	old slogan: "ESPN Radio 1380", new: "1380 The Bull"
1400	KUKI	Ukiah, CA	was La Maquina Musical regional Mexican, now Westwood One Classic Hits
1450	WGPC	Albany, GA	now silent
	WYHL	Meridian, MS	was southern gospel, now Fox Sports Radio, old slogan: "Joy 1450", new: "Fox Sports Radio"
1470	WPNS	Evergreen, AL	was silent, now news/talk
1550	WJIL	Jacksonville, IL	was adult contemporary, now news/talk, old slogan: "JIL 1550 AM", new: "1550 AM Talk Radio"
1570	WPPC	Penuelas, PR	old slogan: "Radio Felicidad", new: "Felicidad 1570 AM"
1590	WGGO	Salamanca, NY	now silent

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

MEMBER CONTRIBUTIONS

Mike Sanburn of Bellflower CA sends along the following from **Dennis Gibson** of Salinas CA dated 3/15/17:

Desert Broadcasters has returned 920 KKGX Palm Springs (formerly KPSI) and 1340 KWXY Cathedral City CA to the air and is currently stunting on both frequencies. KKGX and KWXY are both running hourly music block for listeners to vote on. Among the choices are Marching Bands, Surf Music, Disco, The Hamilton Soundtrack, and All-Macarena. A countdown clock on the website indicates the permanent formats will launch on Thursday, March 16 at 1:00pm. 920 KGX will eventually be rebroadcast on 99.1 K256CU when it is launched. Both stations went dark in August 2016 as former owners Ric and Rozene Supple ended their operations. Garry Wing's Desert Broadcasters acquired the stations in October for \$375,000. Wing is a former on-air personality and programmer who owns call-out research company Comquest. (URL: <https://radioinsight.com/headlines/116955/silent-palm-springs-duo-return-stunt-formats/>)

Mike Sanburn sends along some additional info for above dated 3/16/17 from <https://en.wikipedia.org/wiki/KKGX>:

KKGX (920 Palm Springs-ye ed) debuted a conservative talk format branded "Real Talk" on March 16.

Mike also sends along additional information dated 3/17/17 from Radio Insight (<https://radioinsight.com/headlines/116955/silent-palm-springs-duo-return-stunt-formats/>):

920 KGX & 1340 KWKY Palm Springs Unveil New Identities, By Lance Venta on March 16 2017

Real Talk KGX 920 99.1 Palm Springs 1340 KWKY Desert Broadcasters launched its two new brands in Palm Springs at this afternoon as 920 KKGX Palm Springs became Conservative Talk "KGX Real Talk" while 1340 KWKY Cathedral City will return to its heritage Soft Oldies/Beautiful Music identity.

KKGX's all-syndicated programming lineup will include the Armstrong and Getty in mornings, Chris Plante from 10am-12pm, Todd Schnitt from 12-3pm, Palm Springs based Chad Benson from 3-6pm, America Now with Buck Sexton 6-9pm, Beyond Reality Radio 9-11pm, Kate Delaney 11pm-3am, and Doug Stephan 3-5am. KGX debuted at 3:00pm after a two hour special on both frequencies that featured Station Manager Kevin Barrett, Chad Benson, a Southern California aircheck and jingle montage, and tributes and interviews with former station owners Glen Barnett and Ric and Rozene Supple. 1340 will become "Relaxing Music" featuring "wall-to-wall music with minimal interruptions". KWKY on 1340/98.5 was one of the last Beautiful Music stations until the FM was flipped to Classic Hits in 2010. 1340 eventually segued to Adult Standards before that format was moved to its then translator and an HD subchannel after the translator was sold to Alpha Media in 2015. In its final days prior to going dark last summer, 1340 KWKY aired the Liberal Talk format that had previously been heard on 1450 KPTR.

Dave Gordon of Morgan Hill CA. sends along the following update on KNRV-1240 Monterey CA dated 3/18/17:

KNRV is staying with adult standards simulcasting KKGX-FM HD3. No oldies format heard this weekend. KBOQ-AM is 50s 60s oldies full time now.

Mike Sanburn sends along the following about K-Surf-1260 Beverly Hills CA dated 3/18/17:

Scott Lowe on my LA Aircheck group stated that the LA Oldies format (K Surf) 1260 has now gone 24/7 – I just heard NoS yesterday morning, and I am wondering if today counts as the weekend or ?

Wolfgang Schneider of Van Nuys CA sends along the following dated 3/22/17 and 3/24/17:

KBOQ 1260 AM in Beverly Hills CA changed its format from Adult Standards ("Unforgettable") to Oldies. They played oldies from Friday afternoon, March 10, to Monday morning, March 13, then back to adult standards. Starting Friday, March 17 (don't know what time) the station flipped to Oldies full-time – a mix of oldies from the mid 50's to the early 70's. It is a very nice format. The station changed its call letters from KBOQ to KSUR on Monday, March 20. I don't know how long this format will last, as this station has changed formats several times over the years. (3/24/17): KBOQ's format is being streamed on the Internet and can be accessed at <http://laoldies.com/>. For local listeners the format can be heard on 105 GO COUNTRY at 105.1 FM – HD-2. The previous Adult Standards format can be heard on 105.1 FM – HD-3.

Mike Sanburn sends along the following dated 3/23/17:

Classic station WFLI 1070 Chattanooga TN will be signing off the air for good and going dark presumably unless another station takes the 50kw station over.

Wow, lots of member contributions this time, thanks to everyone! I had to go to hospital with some lower leg ulcers this week and they were treated, will take a month to heal but I have a long bandage I have to wear, I missed some work this week as a result. Well, spring has sprung as of 3/20/17. Still feels a lot like winter here, we had a snowstorm here that destroyed most of the cherry blossoms in Washington DC last week, really devastated a lot of the flowers then we had a week of cold weather in the 30's daytime which didn't help the snow to melt or the plants, but finally it's broken and weather is getting warmer. Of course, cold weather means better DX and conditions were quite good to the north. Belated Happy St Patrick's Day also!! 73's. Bob Wien



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

WDXR DEADLINES: April 14, April 28, May 12, May 26, June 9, June 23, July 14 and Aug. 11. Please use Eastern Local Time.

REPORTERS FOR THIS ISSUE:

- (BB) **Bill Block**-Prescott Valley AZ billblock@cableone.net
R8, Wellbrook ALA1530LNP
- (DG) **Dennis Gibson**-Salinas CA wb6nb@yahoo.com
Radio in 2007 Honda Fit Sport
- (JP) **Jon Pearkins**-Edmonton AB jon@pearkins.com
Sangean HDR-18
- (NP) **Nigel Pimblett**-331 5th Street-Dunmore AB T1B 0J9 nige2730@telus.net
Perseus SDR and Wellbrook Phased Array

- 930 KSEI **ID**, Pocatello 3/22 2240 man said "KSEI Idaho's Oldies Channel also on FM 106.7." Good signal; new. (DG-CA)
- 950 KAH1 **CA**, Auburn 3/27 2200 came through dominant KCAP with ID as "We are the voice of the foothills, AM KAH1, Auburn." (NP-AB)
- 960 KLAD **OR**, Klamath Falls 3/22 0300 atop CFAC during auroral conditions with ID and "KLAD Klamath Falls and K227CU Klamath Falls." (NP-AB)
- 980 KVLV **NV**, Fallon 3/28 2200 country music, ID at the hour as "AM 980 KVLV, Fallon, Nevada," then ABC news. (NP-AB)
- KSVC **UT**, Richfield 3/28 0000 ID at the hour as "KSVC AM and FM, Richfield-Salina, where mid Utah comes to talk." (NP-AB)
- 1220 KDOW **CA**, Palo Alto 3/27 2200 promo for financial program "...on 1220 KDOW," then local ID. (NP-AB)
- 1230 KINO **AZ**, Winslow heard 3/29 at 0900 with "KINO Winslow, Arizona." (BB-AZ)
- KBOV **CA**, Bishop heard 3/30 at 0906 with "KBOV." (BB-AZ)
- KXO **CA**, El Centro heard 3/30 at 0859 with "KXO El Centro in the Imperial Valley." (BB-AZ)
- 1250 KHIL **AZ**, Willcox 3/27 2358 old-time country song, ID at the hour "This is KHIL, 98.1 FM and 1250 AM, Willcox..." then more classic country music. New for me. (NP-AB)
- 1260 KBOQ **CA**, Beverly Hills heard 3/19 at 0831 with "The Best Oldies are on L.A. Oldies K-Surf." (BB-AZ)
- 1320 KXRO **WA**, Aberdeen 3/26 1000 came through dominant CHMB at just the right time with ID "...find us on Facebook... KXRO Aberdeen..." then CBS news. (NP-AB)
- 1450 KHIT **NV**, Reno 3/28 2200 ad for casino, then ID as "NBC Sports Radio 94.1 and KHIT Reno..." (NP-AB)
- 1610 ?CHHA? **ON**, Toronto 3/19 0138 playing "Penny Lane" on a pan flute, giving it a Latin flavor like all the other instruments heard 3/18 and 3/19, with no talk in between, marking first distinguishable reception on 1610. (JP-AB)
- 1680 WPRR **MI**, Ada 3/21 0000 coming through the Seattle station with ID as "You're listening to, Public Reality Radio WPRR 1680 AM Ada..." then also listed several FMs. (NP-AB)

Looks like the end of the DX season is near! – Nancy 3/31 1900



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

RIDING GAIN

[EB-MO] **Eric Bueneman**, Hazelwood MO NOUIHEric@aol.com
GE Superadio III, Yaesu FRG-7, Worcester Space Magnet II

DOWN THE DIAL

560 KWTO **MO**, Springfield. 3/22 fair signal, mixing with WHBQ, WIND. 0530 noted with CBS News update, local news, "The Ozarks' news leader" slogan and local spots. [EB-MO]

- 750 CKJH **SK**, Melfort. 3/18 fair to poor in a tight WSB null. 0545 with Oldies format, "CK Seven-50" ID and local spots. SK#10 at this location. [EB-MO]
 920 WMOK **IL**, Metropolis. 3/18 fair to poor signal, mixing with KARN, KDHL and WMMN. 0537 noted with "Nine-20 WMOK" ID and Country format. [EB-MO]
 950 WWJ **MI**, Detroit. 3/24 fair signal, mixing with WAKM, WORD. 0523 noted with local spots, business report and "WWJ news radio Nine-50" ID. [EB-MO]
 980 KMBZ **MO**, Kansas City. 3/23 fair to poor, mixing with KSGM, WYFN. 0405 with weather forecast, "Your talk station, Talk Nine-80" ID into C2C. [EB-MO]
 1090 WHGG **TN**, Kingsport. 3/20 fair to poor signal through KAAV. 0515 left on overnight with Contemporary Christian format and "Love Radio" ID. [EB-MO]
 1160 WWQT **NC**, Tryon. 3/20 fair to poor signal, mixing with KCTO, KSL and WYLL. 0454 noted with choral hymns, "The Life FM" ID. Must have been left on day power and pattern. [EB-MO]
 1320 WILS **MI**, Lansing. 3/26 fair to poor signal through KSIV. 0819 noted with a financial talk show, local spots, promos and "13-20 WILS" ID. [EB-MO]
 1370 KDTH **IA**, Dubuque. 3/17 fair signal over WCOA. 0140 noted with Adult Standards format, "AM 13-70" mention and "KDTH" jingle. [EB-MO]
 WCOA **FL**, Pensacola. 3/17 fair to poor signal, mixing with KDTH. 0129 noted with promo, "News, talk 13-70 WCOA" ID. [EB-MO]
 1600 KRVA **TX**, Cockrell Hill. 3/26 fair to poor signal in a tight KATZ null. 0910 noted with talk program and "Radio Saigon" ID in Vietnamese. [EB-MO]
 1650 KFSW **AR**, Fort Smith. 3/29 fair signal over KCNZ. 0507 noted with Contemporary Christian format, "Life 98-Seven-dot-com" mention. [EB-MO]

FLASHBACK

April 2 1966 issue of "DX Monitor" ... President **Paul Kirkpatrick** explained the mix-up with DXWW editors ... **Gary Scrimgeour** of La Jolla CA received a verie from 1YZ 860 Rotorua ... Discussions continued about the Swan Island issue. // March 30 1991 issue of "DX Monitor" ... **Randy Stewart** of Springfield MO thanked **Mike Hardester** for IDing his unID 517 beacon - Kansas City MO ... **Pete Taylor** of San Francisco CA mentioned KRCX 1110 moving to 650 on April 1st ... **Rick Evans** of Milwaukee WI told about the purchase of a house and having his offer accepted the same day.

OPEN MIKE

Thanks to Eric we have a column this week. This column was typed 3-31-17. 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:

- (KK-VA) **Kraig Krist** (KG4LAC), Manassas VA
 Winradio G33DDC software-defined receiver, Wellbrook ALA1530S+ Imperium loop
 (PS-ON) **Paul Snider**, Welland ON, Canada
 ICOM IC-R75, Pixel RF Pro-1B loop, MFJ-1020 as antenna tuner
 (RW-MD) **Robert Wien** (KG6RJW/3), on eastbound Interstate 70 on the way to work in Baltimore MD
 Ford car radio in a Ford Fusion

ACROSS THE DIAL

- 620 WTRP **GA**, La Grange – 3/28 2320 been checking this one for an hour or so; kept hearing an Oldies format starting at 2202 when I heard Fleetwood Mac's "Don't Stop". I thought for sure it was WKHB Irwin PA, but heard a clear "WTRP" ID by a male announcer at 2332. A poor to very poor signal was noted in a station mix including WGCV, WRJZ, WSNR and WTMJ. (PS-ON) ("TRP" in the call sign stands for Troup County, of which La Grange is the seat of county government – eb)
 950 WAKM **TN**, Franklin – 3/20 2146 noted with a Country format, "AM 950 WAKM" ID by Nikki the DJ at 2149 into another Country selection. A fair at times to very poor signal over WWJ; confirmed by the Tune-In Web stream. (PS-ON) (WAKM has been forgetting to cut power lately; one night, I noted them in like a local at my location – eb)
 1110 WGNZ **OH**, Fairborn – 3/21 2243 noted with Southern Gospel format, telephone conversation with a listener, ad for *Back Home* magazine, weather forecast, "on WGNZ" mention at 2249, into ad for a septic service. A very poor signal was noted under WBT. (PS-ON) (Sounds like either 5,000 Watts day power or 1,700 Watts Critical Hours power – eb)
 1260 WNXT **OH**, Portsmouth – 3/26 0101 noted with Fox Sports mentions and promos, sports talk, "Sportsmouth" slogan at 0116 during promo. A poor to very poor signal was noted in a mix of stations including WWRC and probably WPHB. (PS-ON)
 1290 CFRW **MB**, Winnipeg – 3/19 2256 noted with *Hockey Prospect Radio*, local ads, promos mentioning TSN, "This is TSN Radio 1290, CFRW Winnipeg, the home of the Winnipeg Jets" legal ID at 2304 before returning to the program. A poor to very poor signal was noted, mostly under CJBK. (PS-ON)
 1420 WBEC **MA**, Pittsfield – 3/26 2258 noted with a mention of Massachusetts in promo, ID at 2300 after weather forecast "on 1420 WBEC" into possible news. A poor to very poor signal, mixing with WACK and WHK. (PS-ON)
 WCED **PA**, DuBois – 3/28 0700 came up over everything on the frequency with "Connect FM 107.9 and AM 1420" ID, weather forecast for DuBois and vicinity. Before fading out to an unidentified Oldies station; other stations below in a free-for-all. I thought this was Ohio at first, but it was a pleasant surprise; listed as 4200 Watts day/5 Watts night ND. Pretty good signal! (RW-MD)
 1450 WPGG **NJ**, Atlantic City – 3/17 0706 noted with "WPGG... news... WPGG" ID by a female announcer. The signal was noted mixing with WJPA, WMVA, WPSE, WVAX and an unidentified NBC Sports Radio station. (KK-VA)
 WPSE **PA**, Erie – 3/17 0609 with "This is Tom...WPSE" mention by a male announcer. The signal was noted mixing with WJPA, WMVA, WPGG, AVAX and an unidentified NBC Sports Radio station. (KK-VA) (The "PSE" in the call sign stands for Penn State-Erie, located in nearby Behrend PA – eb)
 WMVA **VA**, Martinsburg – 3/17 0606 noted with "1450 WMVA, Every Day" ID by a male announcer after the news; a new station in the logbook. The signal was noted mixing with WJPA, WPGG, WPSE, WVAX and an unidentified NBC Sports Radio station. (KK-VA)
 1470 WWNN **FL**, Pompano Beach – 3/17 0703 noted with "Talk 1470 is WWNN Pompano Beach and 95.3 FM W237BD Boca Raton; The Health and Wealth Radio Network" legal ID by a male announcer. The signal was noted mixing with WMBD, WQXL, WSAN, WTOE and unidentified stations with Bluegrass music in English and vocal music in Spanish. (KK-VA)
 WNYN **NY**, Ithaca – 3/23 1955 noted with Oldies format, "Pure Oldies WNYN" ID at 2000 into Chuck Berry's "Johnny B. Goode" (Lest We Forget Chuck Berry – eb). A fair to poor signal was noted. (PS-ON)
 WTOE **NC**, Spruce Pine – 3/17 0556 noted with "Good Time Oldies WTOE 1470" ID by a male announcer. The signal was noted mixing with WMBD, WQXL, WSAN, WWNN and unidentified stations with Bluegrass music in English and vocal music in Spanish. (KK-VA)
 1480 WZRC **NY**, New York – 3/17 0555-0735 noted with talk in Cantonese. The signal was noted mixing with WPWC and unidentified stations with talk and vocal music in English and vocal music in Spanish. (KK-VA) (Kraig, this is definitely WZRC; Cantonese is spoken in southeastern parts of the People's Republic of China, especially around Guangzhou, formerly known as Canton – eb)
 1490 WOHI **OH**, East Liverpool – 3/17 0613 noted with "...get away from it all right here; Classic Hits, The Pickle" mention by a male announcer; a new station in the logbook. The signal was noted mixing with two unidentified talk stations and unidentified stations with vocal music, ESPN Radio, Oldies and Country formats. (KK-VA)
 1510 WWBC **FL**, Cocoa – 3/24 0630 noted with "You're listening to WWBC Cocoa/Melbourne/Titusville, 1510 AM, as well as W234BI Cocoa/Rockledge (94.7 FM) and W264AS Rockledge, Melbourne and Palm Bay, 100.7 FM" legal ID by a male announcer. The signal was noted mixing with WFAI, WLAC and WMEX. (KK-VA)
 WFAI **NJ**, Salem – 3/24 0609 noted with a "Faith 1510" ID by a male announcer. The signal was noted mixing with WLAC, WMEX and WWBC. (KK-VA)
 1520 WARR **NC**, Warrenton – 3/24 0632 noted with "...and makes you feel all good inside. Gospel plays only on Your Number One AN station, WARR 1520 AM in Warrenton, North Carolina, Where the Community Comes Together" legal ID by a male announcer. The signal was noted mixing with WDSL, WWKB and unidentified stations with talk and vocal music. (KK-VA)

TENTATIVE

- 1290 WWTX **DE**, Wilmington – 3/19 0015 assumed with sports talk, ads including one from Burger King, mentions of Fox Sports Radio and Fox Sports. A poor to very poor signal was noted; lost to various stations, including CJBK, probably WFBG and an unknown Gospel music station (WJCV?). (PS-ON) (Paul, another possibility is WHKY Hickory NC; they carry Fox Sports Radio overnights, and has been forgetting to cut back from 50,000 Watts day power to 1,000 Watts night power – eb)

UNIDENTIFIED

- 1490 3/17 0628 noted with "This is AI... ESPN... burg (as in a city name), 102.9 FM, 1490 AM; Your Home for Great Sports" mention by a male announcer. An Internet search failed to determine who I heard. (KK-VA) (The only 102.9 that relays a 1490 is in Oklahoma – eb)

EDITOR'S NOTES

Thanks to Kraig, Paul and Bob for their logs this issue. 73 and good DX from NØUIH



Mondays 1201 PM PLT. All times UTC/GMT. We are looking for a new editor for this column, contact me if interested phil_tekno@yahoo.com.

TRANS-PACIFIC DX ROUNDUP

- 558 **REP KOREA** HLQH, Yeong-il, KBS2. 1309 3/21. Soft music, fair strength //603, which was quite weak, fighting with another station. (NHP-BC)
- 567 **JAPAN** JOIK, Sapporo, NHK1. Heard at 1309 3/21 with talk. (BB-AZ)
- 585 **UnID**. Traces of music with vocal by a man at 1318 3/26. (NP-AB)
- 594 **JAPAN** JOAK, Tokyo, NHK1. Fair with man in Japanese first noted at 1158 3/20. Good level by 1300. (NP-AB)
- +Woman and man in Japanese 1337 3/20, excellent strength. (NHP-BC)
 - +Fair with man in Japanese at 1301 3/21. (NP-AB)
 - +Heard at 1322 3/21 with talk fair signal. (BB-AZ)
 - +Heard at 1321 3/23 with a few words and just above the noise level. (BB-AZ)
 - +Japanese male and female speech and interval music at good level at 1326 3/23 <https://app.box.com/s/4xjlp1pu5dp2jt5jshjrtbxd9i505s2g>. (GDB-WA)
 - +Heard at 1321 3/24 with talk. (BB-AZ)
 - +Very good level Japanese female speech at 1322 3/24; along with 693-JOAB's Chinese lesson, the strongest signal of the session <https://app.box.com/s/rthg7mhad9jmc3tt2rxeoqwwkpf0jm>. (GDB-WA)
 - +Heard time pips at 1200 3/26, but little else. A bit better the next hour, with man in Japanese after the pips. (NP-AB)
 - +Heard at 1310 3/26 with talk. (BB-AZ)
 - +Heard 1320 3/30 with weak audio. (BB-AZ)
 - +1531 3/31 weak with man in Japanese. (DV-WA)
- 603 **REP KOREA** HLSA, Seoul, KBS2. A bit of a swinging female vocal (at least for this station) //558 peaking to excellent strength 1316 3/21. (NHP-BC)
- 639 **CHINA** various locations, CNR1. Music and woman talking, fair strength, //945 1308 3/25. (NHP-BC)
- 657 **DPK KOREA** Pyongyang, Pyongyang BS. Woman in insistent Korean, good level, 1338 3/21, //3320. This has been a rare catch for several years. (NHP-BC)
- +Stern female harangue rising above the noise at 1346 3/23 <https://app.box.com/s/7pfao8lk11nt4rjfyllmm2atlq70mqy4>. (GDB-WA)
 - +Heard at 1309 3/24 with talk. (BB-AZ)
 - +3+1 time pip TOH routine at a fair level at 1330 3/25 <https://app.box.com/s/s8m9pjdvwvy7ehgdmfo6nrwne6ha5nzi7>. Incessant stern-voiced female tirade at 1353, dragging on until she was thankfully silenced by the propagation crash at 1358 <https://app.box.com/s/18gh8btr9hx7wd6hpqzxy3new1c9c9fy>. (GDB-WA)
- 666 **JAPAN** JOBK, Osaka, NHK1. Woman in Japanese //891, good strength, 1330 3/22. (NHP-BC)
- 693 **JAPAN** JOAB, Tokyo, NHK2. Not as good as yesterday, but was fair with man in Japanese during English lesson at 1257 3/20. (NP-AB)
- +Poor in KGGF slop at 1127 3/21. (RA-OK)
 - +Fair with woman and man presenting English lesson at 1257 3/21. (NP-AB)
 - +Heard at 1323 3/21 with talk. (BB-AZ)
 - +Heard at 1327 3/22 very poor with talk. (BB-AZ)
 - +Heard at 1310 3/24 with talk. (BB-AZ)
 - +Very good strength female news at 1353 3/25; typical of Japanese big gun strength this morning <https://app.box.com/s/8kcvn4jf9ncmtrk585ucjqpd1zf5y3sf>. (GDB-WA)
 - +Man in Japanese at 1257 3/26. For some reason this one would fade up and down from good to virtually nothing. (NP-AB)
 - +Heard at 1311 3/26 with talk. (BB-AZ)
 - +Heard 1321 3/30 very weak. (BB-AZ)
 - +1535 3/31 good signal with Chinese? (DV-WA)
- 702t **AUSTRALIA** 2BL, Sydney. Carrier signal, strong at times, heard from 1133 3/24 until past 1227 local sunrise. (RA-OK)
- +Poor, with woman talking at 1259 3/24, then time pips and ABC news fanfare. (NP-AB)
- JAPAN** JOKD/JOFB, Kitami/Hiroshima, NHK2. 1317 3/25. Woman talking, fair strength //702, but also a hum and at least one other station. (NHP-BC)
- 711 **REP KOREA** HLKA, Seoul. 1352 3/21. Man in Korean, fair strength, IDed earlier when weaker with //864. (NHP-BC)
- 729 **JAPAN** JOCK, Nagoya, NHK1. 1323 3/22, man talking, poor but //594; also heard similar strength, 3/24, brief break in 730 splash allowed this through, woman talking //594 1320. (NHP-BC)
- 738 **TAIWAN** Baisha, BEL2. 738 Pop music 1323 3/21, fair strength but fading down to woman talking, Chinese inflection 1325; ID'd later by //1143. (NHP-BC)
- +The usual Chinese female announcer at a fair level after pop music at 1353 3/24; best signal here so far in 2017 <https://app.box.com/s/ruir96bjob9jel20wy5ctipg4h5lztzk>. (GDB-WA)
- 747 **JAPAN** JOIB, Sapporo, NHK2. Doing better than yesterday. Poor-fair with man in Japanese at 1201 3/20. (NP-AB)
- +Chinese lessons, excellent strength 1352 3/20. (NHP-BC)
 - +Poor at 1051 3/21; fair with WSB splatter at 1120. (RA-OK)
 - +Fair with instrumental music, time pips at 1300 3/21, woman in Japanese, //774 etc. (NP-AB)
 - +Very poor/poor 1301 3/21; poor 1322. (SR-AZ)
 - +Heard at 1314 3/21 with talk very poor. (BB-AZ)
 - +Heard at 1323 3/22 poor with talk. (BB-AZ)
 - +Heard at 1322 3/24 with talk. (BB-AZ)
 - +Fair with time pips at 1100 3/26, then into Japanese talk by a woman. (NP-AB)
- 774 **AUSTRALIA** 3LO, Melbourne. Poor, with time pips at 1300 3/23, followed by the ABC news fanfare. (NP-AB)
- JAPAN** JOUB, Akita, NHK2. Fair at 1200 3/20 with musical bridge, time pips at 1200, then English language lesson, //747. Never reached the level of yesterday, but was good by 1300. (NP-AB)
- +Chinese lessons excellent signal 1346 3/20; s/off for NHK2 again today was 1440; has been 1540 much of the winter. (NHP-BC)
 - +Good (audible on barefoot Skywave receiver) at 1045 3/21, fading to poor at 1049; fair with KSPI-780 QRM at 1117; audible on barefoot Skywave at 1119. (RA-OK)
 - +Fair-good with man during English lesson at 1257 3/21. (NP-AB)
 - +Heard at 1315 3/21 with talk. (BB-AZ)
 - +Heard at 1414 3/22 with talk. (BB-AZ)
 - +Poor/weak (able to use sync AM) 1323-1333 3/21. (SR-AZ)
 - +Heard at 1323 3/23 very poor. (BB-AZ)
 - +Heard at 1312 3/24 with talk. (BB-AZ)
 - +Heard at 1031-1037 and 1050-1055 3/26 peaking to poor level both times before fading away. (RA-OK)
 - +Fair with time pips at 1100 3/26, then into Japanese talk by a woman, //774. Good at 1300 with music leading into the pips. (NP-AB)
 - +Heard at 1315 3/26 with talk. (BB-AZ)
 - +Heard 1323 3/30 fair. (BB-AZ)
 - +1521 3/31 good signal with splatter. Man in Japanese. (DV-WA)
- 828 **AUSTRALIA** 3GI, Sale. Could make out the ABC news fanfare at 1300 3/23, but that was about it. (NP-AB)
- JAPAN** JOBB, Osaka, NHK2. Poor at 1201 3/20 with language lesson, //774. Fair to good nearer to 1300. (NP-AB)
- +Chinese lessons 1351 3/20, excellent strength. (NHP-BC)
 - +Het at 1054 and 1136 3/21. (RA-OK)
 - +Poor-fair with woman in Japanese at 1301 3/21. (NP-AB)
 - +Poor with woman in Japanese at 1059 3/26, short bit of music, then time pips at the hour. (NP-AB)
 - +Heard at 1320 3/26 with talk. (BB-AZ)
 - +1524 3/31 fair signal //774. (DV-WA)

- 837 **JAPAN** JOQK, Niigata, NHK1. Woman in Japanese, good strength, //594 1351 3/22. (NHP-BC)
846 **JAPAN** NHK1 synchros. Woman in Japanese //594, 1352 3/22, fair strength. (NHP-BC)
864 **REP KOREA** HLKR, Gangneung, KBS1. Man in Korean, //711 1340 3/21 fair strength. (NHP-BC)
873 **JAPAN** JOGB, Kumamoto, NHK2. Chinese lessons 1333 3/22, good strength. (NHP-BC)
891 **JAPAN** JOHK, Sendai, NHK1. Woman in Japanese //666, good strength, 1331 3/22. (NHP-BC)
909 **JAPAN** JOCB, Nagoya, NHK2. Interlude music, poor strength //774 1329 3/22. (NHP-BC)
945 **CHINA** Jiaohe, CNR1. Man and woman in Chinese 1334 3/25, good strength, and used for various parallels, such as 981. (NHP-BC)
JAPAN NHK1 synchros. 1415 3/20. Woman talking, poor strength, but //594. (NHP-BC)
954 **JAPAN** JOKR, Tokyo, TBS. 1401 3/20, woman singing a capella, oriental sound, then man in Japanese, unusually good signal. (NHP-BC)
963 **CHINA** Huaduan, CRI. 1346 3/21. Female vocal music, poor, //1323. (NHP-BC)
972 **REP KOREA** HLCA, Dangjin. Not in as early as yesterday, but was at fair to good level at 1255 3/20 with man in Korean. (NP-AB)
+Man and woman in Korean excellent strength 1337 3/20. (NHP-BC)
+Het 1056 and 1125 3/21. (RA-OK)
+Only reached audio briefly today, with man in Korean at 1257 3/21 for a couple of minutes. (NP-AB)
+Korean female conversation at a blowtorch level at 1347 3/21 in and out at this strength until the 3+1 pips at 1400
<https://app.box.com/s/otxw1paf6sa51poyi95k61a91xguphit>. (GDB-WA)
+Heard at 1318 3/22 very poor with talk. (BB-AZ)
+Korean female speech at a good level at 1353 3/22; one of the best signals of the session (along with 594-JOAK)
<https://app.box.com/s/wrd6fqfk3zry3waupvnc66zdd42h88pw>. (GDB-WA)
+Korean female vocal music at good level at 1347 3/23 <https://app.box.com/s/nfxgnvdre8uok75nmew9x6d4i9jti69f>. (GDB-WA)
+Heard at 1317 3/24 with talk good signal. (BB-AZ)
+Potent signal with male vocal music at 1343 3/24, but can't seem to break free of "Freedom 970"
<https://app.box.com/s/6r03i0623jn82eodqbknq4uiypy218f7>. (GDB-WA)
+Booming female pop music during the singing practice program at 1333 3/26; best Asian signal of the session
<https://app.box.com/s/3haz1hdx6mq2g6aem74fbnq5fss3g0j>. (GDB-WA)
981 **CHINA** various locations, CNR1. Echoey woman in Chinese 1314 3/25, good strength, just spanking 980's splatter. (NHP-BC)
1044 **CHINA** Changzhou, CRI. Japanese service with fair-level Chinese vocal music at 1321 4/3
<https://app.box.com/s/q8vgldlwfko6p2aj9bcihomylmw1d66r>. (GDB-WA)
1053t **JAPAN** JOAR, Nagoya, CBC. Assumed with man in Japanese, good strength, 1342 3/20, Korean jammer has disappeared per Chris Kadlec. (NHP-BC)
UnID. Man in Chinese, fair strength, Yanbian? 1314 3/25, 6 carriers on channel including one which was 14Hz low. (NHP-BC)
1089 **JAPAN** JOHB, Sendai, NHK2. Woman talking, lively music, more woman talking //774 1340 3/24, poor at best. (NHP-BC)
1098t **MARSHAL ISLANDS** V7AB, Majuro. Weak carrier with WTAM slop at 1104 3/21. (RA-OK)
+t weak carrier signal at 1038 3/24. (RA-OK)
1116 **AUSTRALIA** 4BC, Brisbane. Weak, with talk by a man at 1310 3/22. (NP-AB)
1134 **JAPAN** JOQR, Tokyo, NCB. Distinctive chime and pip on hour 1400 3/20, then high powered Japanese talk by man. Fair strength. (NHP-BC)
REP KOREA HLKC, Kimpoo, KBS. Woman in Korean 1403 3/20, good strength, taking over from JOQR. (NHP-BC)
1143 **TAIWAN** Baisha, BEL3. Woman in Chinese, fair strength, then into instrumental music //738 1353 3/21. (NHP-BC)
1152 **JAPAN** JORP/KOPC, Kochi/Kushiro, NHK2, likely JOPC Kushiro. 1327 3/25. Woman talking, poor but //774. (NHP-BC)
1179 **JAPAN** JOOR, Osaka. Fair with woman in Japanese at 1158 3/26. (NP-AB)
1206t **CHINA** Yanji, Yanbian, RGD. Likely with Korean woman over slow music, fair strength, and off channel, 1305 3/25. (NHP-BC)
1224 **JAPAN** JOJK, Kanazawa, NHK1. Woman talking //594, 1415 3/20, poor strength. (NHP-BC)
1242 **JAPAN** JOLF, Tokyo. Woman talking after music, good strength, //1332, 1416 3/20. (NHP-BC)
1287t **JAPAN** JOHR, Sapporo, HBC. Man in Japanese, another on the phone 1333 3/20. (NHP-BC)
+Bits of audio, with woman in Japanese at 1201 3/26. (NP-AB)
1323 **CHINA** Shuangyashan, CRI. Female vocal music 1346 3/21, fair and //963. As always, strong carrier, weaker audio; for example 3/20, Kitaya mention by man, last of CRI chimes 1400; poor strength, but good carrier. (NHP-BC)
1332 **JAPAN** JOSF, Nagoya. Woman in Japanese after music 1416 3/20 //1242, good strength. (NHP-BC)
1386 **JAPAN** NHK2 synchros. Instrumental music into time pips at 1300 3/26, //774 etc. (NP-AB)
1422t **JAPAN** JORF, Yokohama. Sounded like Enka ballad, then man in Japanese, good strength 1411 3/20. (NHP-BC)
1503 **JAPAN** JOUK, Akita, NHK1. 1540 3/31 assuming the station with poor signal. (DV-WA)
1548t **AUSTRALIA** 4QD, Emerald. Carrier signal noted at 1210 3/24, and again at 1225, fading away at 1228. (RA-OK)
+t weak carrier with KAPE and KQNM QRM at 1228-1237 3/21 (LSR 1231). (RA-OK)
+Bits of Aussie talk, seemingly an interview, through the 1550 splatter at 1240 3/29. (NP-AB)
1566 **REP KOREA** HLAZ, Jeju, FEBC. A bit more normal behavior today, with audio first noted at 1206 3/20 with man in Japanese at fair level. Still reached very good level around 1300. (NP-AB)
+Man in Chinese 1413 3/20, would have been perfectly readable if I'd known Chinese. (NHP-BC)
+Much weaker today, with man in Japanese at 1259 3/21 at fair level. (NP-AB)
+Very poor/poor 1311 3/21; poor 1329 lasting to pattern switch 1344 then gone. (SR-AZ)
+Heard at 1324 3/21 with talk and just above the noise level. (BB-AZ)
+Heard at 1320 3/22 fair with talk. (BB-AZ)
+Heard at 1325 3/23 very poor. (BB-AZ)
+Heard at 1306 3/24 with talk. (BB-AZ)
+Heard at 1305 3/26 with talk. (BB-AZ)
+1542 3/31 weak signal with female speaker. (DV-WA)
UnID. Fair in Japanese, with hymn being sung at 1159 3/26. Good level just after 1300 with man talking. (NP-AB)
+Traces of talk at 1258 3/24. (NP-AB)
1611 **AUSTRALIA** Vision Radio synchros. Christian song by a woman at 1228 3/29. Confirmed via local SDR. Weak, but consistent audio until 1250. (NP-AB)
UnID AUSTRALIA. Traces of music at 1201 3/24. (NP-AB)
1638 **UnID AUSTRALIA**. Just faint traces of music noted at 1315 3/22. (NP-AB)
1701 **UnID AUSTRALIA**. 3/29 Traces of audio here, but with three almost equal carriers bouncing up and down on 1701.03, 1701.07, and 1701.09 it was very difficult to determine which one was the source. (NP-AB)
1701.03 **AUSTRALIA** Melbourne, Islamic Voice Radio. Koran recitations at 1310 3/22, confirmed on local SDR. (NP-AB)
+t Man talking at 1202 3/24. Another brief spike at 1301 with Koran recitations. (NP-AB)

TRANS-ATLANTIC DX ROUNDUP

- 171 **MOROCCO** Nador, Medi 1 Radio. Poor/weak 0225 3/21. (SR-AZ)
+Poor 0227-0238 3/21. (RA-OK)
+Audible here at 0330 3/22 with fair strength, but there's moderate QRN from thunderstorms. (RA-OK)
183 **GERMANY** Europe 1, Felsberg. Barely audible 0227-0238 3/21. (RA-OK)
189 **ICELAND** RUV, Gufuskalar. Very poor/poor 0333 3/21. (SR-AZ)
198 **UNITED KINGDOM** BBC Radio 4, Droitwich et al. Barely audible to poor 0227-0238 3/21. (RA-OK)
207 **MOROCCO** Radio Marocaine. Barely audible 0227-0238 3/21. (RA-OK)
216 **MONTE CARLO** Radio Monte Carlo. Poor 0401 3/21. (RA-OK)
234 **LUXEMBOURG** RTL, Junglinster. Audible here at 0401 3/21 with poor strength. It's the first time I've heard the station in over 45 years of DXing long wave broadcasts. (RA-OK)
252 **ALGERIA** Chaîne 3, Tipaza, Radio Algérienne. Fair 0227-0238 3/21, still fair at 0401. (RA-OK)
+Weak 0333 3/21. (SR-AZ)
+Barely audible in the static 0330 3/22. I'm surprised to hear anything considering elevated geomagnetic activity. (RA-OK)

1215t **UNITED KINGDOM** various sites, Absolute Radio. This delivered quite a lot of audio from 0400 to 0540 3/20, but mostly very weak, hints of British talk, rock music etc. A couple of English accented words crept through at 0433, but no IDs. Did get a little bit of man talking on 1089 as well at 0529, sounded like British English, but pretty rugged in the 1090 splash. Not too many other carriers given 1215's consistency. (NHP-BC)

PAN AMERICAN DX ROUNDUP

1700 **MÉXICO** XEPE, Tecate, BCN. 3/26 0404. Talk show, wandering from usual sports. "All the grunge stuff is old fogey now". Heard with Barefoot World Traveler Longines Symphonette 4597-B, with frequency verified on SW-2000629/ATS-505. (RB-AZ)

THANKS TO THESE REPORTERS

BB-AZ **BILL BLOCK**, Prescott Valley AZ (via eGroup)
Drake R8
DV-WA **DENNIS VROOM**, Kalama WA (via eGroup)
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 (via eGroup)
7.5" loopstick C.Crane Skywave + 15" FSL antenna, Stand-alone 3" FSL Tecsun PL-380
NHP-BC **NICK HALL-PATCH**, Victoria BC nhp@ieee.org
Drake R8, RFSpace NetSDR; RFSpace SDR-14 running DX Fishbarrel program; north FLG-100 antenna, west FLG-100 antenna, 1m indoor box loop, 14m sloper, DXP-3 phasing unit.
NP-AB **NIGEL PIMBLETT**, Dunmore AB (via eGroup)
Perseus SDR with a Wellbrook Phased Array
RA-OK **RICHARD ALLEN**, near Perry OK (via eGroup)
WR-G313e, ALA1530LNP-NA. C.Crane Skywave and Tecsun PL-380 with an 8-inch FSL antenna.
RB-AZ **RICK BARTON**, Peoria AZ (via eGroup)
World Traveler Longines Symphonette 4597 portable utilizing a Terk advantage loop
SR-AZ **STEVE RATZLAFF**, near Sahuarita AZ (via eGroup)
R75; E/W longwire



DX WORLDWIDE – EAST – Brandon Jordan – PO Box 338 – Rossville TN 38066
E-mail: bdjorda@gmail.com all times UTC

Deadline – Sunday Midnight Central Time.

*** TRANS-ATLANTIC DX ***

1008 **CANARY ISLANDS** esRadio, Las Palmas. MAR 20 2115 – Sports commentary in Spanish, parallel to website audio @ <http://esradio.libertaddigital.com/directo.html>. Very strong signal into Newfoundland. [Willie-NF]

*** TRANS-ATLANTIC DX ***

730 **MÉXICO** XEHB, Hidalgo del Parral, Chih. MAR 23 1228 – ID for "107.1 FM, Fiesta, y 730 AM", ie XEHB, 50/1 kW. [Hauser-OK]
980 **MÉXICO** XEFQ, Cananea, Son. MAR 23 1230 – which is Enid sunrise, phone numbers, "es la FQ, una estación del Instituto Mexicano de la Radio", ie XEFQ, Cananea, Sonora, 2.5/0.5 kW. [Hauser-OK]

CONTRIBUTORS

[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
[Willie-NF] **Allen Willie**, VOPC1AA, Carbonear, Newfoundland, Canada
ICOM R-75 w/ 183m random wire to SE @ 135°, Sony SRF-M37W Ultralight barefoot
73, Brandon



TROPICAL BAND DX (1710-5100 kHz) – Brandon Jordan – PO Box 338 – Rossville TN 38066
E-mail: bdjorda@gmail.com all times UTC

Deadline – Sunday Midnight Central Time

3925 **JAPAN** Radio Nikkei 1, Chiba-Nagara. MAR 26 1315 – Monologue with man in Japanese to girly-girl pop vocals. [Barton-AZ]
4949.72 **ANGOLA** Radio Nacional, Mulvenos. MAR 31 0105 – RNA with music at S9+15. Good modulation since latest hiatus. [Hauser-OK]
5025 **CUBA** Radio Rebelde. MAR 26 0640 – Lively Cuban music. Steady, excellent signal. [Barton-AZ]
+APR 1 0427 – Radio Rebelde is S9+45 of open carrier except for some noise; by 0502 modulating distortedly, and a 2+1 prolonged bong timesignal ending at 0501:46, but only 46 seconds late since the time check is for "la una y una de la mañana". Since 5040 RHC is still on, leapfrog mixing products at S9 level come along with them, on 5010 where some RHC Spanish is audible, and 5055, nothing much at 0427. [Hauser-OK]
5040 **CUBA** Radio Habana Cuba. MAR 26 0500 – News, one of those "on this date in history" segments. Excellent. [Hauser-OK]

CONTRIBUTORS

[Barton-AZ] **Rick Barton**, Peoria AZ
World Traveler Longines Symphonette 4597-B
[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



DX WORLDWIDE – II – Bruce Portzer – 6546 19th Ave NE – Seattle WA 98115
E-mail: bportzer@comcast.net All times UTC unless noted otherwise

ASIA AND PACIFIC

AUSTRALIA: Just 14 people in the Northern Territory complained to the ABC about its decision to switch off its short-wave service.

"Fewer than 15 people located in the Northern Territory have contacted us since we made the announcement," ABC managing director Michelle Guthrie told a senate estimates committee. "The impact we have seen over the past three months is very clear by the number of people who have contacted us." The Senate Communications committee said it had 52 submissions, and the only submission in support of the decision to axe the service was the ABC's own. Ms Guthrie said the ABC would not reverse its decision.

Victorian Nationals Senator Bridget McKenzie strongly disagreed with the decision to axe short-wave because it left remote rural communities including farmers and fisherman unable to access ABC services. "It works and has a utility for people and until something supersedes it surely we stick with it?" she asked.

David Pendleton, the ABC's departing chief operating officer said short-wave was "not a reliable technology going forward" and the ABC said many broadcasters around the world were shutting short-wave services. Northern Territory short-wave service cost the ABC \$1.2m a year, the international short-wave service cost \$2.8 million each year. The budget savings would be transferred into digital services and content, the ABC said. The ABC said other states and

territories do not have an ABC short-wave service. It also pointed out that there were 22,000 active decoders for Viewer Access Satellite Television (VAST) in the Northern Territory, as well as AM and FM radio which people could access instead of short-wave. "We go to VAST being a stopgap here and it's simply not true." Senator McKenzie said. "You didn't talk to the people."

"The continued provision of short wave service for a long contract is not in the best interest of efficient operation of ABC budget," Ms. Guthrie said. <http://www.theaustralian.com.au/business/media/few-complain-over-abc-decision-to-switch-off-shortwave-in-nt/news-story/b92d761af0b47d637330413859225b3> (The Australian February 28 2017, via Mike Terry DXLD)

FRENCH POLYNESIA: French Polynesia's public radio broadcaster says people in remote locations have complained about the end of transmissions on its AM frequency. Radio Polynesie Premiere switched to an all FM service at the beginning of December, leaving pockets of inhabitants in valleys and on remote atolls without any local radio service. The broadcaster added five FM transmitters to its network of 48 to improve its reach but in an area the size of Europe, the signal fails to reach all communities.

Concern has been expressed that vital weather warnings are no longer heard. The mayor of Makatea in the Tuamotus Julien Mai said there is a risk to public safety because people have always been advised to have an emergency kit that includes a radio when severe weather strikes. Mariners can still receive weather updates via radio. <http://www.radionz.co.nz/international/pacific-news/321809/loss-of-am-radio-irks-french-polynesia> (RNZ via Mike Terry, mwdx 5 Jan)

INDIA: New transmissions from AIR Kota 1413 kHz. During the last few days, I was observing some co channel interference on BBC 1413 kHz Medium Wave. I noted that it was the new transmission from AIR Kota. AIR Kota used to operate on 1413 kHz with 20 kW only on daytimes and with 1 kW on 1584 kHz in mornings/evenings/night. When I contacted AIR Kota, I was told that from 9 Mar 2017, they are using 1413 kHz for all transmissions as the 1 kW transmitter has become faulty. The best time to listen to clear signals of AIR Kota on 1413 kHz is at their sign on at 0025 to 0029 UTC (5.55 to 5.59 AM IST) when BBC is off. (BBC starts at 0029 UTC) 1584 kHz is not listed in the recent official schedules of AIR issued from AIR HQ. The website of AIR Kota is: <http://airkota.com/airkota.php> Copy of my AIR Kota QSL: http://qsl.net/vu2jos/qsls/kota_1584.jpg (Jose Jacob, dx_india)

LAOS: The following stations were all active and audible in Phnom Penh, Kampong Cham and Kratie CBG between February 11-18th: Vientiane 567 kHz, Savannakhet 585 kHz and Luang Prabang 705 kHz. (Alan Davies via Mauno Ritola, ARC, 8.3.2017)

MICRONESIA: V6AK Chuuk 1593 kHz has improved their ground system and are running some disaster preparation programs, has been reported often in Japan. (Dave Stanley via Mauno Ritola, ARC 8.3.2017)

PAKISTAN: Radio Pakistan has started work on converting its transmission to state-of-the art DRM Plus technology to make its broadcasts clearer and cost-effective. The present AM and FM transmitters of Radio Pakistan can be made compatible to this technology with little amendment. (Press Release via Alokesh Gupta, DX Asia via DXLD 5.2.2017)

TAIWAN: 612 Radio Taiwan International, 1000kw station, has officially been off the air since September when Typhoon Megi destroyed the Lukang transmitting site. No plans to return to the air, I believe.... (Chris Kadlec, WRTH fb group via Ydun's Medium Wave Info 19.1.2017)

TONGA: The head of the Tonga Broadcasting Commission says a new injection of cash will help the state broadcaster strengthen its signal to the outer islands of the country. The broadcaster is to receive more than US\$91,000 and Nanise Fifita said it will bring great benefits to the people of Tonga. She said Radio Tonga's AM service would be able to be heard reliably throughout the kingdom which is necessary, particularly during cyclone season, and Television Tonga will be able to purchase an analogue transmitter. "It will have a lot of impact positively, [on] the operation of both Radio and Television Tonga. It was a request that we made to the government of Tonga for some assistance because we have some equipment issues. We need to replace some and also source spare parts." <http://www.radionz.co.nz/international/pacific-news/323647/tongan-broadcaster-boosted-by-cash-injection> (Radio New Zealand International 2 Feb)

VIETNAM: The following stations were all active and audible in Phnom Penh, Kampong Cham and Kratie CBG between February 11-18th: Ho Chi Minh City 610 kHz, Long An 756 kHz, Ca Mau 909 kHz, Tien Giang 1089 kHz, An Giang 1170 kHz.

VOV 549/576/594/630/648/657/666/675/702/711/729/740/783/819/873/1242 kHz.

VOV2 Ho Chi Minh City 558 kHz 50 kW is off the air, but carried by 819 kHz in Buon Me Thuot.

In Feb 2017 the regional frequencies were apparently inactive: Can Tho 837, Dong Nai 720/909 and Tay Ninh 1125. (Alan Davies via Mauno Ritola 8.3.2017)

EUROPE, AFRICA, AND THE MIDDLE EAST

ALBANIA: Just confirmed that Radio Tirana on MW from Shijak and Fllake will be closed down at the end of this month. Here a link to the history of Radio Tirana transmitters http://www.dxhamradio.com/driticaco/History_of_Radio_Tirana_by_Eng_Drita_Cico_May_2006.pdf (Christian Milling, WRTH fb group (22/3-2017) via mediumwave.info)

AZORES: 693 Antena 1, Stª Bárbara, is inactive due to tower collapse, but will be reactivated as soon as the new antenna is built and installed which is expected to happen before mid-year. (Carlos Gonçalves via Ydun's Medium Wave Info 227.1.2017)

BOSNIA & HERCEGOVINA: 792 Radio Banovici – After three years of silence Banovici went back on air in November 2016. Now they have stopped broadcasting on medium wave. (Sanel Tufekcic via Ydun's Medium Wave Info 22.2.2017)

GREECE: The medium wave broadcasting center of the Greek Radio in Pachi Megara is likely to go live again after three and a half years, since the procedures for the necessary maintenance and repairs have recently been initiated, with a high possibility that one of the two transmitters will operate again soon. It is worth noting that the broadcasting center, which used to host two powerful mediumwave transmitters (the ones of multilingual "Filía" and of EPA Sport) had been subject to looting by burglars, few days after the ERT closure by the Samaras government, which left the premises unattended. (radiofono.gr 5.1.2017 via Mike Terry, MWDX 6.1.2017)

IRAN: The jamming noise on 1575 kHz comes from Iran. It is directed towards Radio Farda broadcasting from Kuwait on the same frequency, running programs 24 hours in Persian towards Iran. Radio Farda is a US propaganda broadcaster and part of the Radio Free Europe/Radio Liberty group. The jamming is on and off for many years now. I suppose it depends on the state of the US-Iranian relationship. (Michael/ei3gyb via Ydun's Medium Wave Info 22.2.2017)

IRELAND: Billy Lawless gave a great speech in the Dáil yesterday about the importance of longwave to the Irish in Britain. He is a very strong supporter, and we are grateful for his work.

In an encouraging response, Minister of State for the Diaspora Joe McHugh also spoke positively of the continuing need for longwave, noting that he was well aware of its importance:

"While any decision on the future of long wave services in Britain is ultimately an operational matter for RTE, it can..., as a result of the study, now be informed by awareness of the role that the service plays in preserving and enhancing links with Ireland and keeping our people in Britain informed of important events and developments, such as the UK's vote to leave the European Union and the Irish Government's position."

He added that the consultative group involving RTE and representatives of the Irish in Britain would meet next week:

"A meeting of the consultative group will take place in London next week in order to discuss the next steps, explore possible ways forward in the context of maintaining the link with audiences in Britain, and of keeping the Irish community involved in decision-making. I am hopeful that a positive outcome can be achieved." http://www.irishtimes.com/news/politics/oireachtas/call-for-retention-of-rt%C3%A9-s-uk-long-wave-radio-service-1.2961495?utm_source=divr.it&utm_medium=twitter (Save RTE LW 252 Facebook group 3 February 2017 via Mike Terry, DXLD)

ISRAEL: The saga of the proposed replacement of the IBA by a new organization, the Israeli Broadcasting Corporation, continues. Due to be closed by 30 April, the IBA's fate now seems to be bound up with the possibility of a general election. <http://www.timesofisrael.com/netanyahu-sick-cancels-coalition-talks-on-defusing-crisis/> (Chris Greenway, DXLD)

Israel Army Radio is undergoing changes according to the Jerusalem Post today. "Army Radio will no longer be under the IDF's control, moving instead to the control of the Defense Ministry, the ministry announced Tuesday. The transfer of the power was set to be completed by May of 2017". Whether this has any impact on operations or broadcasts only time will tell. (Steve Whitt, mwcircle 24.1.2017)

Voice of Hope – Middle East is currently testing with reduced power (10kW) on 1287 kHz from Northern Israel. We learned today (Wednesday) that a few environmental modifications are needed at the transmitter site before we can run up to full power, and these will take until around the end of the month to be completed. It has been decided in the meantime to continue testing with reduced power, using non-stop Arabic Christian music. Regular operation is expected to commence late March or in early April. (Ray Robinson, Voice of Hope, via DXLD)

ITALY: Base 101, Italy has been reported active as a daytime station from Ancona. (Onda Media Italia 7.3.2017)

The Italian Communications Agency AgCom has now received 859 applications for 20-year broadcasting permits on medium waves. It is interesting to note that permits will be granted for the actual frequencies allocated by the Geneva Frequency Plan of 1975: for instance, applications for the Bologna area have been put in for 711, 756, 1098, 1548 and 1602. Of these, 711, 756 and 1548 were never used by RAI; 1098 was only used for 50 minutes daily of Radio 2 regional

programs; 1602 was actually used by Radio 3; Radio1 was on 567, which the Geneva Plan had assigned to Italy, but not to Bologna. In the meantime, unofficial radio activity on medium waves has been very low. Media Radio Castellana is off 1098, as are Amica Radio Veneta 594 and Challenger Radio on 567, 846 and 1368 (1368 has been irregularly on the air). Also Radio Base 101 on 1017 (announced on air as "101.7 AM"), the one with the most structured schedule (news, also from Euronews Radio, travel, weather) is currently off the air. Radio Base 101 has filed an application for 1017 for the Venice area (they broadcast from a site near Padua, not far from Venice). (Stefano Valianti, BDXC Communication and SDXL).

NETHERLANDS: A good actual site for Dutch low powers is: <http://radio-tv-nederland.nl/am/am.html> (David Visser via Ydun's Medium Wave Info 2.2.2017)

PORTUGAL: 630 Antena 1, Chaves, is not to be reactivated. 720 Antena 1, Meia-Légua (Faro), ditto. Like all other sites, those two on mainland are unmanaged, and were vandalised which caused the operation to halt, and I learned today, that the RTP administration does not intend to invest any money on them. This policy does not apply to any MF transmitter in the Azores.

720 Antena 1, Miramar; the site has been inactive since the antenna collapsed, and it was not repaired or replaced. In fact, the property has been put on sale (I saw the adv. on the gate last August, but my anger refrained me from taking any photos), and learned today from the RTP, that it has already been sold. (Carlos Gonçalves via Ydun's Medium Wave Info 227.1.2017)

SOUTH AFRICA: In an era of station closures it is nice to celebrate a new addition to the airwaves. Over the last few weeks LM Radio has been building a new high MW mast for the 50 kW transmissions on 702 kHz from Gauteng. (Medium Wave Circle 8.3.2017)

UNITED KINGDOM: New on mediumwave here in the UK is Radio Panj, transmitting on 1521 kHz from Coventry in the West Midlands. It's a community station broadcasting almost exclusively in Punjabi though with occasional English ads and announcements, such as the station slogan "Sound of Five Rivers" ["Punjab" literally means 'land of five rivers']. They have a website with live streaming (but no information) at RadioPanj.com. Radio Panj is co-channel with another UK community station, Flame Christian & Community Radio, based in the Wirral in the English northwest. (David Kernick, DXLD 29 Jan)

WESTERN HEMISPHERE

ANGUILLA: I just returned from St Martins where I could see Anguilla from the beach in front of our rental but was unable to hear anything on shortwave from the Caribbean Beacon. I was likely to close. The 1610 AM was strong and clear just about all day. I found no sign of the 690 frequency that I have seen listed in the past. Back home in Mass. I can hear 11775 with distorted audio but an S9+20 signal at 2000 UTC. (Stephen Wood, DXLD 29 Jan)

COLOMBIA: 890 HJCE Cadena Radial Vida, Bogotá, ex Radio Continental/Radio Todelar.

1030 HJGX RPC Radio, Loricá, ex Caracol

1050 HJDR Vida, Medellín, ex Radio Unica

1080 HJJF Vida, Cali, ex Radio Eco

1360 HJRA Radio María, Pereira, ex Ecos 13-60. (Now all day with Radio María programs)

1390 HJZY Radio María, Bucaramanga, ex La Primera (now all day with Radio María programs)

1. Vida 890 in //1130 for various hours a day, in the night musical programs

2. Vida 1050 and Vida 1080 don't have any own QTHs, for the moment they relay the satellite signal from Vida Bogotá 1130 kHz.

(Rafael Rodríguez via Mauno Ritola, ARC)

ECUADOR: HCJB's AM frequency of 690 went silent on 31 December 2016. The last song to play featured panpipes and stringed instruments accompanying women singing a Christmas song in the Quichua language followed by comments in the same language by Luis Santillán. Earlier in 2016, signal strength from its 50,000-watt transmitter had been reduced and airtime pulled back in keeping with the decision made by the board of trustees of partner HCJB Ecuador to not file with the Agencia de Regulación y Control de las Telecomunicaciones (Telecommunications Regulatory and Control Agency or ARCOTEL) for renewal of the 690 kHz frequency. It was a frequency that HCJB La Voz de los Andes (HCJB The Voice of the Andes) had held since 1974 on the medium wave (AM) dial. The silencing of 690 AM came 7 years after shortwave broadcasts were terminated from the international transmitter site at the nearby town of Pífo. HCJB's first programs aired on Christmas Day 1931, when there were a dozen or perhaps fewer radio sets in the Ecuadorian capital, Quito. Nevertheless, a telephone call afterwards convinced its founding families that their program of Christmas carols and preaching had been heard. Since then the programming has offered listeners Christian teaching, music, public affairs reporting, news and more. Prior to 1974, HCJB used 974 kHz (circa 1935 to 1950) followed by a shift to 700 kHz in 1951. The shift to 700 was "for better reception with the signal reaching at least to Connecticut in the US at times," according to missionary Duane Birkey. Throughout its history HCJB has been a not-for-profit entity. Its advertising, therefore, is limited but audience shares are important. Some of the AM programming has been carried as simulcasts on FM 89.3 in Quito and on FM repeaters elsewhere throughout the Andean country. While these will continue and some of the other AM programs will pass to FM, most of them will not as FM has a more musical format.

(Ralph Kurtenbach at calloftheandies.wordpress.com via Rich McVicar, DXplorer via wwdxc BC-DX TopNews)

HCJB1 La Voz de los Andes, Quito went silent on AM at 9 p.m. Sunday, December 31 2016. (DXplorer 17.1.2017 via Thomas Nilsson, ARC)

MEXICO: The following stations reported off the air:

1190 XEJPA La Mexicana, Cuernavaca (Héctor García Bojorge via Mauno Ritola, ARC)

1340 XEASM Éxtasis Digital, Cuernavaca (Héctor García Bojorge via Mauno Ritola, ARC)

1390 XEKT La Super KT, Tecate (Tim Hall, ABDX via Mauno Ritola, ARC)

1520 XEART Señal 152, Joutla (Héctor García Bojorge via Mauno Ritola, ARC)

730 XEX W Deportes, México – This is the former sports format TDW Radio, and apparently just switched slogan, per Wiki: "The sports format continued through January 5 2017, when TDW Radio bid farewell to its listeners. The station was relaunched the following Monday as W Deportes". (Terry Krueger, DXLD 5 Feb)

900 XEW-AM reduced its power; it currently emits with 100 kW. For the months of June-July 2016, its transmission tower was dismantled after changing the location of the transmission plant to Los Reyes, Acaquilpan. Along with XEW, XEX-AM with 60 kW and XEQ-AM with 30 kW were also moved to the recent transmission plant. (RadarDX via DXLD 27 Mar)

PUERTO RICO: 580 WKAQ San Juan – granted STA extension, U1 4500/4500. (NRC DX News 84/10) Originally U3 10000/10000, then with STA of U1 10000/4500 (NRC AM Log 2016-2017 via DXLD)

Day and night patterns both had deep null toward The Mainland, with major lobe to the SE, ergo while on this STA, United Statesians have a better chance of hearing it. (Glenn Hauser, DXLD)

940 WIPR San Juan – applies to extend STA, U1 10000/2500 from WKAQ-580 tower. (NRC DX News 84/09)

1330 WENA Yauco – Applies for U3 1500/1500, moving to 18°01'16"/66°51'52". Applies to extend STA, U1 500/500 longwire at CP application site (see above).

(NRC DX News 84/11)

1460 WRRE Juncos – silence per 27.1.2017. (NRC DX News 84/10)

1520 WRSJ San Juan has changed format again: Now news, mostly or exclusively in English, from among others VOA and France 24.

(Fredrik Dourén, Odd Påg, Jan Edh and Thomas Nilsson, ARC)

1580 WVOZ Morovis "On March 13, 2017, WVOZ resumed operations, broadcasting the full WAPA Radio News Network schedule." (Bo Olofsson, ARC)

VENEZUELA: 1330 YVOY Radio Los Llanos reported inactive. (Mauno Ritola, ARC)

I am pleased to report that RNV El Informativo 1310, Barcelona, Estado Anzoátegui and Radio Deporte 1590, Caracas have been reactivated. Also back on the air is Radio Centro 610 in Cantaura, Estado Anzoátegui. But Unión Radio 640 has been off the air for more than two weeks and Radio Barcelona 1080 for three months. Hopefully they will also soon be reactivated. (José Elías Díaz Gómez, WRTH fb group, translation Christer Brunström, ARC)

660 YVNA Ondas de los Medanos Coro off the air.

1350 YVTJ Radio Falcón, Puerto Cumarebo off the air. (Max van Arnhem visiting Curaçao via Mauno Ritola, ARC)

640 YVQO Deportes Unión Radio, Puerto La Cruz – "I am informed that 640's transmitter site was pretty well trashed by thieves/vandals, who stole all the copper they could find; air conditioning, plumbing, ground straps, all the usual. Hopes are to get it back on soon". (Glenn Hauser, DXLD 20.3.2017)

PUBLICATIONS

The **British DX Club** has published/updated a number of interesting guides to AM broadcasting in different regions of the world:

Africa on Mediumwave & Shortwave: A comprehensive country-by-country guide to domestic and external broadcasts from Africa, including selected opposition and target broadcasts to the African continent. The document is in pdf format. January 2017.

Broadcasting in Afghanistan: A comprehensive guide to shortwave and mediumwave broadcasts to and within Afghanistan. The document is in pdf format. Updated January 2017.

External Services on Medium Wave: A frequency-order guide to external services on medium wave from stations in Europe, Africa, the Middle East and Asia. Also includes some foreign and minority-language programming carried on domestic MW services. Updated January 2017.

Middle East & Caucasus on Mediumwave and Shortwave: A comprehensive guide to short and mediumwave radio stations in the Middle East and Caucasus. In country order, pdf format. Updated January 2017.

South Asia on Mediumwave and Shortwave: A handy guide to shortwave radio stations in India, Pakistan, Bangladesh and Nepal. In frequency order, pdf format. Updated January 2017.

These and other publications can be downloaded at <http://bdxc.org.uk/articles.html>. (Dr Hansjoerg Biener (31/1-2017), mediumwave.info)

The 21th edition of the "Broadcasting in Russian" Handbook (winter 2016-spring 2017), published by St Petersburg DX Club, has been recently released. The handbook is the most comprehensive guide to broadcasts in Russian in AM bands (LW, MW, and SW). It features ALL radio stations transmitting Russian language broadcasts at present, both from Russia and abroad, that could be received in Russia, CIS, Europe and Far East (totally 56 stations from 32 countries and territories of the world). Station listings include frequency and programme schedules, transmitter location and power, target areas, postal addresses, phone/fax numbers, Web sites, social network pages, e-mail addresses as well as QSL policy info. The schedules are generally valid until 25 March 2017 (ie during B16 broadcasting season).

The Handbook is in Russian and distributed as a hard copy only. Volume is 64 pages of A5 size. Please address your purchase requests and questions to St Petersburg DX Club: Alexander Beryozkin, PO Box 463, St Petersburg, 190000, Russia or by e-mail: [dxspb\[at\]nrec.spb.ru](mailto:dxspb[at]nrec.spb.ru). The price is 6 EUR or 7 USD (including delivery by registered mail) by cash/PayPal/Skrill. Alexander Beryozkin, St Petersburg DX Club (5/1-2017 via mediumwave.info)

Seoul AM Radio Listening Guide: After a long 14 months of work, I'm happy to present the completed Seoul AM Radio Listening Guide, a three-hour documentary broadcast exploring the Seoul AM band one frequency at a time, plus a look at the radio war on the Korean peninsula accompanied by a 115-page guide. <http://www.beaglebass.com/dx/seoul/> In addition to radio broadcasts from across East Asia, the broadcast includes Korean noise jammers and AM, FM, shortwave, and television propaganda broadcasts from both the north and the south, additionally outlined in a 25-page broadcast transcript and 115-page informational guide. It also includes:

- * A comprehensive list of 260 East Asian AM stations, including station names, tower locations, distance and direction from Seoul, parallel FM frequencies, broadcast hours, and station website links.
- * A full bandscan of 235 regular nightly skywave signals as heard after the sun sets over Seoul.
- * Daytime groundwave bandscans taken from eleven different locations in the Seoul metro area, along the North Korean border, beside the sea, and in Korea's mountainous interior with background information about each location.
- * A guide showing stations organized by their network affiliations in addition to privately-owned stations and networks. Alternatively, stations are also shown organized by country, region, and city.
- * A chart showing signal strength for each bandscan - day and night - in bar graph format.
- * A full colour-coded regional station map covering both skywave and groundwave signals.
- * A view of some of Korea's signal jammers as seen on an SDR (software-defined radio).
- * Plus, a complete transcript of the three-hour audio broadcast with additional information on the featured audio clips as well as the songs featured in those clips." (Chris Kadlec)

For those who may have downloaded my Seoul AM Radio Listening Guide project (linked at the bottom), I uploaded an update of it recently, which includes the audio, map, and guide. The update should be the only one. I corrected a few tiny errors and some larger ones that I had noted but procrastinated.

612 Radio Taiwan International is included and 684 Kaesong, North Korea as well. Both stations have since gone off the air permanently, so the update turns out to be more of a historical one I suppose. The 612 clip had been misidentified as I had been unaware the station was there and was only on for a number of hours a night with very high power and hard to hear ID-wise with 603 slop from down the road, but a Chinese DXer corrected me on their very distinctive broadcast. 684 is included only in my groundwave log (and in the list by country and network near the end) though it was off the air more than 80% of the time over the course of a year, at least. It was //1080 before they turned off in December.

All updates aside, there will be new content related to that project in the upcoming month.

Fellow DXer Ryan Grabow and I talked about a video bandscan collaboration a whole year ago and it is finally coming to fruition. Not only that, but he has taken the initiative to put together a Seoul daytime video bandscan with my own extra audio clips that I had lying around. This wasn't originally planned, so it should be interesting releasing some new content (not to say it's all that fascinating honestly).

You can see his other video bandscans at his YouTube channel – <https://www.youtube.com/user/egrabow440/videos> – which will give an idea as to what this may end up looking like in the end. It should be nice for those who are stimulated more by the visual side of things.

My Seoul AM Radio Listening Guide project has been visited by 1,100 people in the past 7 weeks (slightly up from my predicted 30 visitors), some of them visiting every week, showing it must have some sort of database quality to it. I guess this is good. (Chris Kadlec, Seoul AM Radio Listening Guide)

2017 editions of ENDBH and NANDBH: The brand new 2017 editions of the popular ENDBH and NANDBH handbooks and CDs are ready! The updated ENDBH contains the data of more than 7200 NDBs on 150+ spiral-bound pages in A4 format and the NANDBH shows the data of more than 5000 NDBs on 130+ pages. The CD versions of the handbooks contain an updated Google Earth waypoint file so that you can "visit" NDB locations around the globe. New pictures have been added to the NDB picture collection, and the NDB sound clip section has grown as well. In case you're interested in ordering a handbook or CD for other parts of the world please don't hesitate to ask, I'm able to produce customized versions for your special needs. Delivery of the CDs will be via download. If you want a physical copy of the CD please indicate this when ordering. Prices have been adjusted to reflect the latest changes in postage rates and foreign currency exchange rates. Please find all relevant details at the following URL: <http://ndblist.info/beacons/NDBpublications2017.pdf> And once again I'd like to thank all NDB DXers for your continued support, it is really appreciated :-). (Michael Oexner HCDX)



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

Gotta Love an FSL on the Pacific Coast!!!! (via eGroup)

Craig Barnes, DXing from Kalaloch WA, Tecsun PL-310 with a "baby" 3.5 in FSL

3/26. First off what an amazing experience DXing with an FSL for the first time! The dial was alive with signals this morning. I started listening at 1326 3/26.

- 594 **JAPAN** JOAK, Tokyo, NHK1. W/male and female in Japanese; I estimate an S6 signal.
- 657 **DPR KOREA** Pyongyang, Pyongyang BS. Booming in with female singing; approx. S7.
- 693 **JAPAN** JOAB, Tokyo, NHK2. Weaker with male speaking.
- 702 **CHINA?** With weak audio and flutter fading.
- 792 **UnID.** With weak audio
- 828 **JAPAN** JOBB, Osaka, NHK2. With time pips, female speaking in Japanese, rapid fading earlier, more stable signal a bit later.
- 972 **REP KOREA** HLCA, Dangjin. With female singing, rapid fading early, more stable signal later.
- 1017t **CHINA** Changchun, CRI. Male speaking quick fades.
- 1053 **DPR KOREA** Haeju. With female speaking, weaker signal.
- 1287t **JAPAN** JOHR, Sapporo, HBC. With two men speaking, about an S6 level.
- 1296 **CHINA** Kunming, CRI? With weaker audio.
- 1323t **CHINA** Shuangyashan, CRI. Music with quick fading.
- 1386t **JAPAN** NHK2 synchronos. Weaker audio and long, deep fades.
- 1422t **JAPAN** JORF, Yokohama. With weak audio.
- 1566 **REP KOREA** HLAZ, Jeju, FEBC. With hymn at armchair level, sounded like an antenna pattern switch at about 1515, signal dropped noticeably.
- 1593 **CHINA** Changzhou, CNR1. With male speaking, short, deep fades.

What a terrific TP morning for this "dry-lander"! Many thanks to Gary DeBock and his amazing baby FSL. And this is the small one!!! Wow! Thank you Gary! I'm amazed at what this little FSL can do in conjunction with an Ultralight!

3/27. Conditions were down from yesterday, with a sunrise enhancement. A lot more adjacent channel splatter was heard this morning. I listened from 1314 to 1526.

- 594 **JAPAN** JOAK, Tokyo, NHK1. Male speaking in Japanese.
- 657 **DPR KOREA** Pyongyang, Pyongyang BS. Female singing ballad? faded.

- 693 **JAPAN** JOAB, Tokyo, NHK2. Male speaking in Japanese.
 747 **JAPAN** JOIB, Sapporo, NHK2. Weak audio, under splatter.
 774 **JAPAN** JOUB, Akita, NHK2. Male and female w/English lesson, noticeably better with sunrise enhancement.
 828 **JAPAN** JOBB, Osaka, NHK2. With weak audio,
 1566 **REP KOREA** HLAZ, Jeju, FEBC. Male speaking, good on peaks, also subject to deep fades.

Asian hets were detected on 639, 702 and 972.

Tried for a few DUs (thanks Nick for the DU pointers!) DU hets detected on 612, 891 and wispy, faint audio on 1611.

Even with less than favorable propagation conditions, the baby FSL continues to impress! My next report will be from Rockaway Beach OR.

3/28. Propagation conditions were down this morning. My report seems rather sparse compared to the last two mornings. I listened from 1305 to 1500.

- 594 **JAPAN** JOAK, Tokyo, NHK1. Male and female speaking followed by female singing in spurts, fading in and out.
 693 **JAPAN** JOAB, Tokyo, NHK2. Female speaking deep fades, fair on peaks.
 774 **JAPAN** JOUB, Akita, NHK2. The star of the show this morning with the best consistency. English lesson, strong for quite a while.
 1422t **JAPAN** JORF, Yokohama. Very weak fluttery audio, under adjacent channel spatter.
 1566 **REP KOREA** HLAZ, Jeju, FEBC. Male and female speaking, subject to deep fades, fair to good on peaks

Hets were received on 621, 702, 891, 972 and 1098.

At Kalaloch I oriented the FSL at about 310 degrees. This morning I used JOUB as an indicator for optimal direction under these weaker TP propagation conditions. JOUB was best at about 260 degrees, so I DXed at that directional setting.

I imagine as Richard Allen alluded to, if I was in Colorado, I doubt that there would be so much as a het to be had. I'm feeling somewhat spoiled by the conditions during my first morning DX session at Kalaloch. I also wonder if the Olympic Mountains to the east of that location help attenuate some of the BCB signals from the lower 48.

3/29. Thankfully, this morning exhibited a bit of an uptick in propagation conditions. Japan remained the star of the show. I listened from 1320 until about 1500.

- 567 **JAPAN** JOIK, Sapporo, NHK1. (I think) with weak audio male and female speaking in presumed Japanese.
 594 **JAPAN** JOAK, Tokyo, NHK1. With weak audio and male speaking.
 693 **JAPAN** JOAB, Tokyo, NHK2. Weak audio with deep fades, female speaking.
 747 **JAPAN** JOIB, Sapporo, NHK2. Weak audio, man speaking.
 774 **JAPAN** JOUB, Akita, NHK2. Booming in with English lesson, male and female conducting lesson.
 828 **JAPAN** JOBB, Osaka, NHK2. With male and female conducting English lesson at decent signal levels.
 1566 **REP KOREA** HLAZ, Jeju, FEBC. With hymns, decent signal on peaks.

Asian hets were received on 558, 639, 702, 738, 972, 981, 1089, 1179 and 1242.

DU hets were received on 612, 702, 891 and 1548.

Time to head back to Colorado and look forward to Hawaii next month. Meeting Gary DeBock and discussing radios, antennas and DX remains one of the highlights of the trip!

[DXpedition to Masset 24 – 30 March 2017 \(via eGroup\)](#)

I just returned from a one week visit to my DX cottage near Masset BC on magical Haida Gwaii, off the north west coast of North America. My cottage is located on the ocean, and is 70 km due south of Ketchikan AK, the nearest city to my QTH. On this visit, I started with my usual ALA 100 LN permanently mounted in a large diameter aimed NE/SW, and my favourite antenna, the 750'+ BOG aimed to the NW. After several days, and especially when a large geomagnetic storm hit, favouring signals to the south (ie Australia/NZ), I also added my DKAZ aimed at the east coast of Australia, and a due north mini-Beverage of about 450' in length, in case there were any Euro openings. Conditions were definitely challenging, owing to the solar conditions. Nonetheless, it was fun hearing 4MK 1026 from Australia at armchair level during the peak of the storms. My receiver set up, are 2 Perseus SDRs, with one dedicated exclusively to Mestor (timed recordings of the entire MW and LW band), while the other is for live DXing. An AOR 7030+ receiver is also used, primarily to record interesting programs (like the several Indonesians on the tropical bands). As always, lots of fun, especially with the near zero noise floor. Now, if I could just get internet access! Having just returned from Masset, please let me know if there are any errors or omissions/corrections. Returning home this time was a 3 day journey, leaving Thursday afternoon to catch the overnight ferry to the mainland, then another full day and night on the same ferry coming down to the north tip of Vancouver Island at Port Hardy, and another 6+ hour drive home to the opposite end of the island to Victoria! 73, **Walt Salmaniw**, Victoria, BC

- 189 **ICELAND** Rikisutvarpid Ras 1, Gufuskalar. 0501 3/26 Very nice reception tonight. Once again, nothing to write home about with European stations on MW. Briefly heard 1215 Absolute Radio last night, but gone when I rechecked, and Iceland was heard also at poor to fair level. Much stronger tonight, but interesting, nothing on MW. Only using my ALA 100 aimed NE/SW, as the NW BOG is pointing in the wrong direction!
- 684 **UnID PHILIPPINES**. 1405 3/30 Not sure who this is that dominates the frequency over the Japanese this morning. Quite certainly Tagalog (or maybe Bahasa?) Hopefully my TOH recording will solve the mystery. 3 Filipino stations are listed (DYEZ, DWJJ, and DZCV) and a single RRI Mataram. By 1414, China replaced the Japanese and ?Filipino station.
- 765 **DPR KOREA** Hyesan, KCBS. 1423 3/26 I was hearing one of the Japanese on frequency at fair to good level, when a co-channel male came on with strident speaking, which I am assuming should be North Korea. By the time I checked for // frequencies, Japan came back at very good level.
- 774 **JAPAN** JOUB, Akita, NHK2. 1528 3/26 Excellent reception with, I thought initially was an Arabic lesson, but by 1529 in Brazilian Portuguese for sure. Not listed in the January 2017 PAL, which indicates English lessons until 1520 s/off. Nope, not this Sunday! A bit earlier, plenty of co-channels. Very powerful, absolutely armchair copy. Sign off at 1535 today. A Mandarin speaker came up at 1536:20. Hubei RGD is who is usually found here.
- 801 **GUAM** KTWG, Agana. 1438 3/27 I initially thought this to be Rhema with C&W style inspirational music. Fair level. The bands are best (what there is of them) in the lower half. Japan is very modestly present with the first tier stations only (594, 693, 747, 828, etc). A weird morning! Rechecking a few minutes later, at 1444 and very nice signal now. Same genre music. One of the strongest stations of the morning from DU. I went back and listened again to 801 at up to 1500. At the TOH, a child gives an ID in American accented English. I now believe this is the 10 kW KTWG in Agana, Guam, rather than Rhema. I went back to the Perseus overnight TOH wav files. First het noted at 0900. I see LSS at Agana is about 0830. First weak audio noted at 1100, and better each hour until 1400 when reception is very good. At 1358, they mentioned 'Through the Bible' program, and then a PSA about being a good Mom (limiting TV time, and not screaming at your kids, etc.). Everything with American accented English. Excellent reception through that hour, but not one voice announcement, unfortunately until 1500, when reception was starting to fall off. Thanks to Chuck Hutton for confirming my suspicion.
- 990t **PHILIPPINES** 1439 3/29 Almost certainly a Filipino station here, but suffering from a lot of adjacent splatter. 2 co-channels, but the dominant had that typical style of a Filipino station. I was expecting to hear JORK (an NHK1 station in Kochi), but no sign of that one. I don't think it's a domestic, either, as most of North America is well into daylight. Suffering from splatter from 999 and 1000. 3 Filipino stations listed. I'm seeing a number of carriers with 989.999 the strongest, 999.004, .009, and .016 as well.
- UnID USA?** 1424 3/30 I'm hearing 2 stations co-channel. One is in Tagalog, with many mentions of Filipino, but also about US politics. This is the dominant station, whereas there's also a co-channel Spanish speaker. The latter, presumably is domestic, but is the first as well (likely), but who might they be, if so? Strong at times. Checked back at 1452 to hear an ID as, 'Comedy 990', so this one must be KTHH in Albany OR with listed power of only 250 w day, and 9 w at night! They faded quickly to be replaced by the usual Spanish speaker, and co-channel Filipino.
- 1008 **AUSTRALIA** 4TAB, Brisbane, Radio Tab. 1451 3/27 Briefly at fair/good level with racing play by play, then faded.
- 1017 **CHINA** Changchun, CRI. 1557 3/26 clearly a language service at first with excellent levels, then faded, but at end of program, I could clearly hear 'CRI' given a number of times. PAL only lists Jilin with CRI programming and in Korean, but only between 1100 to 1500. Off by an hour here. Interesting that there was nothing over the 1600 TOH, though! Time pips and presumed ID not until 1600:50. A bit late!
- 1026 **JAPAN** NHK1 synchros. 1432 3/29 whereas the last 2 days was dominated by 4MK, today the Japanese have returned in strength. There are 31 transmitters listed in PAL for NHK1 network here, all with 0.1 kW. Good to very good reception. However, I could still hear a little English co-channel, with a phone number and the same kind of programming as 4MK, so presumably still them co-channel, although much weaker. Listening again, I'm quite certain I'm hearing an ID for DZAR and the Sonshine Radio Network, but will need to confirm this (a Filipino, 25 kW from Quezon City, Metro Manila, Philippines).
- 1062 **PHILIPPINES** DZEC, Pasig-Metro Manila, Radio Agila. 1488 3/30 Good reception with Filipino talk, into EZL female vocal. On the waterfall, I'm seeing 7 transmitters: 1061.991, 1061.992, 1061.995, 1062.000 (strongest), 1062.002, 1062.005 and 1062.007 (also strong), with the strongest being the one closest to nominal. Of course, as usual (!), signal faded down to almost nothing before the TOH. I'm assuming DZEC, as it fits most closely to the format.

- 1062 **REP KOREA** HLKQ, Cheongju, KBS1-Je-il Radio. 1605 3/26 Very powerful signal. Korea, again, is coming in very well this morning. I do note a 1 kHz tone in the background.
- 1215 **UNITED KINGDOM** Absolute Radio synchros. 0512 3/27 finally, some audio! Fairly good reception with modern vocal. Best heard on my N mini-Beverage, but the ALA (NE/SW) is decent, too. Nothing on my NW Beverage as would be expected. A quick bandscan: 1053, presumed TalkSport with fair audio, hets on 999 (?COPE), 909 (RNE or BBC Radio 5). Slim pickings, but it's something! Funny that 189 Iceland was not propagating beyond a het tonight.
- 1233 **AUSTRALIA** 2NC, Newcastle. 1400 3/27 what an amazing morning. One of those, 'what happened to my antenna?' Almost total absence of the normal TPs. Instead, DU is present, but not super strong. There are some unusual stations, such as 1233, which I don't usually associate with DU with ABC fanfare and news. Good reception.
- 1269 **UnID**. 1423 3/27 2 co-channels here. The first, weaker, is on 1269.000, while there's another, off channel, on 1269.099 kHz. Possibly the Filipino?
- 1296 **AUSTRALIA** 6RN, Wagin, ABC National. 1405 3/27 in parallel to just mentioned 1233, so it's likely an ABC station. There's also another station co-channel, though, so either 4RPH, Brisbane or Newstalk, Hamilton NZ.
- 1386 **REP KOREA** HLAM, Mokpo, MBC. 1611 3/26 not sure who's on 1386 at this time, playing David Bowie. Ah, it's MBC //900. Good to very good levels.
- 1440 **JAPAN** JOWF, Sapporo, STV. 1601 3/25 checking this frequency for the American Korea AFN station(s). Nothing definite heard, but a very strong Japanese station with 'All night Nippon' clearly heard at armchair copy. Presumably JOWF from Sapporo, Hokkaido with 50 kW. I can weakly hear co-channels, but I'm not able to tell whether these are domestic, or other TP stations.
- +1616 3/26 Armchair copy, with very weak co-channel (domestic presumed, although could be AFN Korea). What caught my eye, was the young woman DJ mentioning, 'Dobryi vechir' twice, which means good evening in Ukrainian, and likely other Slavic languages. Interesting!
- 1575 **JAPAN** Misawa, AFN, 1100 3/28 interesting, as I hear 2 AFN feeds, not in sync, but both with news. No local IDs. The dominant one, 'You're listening to AFN', then what sounded like 'KPR news'. The other feed is almost 20 seconds later. Could make out 'worldwide' when they started the news there. Presumably the dominant one is Misawa, while the other one has to be either Iwakuni or Sasebo. Not often both are heard simultaneously.
- 1584 **REP KOREA** KBS1 synchros. 1409 3/25 Very well heard with bubble jammer. Only heard on my NW BOG, and not on the ALA 100 (aimed NE/SW). NHK1 network also heard, often at good levels (100 w only). Is this North Korea, possibly? On checking for //, I'm also hearing probable KBS1 with 1 kW. Interesting channel! Both Chris Kadlec, and Mauno Ritola confirm it's North Korea, likely jamming the Chinese transmitter in Harbin. Thanks, fellas!
- 1611 **AUSTRALIA** Vision Radio Network. 1417 3/29 More returning to 'normal' conditions with predominantly Asian conditions, except that all 4 antennas seemed to be close to identical in receiving signals this morning. It's as if there was a scatter service for the signals. No one antenna was 'best' across the spectrum. They all worked rather well. Today was the best X-band opening. Audio on most of the channels. 1611 had its usual number of stations, all off frequency. 1610.896 (fair strength), 1610.930 (fairly strong), 1610.983 (weaker), then a smudge between 1610.994 to 1611.004... presumably a number of stations there, 1611.013 and 1611.023 (medium strength). Mostly English talk, so I'm assuming Vision Radio Network here, was the dominant station(s).



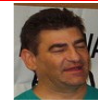
DX FORUM – Richard C Evans – 3908 Grand Oak Ave Apt 4 – Indianapolis IN 46237
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DEADLINES: Saturdays

Deadlines: 4/15, 4/28, 5/13, 5/27, 6/10, 6/24, 7/15 and 8/12

Kraig Krist, KG4LAC, Manassas, Virginia

When I hear a new station, yes I'm excited to add a new station to my log, but I also enjoy learning about where I'm hearing. Using maps.bing.com, or any search engine, I find the city of the station. Where is it? History? What is it near? What "Things To Do", "Food", "Activities", population, etc are in and around the town? Is there a major industry or other interesting item in the town? By doing some research on the town I'm able to somewhat get an understanding of the town, the people, the community and hopefully the station instead of simply logging a new one in my log book. Here's an example. I recently heard WHBN Harrodsburg, Kentucky for the first time. Research Harrodsburg KY and I learn they are a home rule-class city in Mercer County, Kentucky. Another. Recently heard WRSA in Saint Albans VT is not too far from the Canadian border. I find these things most interesting and informative. 73s.



GEOMAGNETIC INDICES – Compiled by: Phil Bytheway

E-mail: phil_tekno@yahoo.com

Geomagnetic Summary March 1 2017 through March 31 2017

Tabulated from email status daily (K @ 0000 UTC)

Date	Flux	A	K	Space Wx										
3/ 1	81	36	6	moderate, G2	3/12	70	9	1	no storms	3/23	72	11	1	no storms
2	79	32	3	minor, G1	13	70	3	0	no storms	24	72	6	0	no storms
3	78	33	1	minor, G1	14	70	4	1	no storms	25	74	4	1	no storms
4	75	22	4	minor, G1	15	70	7	3	no storms	26	77	4	1	no storms
5	73	16	4	no storms	16	71	6	1	no storms	27	83	54	5	moderate, G2
6	72	25	4	minor, G1	17	71	4	2	no storms	28	84	32	3	minor, G1
7	72	16	3	no storms	18	70	2	1	no storms	29	83	21	3	no storms
8	71	10	3	no storms	19	71	2	1	no storms	30	86	23	5	minor, G1
9	71	15	2	no storms	20	73	2	0	no storms	3/31	36	23	5	minor, G1
10	71	12	2	no storms	21	71	26	4	minor, G1					
3/11	70	6	3	no storms	3/22	73	27	5	minor, G1					

Gx – Geomagnetic Storm Level

Rx – Radio Blackouts Level

Sx – Solar Radiation Storm Level



SPORTCHANNELS IRCA – Compiled by: Eric Bueneman (NØUIH)

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Welcome to another edition of SportChannels! Soccer season is under way, so we're presenting the station listings for Major League Soccer. Flagship stations are in **boldface** type, Spanish and Portuguese language flagships in **boldface italics**.

EASTERN CONFERENCE

ATLANTA UNITED FOOTBALL CLUB Web: atlutd.com/

Games not available on radio; televised on Fox Sports South and Fox Sports Southeast.

CHICAGO FIRE Web: chicago-fire.com/

Games not available on radio; televised in English on Comcast Sports Net Chicago and Spanish on UniMas.

COLUMBUS CREW English: Neil Sika, Dwight Burgess, Spanish: Juan Valladares, Web: columbuscrewsc.com/

102.5 WWCD Baltimore, OH (English)

103.1 WVKO-FM Johnstown, OH (Spanish)

DISTRICT OF COLUMBIA UNITED Web: dcunited.com/

Games not available on radio; televised on American Sports Network, alternating between Newschannel 8 (cable) and WJLA ABC 7 Washington DC (air).

MONTREAL IMPACT Web: impactmontreal.com/

No broadcast information available

NEW ENGLAND REVOLUTION English: Brad Feldman, Paul Mariner, no Portuguese PBP personnel info available, Web: revolutionsoccer.net/

1570 WMVX Methuen, MA (Portuguese)

98.5 WBZ-FM Boston, MA (English)

NEW YORK CITY FOOTBALL CLUB No play-by-play personnel information available, Web: nycfc.com/

660 WFAN New York, NY (English – select games)

101.9 WFAN-FM New York, NY (English simulcast – select games)

1280 WADO New York, NY (Spanish)

Other English games available on WFAN's Web stream.

NEW YORK RED BULLS No play-by-play personnel information available, Web: newyorkredbulls.com/

English and Spanish play-by-play coverage available only via the Web site or on the Tune-In stream.

ORLANDO CITY FOOTBALL CLUB No play-by-play personnel information available, Web: orlandocityfc.com/

990 WDYZ Orlando, FL (Spanish)

No English language radio play-by-play available.

PHILADELPHIA UNION Web: philadelphiaunion.com/

Games not available on radio; televised on Comcast Sports Net Philadelphia.

TORONTO FOOTBALL CLUB Web: torontofc.ca/

Games not available on radio; televised on TSN.

WESTERN CONFERENCE

COLORADO RAPIDS No play-by-play personnel information available, Web: coloradorapids.com/

950 KKSE Parker, CO (English)

87.7 KXDP-LP Denver, CO (Spanish)

FOOTBALL CLUB DALLAS No play-by-play personnel information available, Web: fcdallas.com/

660 KSKY Balch Springs, TX (English – select games)

100.7 KWRD-FM Highland Village, TX (English – most games)

1270 KFLC Benbrook, TX (Spanish)

HOUSTON DYNAMO English: no PBP personnel information available, Spanish: Daniel Mejia, Lester Gretsches, Web: houstondynamo.com/

610 KILT Houston, TX (English – most games)

1010 KLAT Houston, TX (Spanish)

95.7 KKHH-HD3 Houston, TX (English – select games)

650 KIKK Pasadena, TX (English – select games)

SPORTING KANSAS CITY English: Nate Bukaty, Matt Lawrence, Jillian Carroll, No Spanish language PBP personnel info available, Web: sportingkc.com/

810 WHB Kansas City, MO (English)

1340 KDTD Kansas City, KS (Spanish)

99.3 K257DZ Kansas City, MO (relay of WHB 810)

LOS ANGELES GALAXY Web: lagalaxy.com/

Games not available on radio; televised on Spectrum Sports Net (English) and Spectrum Deportes (Spanish).

MINNESOTA UNITED FOOTBALL CLUB Callum Williams, Kyndra de Saint Aubin, Jamie Watson, Web: mnufc.com/

1500 KSTP Saint Paul, MN only

PORTLAND TIMBERS English: Jake Zivin, Ross Smith, Samantha Yarock, no Spanish PBP personnel info available, Web: portlandtimbers.com/

750 KXTG Portland, OR (English)

93.5 K228EU Portland, OR (relay of KGDD 1150)

1150 KGDD Portland, OR (Spanish)

102.9 K275CH Gresham, OR (relay of KXTG 750)

REAL SALT LAKE No play-by-play personnel information available, Web: realsaltlake.com/

700 KALL Salt Lake City, UT only

SAN JOSE EARTHQUAKES Web: sjeearthquakes.com/

Games not available on radio; televised on Comcast Sports Net Bay Area.

SEATTLE SOUNDERS English: Matt Johnson, Keith Costigan, Kasey Keller, Spanish: Mario Rodriguez, Carlos Tapia, Felipe Maqueda, Web: soundersfc.com/

1360 KKMO Tacoma, WA (Spanish)

97.3 KIRO-FM Tacoma, WA (English)

VANCOUVER WHITECAPS No play-by-play personnel information available, Web: whitecapsfc.com/

1040 CKST Vancouver, BC (select games)

1410 CFTE Vancouver, BC (most games)

That's going to wrap up this column. In the next edition of SportChannels, we start our Major League Baseball network lists with the Central Division of the National and American Leagues. 73 and play hard!

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 November through March, twice monthly from April to November.) **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 e-mail service, contact the moderator, Lynn Hollerman at lynnhollerman@yahoo.com.

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