

The **NASNA** Journal

VOLUME LIX NUMBER 12

DECEMBER 2019



North American Shortwave Association - America's Shortwave Broadcast Club

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RADIO Q & A

By **Bob Grove W8JHD**. Here are the answers to hundreds of question about shortwave, scanner, ham radio, test equipment, antennas, frequencies, terminology and much more. Loads of fun and entertaining factoids that just don't show up anywhere else. © 2017 128 p.

Order #0572 \$9.95

Be sure to note our new address!

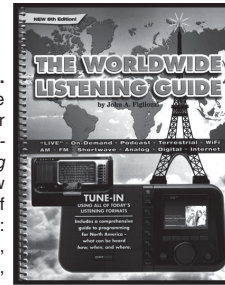


WORLDWIDE LISTENING GUIDE

By **J. Figliozzi**.

Modeled on the author's popular *Worldwide Shortwave Listening Guide*, this new book covers all of today's formats: live on-demand, podcast, satellite, Internet, digital, analog, AM, FM, shortwave and wi-fi. Learn what can be heard how, where and when! Spiral bound 8th Ed. 192 p. ©2017. List \$29.95.

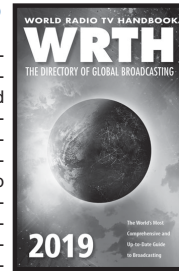
Order #6521 \$27.95



2019 WORLD RADIO TV HANDBOOK

This respected publication is filled with schedules, frequencies and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a by-frequency listing of shortwave broadcast stations, plus receiver reviews. ©2018. 73rd Ed. 672 p. List \$49.95.

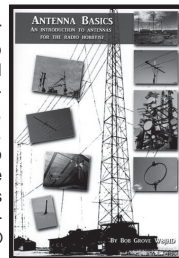
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ANTENNA BASICS

By **Bob Grove**. If you are new to the radio monitoring hobby, and want a great introduction to antenna topics, this book is for you. Noted author, Bob Grove covers a wide range of topics in his usual clear and understandable manner. © 2017 Grove 75 p.

Order #3773 \$9.95

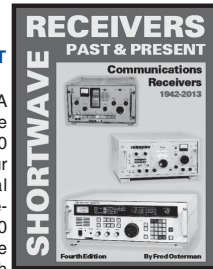


SHORTWAVE RECEIVERS PAST & PRESENT 1942-2013

By **F. Osterman**. A comprehensive guide to over 1700 shortwave, amateur and commercial communications receivers (plus 1200 variants) made in the last 70 years. With 1800 photos and information including: coverage, circuit, display, features, performance, new & used values (for most), reviews, etc. Over 360 manufacturers are represented. Become an instant receiver expert. Hard bound Fourth Ed. Second Printing. ©2014 URR. 800 p.

Order #0004 \$49.95

Special Sale Price \$39.95



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NASA Notes

Richard A. D'Angelo • 2216 Burkey Drive • Wyomissing, PA 19610 • rdangelo3@aol.com

It's hard to believe that another calendar year has come and gone. I hope the year was filled with some good shortwave radio listening opportunities. If not, now is a good time to begin planning your listening sessions for the 2020 calendar year. As we traditionally do each December, our color cover is a conglomeration of the eleven covers presented during the course of the year. We started the year off with the Voice of Turkey followed by the Voice of Nigeria before moving on to South Africa as they closed down their transmitting facilities. April saw our Member of the Year (Bob Brossell) recognized on the cover before moving on to Spain, Kuwait, Taiwan, followed by Radio Habana Cuba, the Voice of Vietnam, Radio Romania International, and finally KBS World Radio. Thanks to John Herkimer for another great year of timely and historical covers and to Rich Cuff for making the color presentation possible! Great work, gents!

Our first trip to French Creek State Park for a DXpedition took place in 17-19 November. Although shortwave listening conditions were far from optimal, we did manage to catch a lot of stations from around the world with a strong emphasis on the Pacific/Asian region. Latin America was quiet on the tropical bands and Africa was somewhat of a disappointment. Nevertheless, we manage to have a great

time listening to shortwave broadcasts and partaking in some fun discussions. The picture features our little DX team. From left to right is Dan Robinson, Tracy Wood, Dave Turnick and your truly. In the background is our cabin at French Creek State Park. That's Dave Turnick's Wellbrook loop antenna right behind the group which was a fine performer during the DXpedition.

A great holiday gift is the World Radio Television Handbook (WRTH). The WRTH should be available shortly from Universal Radio in Ohio. The famous "WRTH" has been respected for seven decades as the definitive source of broadcast radio information. With the help of an international network of contributors, this invaluable annual provides the latest information on shortwave, medi-



Unity and Friendship

um-wave, and FM broadcasts and broadcasters. You also get propagation predictions and maps. Country-by-country lists of services and broadcasters, winter shortwave frequencies, an expanded clandestine section, and international and domestic broadcasts by frequency and language, television broadcasters, broadcaster abbreviations, DX club information, Internet resources, updated maps showing global SW transmitter sites — all this and much more has been packed into this remarkable one-volume resource. Authoritative receiver reviews are also featured including: Elad FDM Duo R, Airspy HF+ Discovery, Tecsun 310et and the SDRPlay RSPDuo's Diversity upgrade. Special articles in the 2020 edition include: HF Transmitting Antennas, Sea Breeze & Wind from Japan, Radio on New Caledonia, Sfax Transmitting Site and Medium Wave Propagation. 74th Edition. The WRTH is 672 pages, including 64 pages in full color, and is available from Universal Radio (Order #2020) for US\$44.95 (expected December 21) with Flat Rate Shipping up to US\$50.00 for US\$6.95. There are many ways of getting your favorite radio equipment and publications from Universal Radio. You can write to them at Universal Radio, Inc., 651 Lakeview Plaza Blvd. Suite B, Worthington, OH 43085 U.S.A. Phone and FAX lines are 1 800 431-3939 Orders & Prices; 1 614 866-4267 for Information and 1 614 866-2339 FAX. Phone hours are Monday to Friday: 9:30 AM to 5:30 PM and Saturday: 9:30 AM to 3:00 PM (Universal is in the Eastern Time Zone).

Another good holiday gift idea is DXtreme Monitor Log 12. Member Bob Raymond of DXtreme Software™ is pleased to announce that the latest version of their logging software for radio and TV monitoring enthusiasts, DXtreme Monitor Log 12, is now available. The new version of their popular logging program lets listeners and DXers log the stations they've heard using features that enhance

their monitoring experiences. When starting Monitor Log 12 the first time as a new user the user can select the country format they want to use: NASWA Countries or ARRL Entities. Country information is fully editable when changes occur. The Schedule Checker lets users import schedules from Aoki, EiBi, and FCC AM web sites. A list box lets users switch between schedule types. And users can filter schedule information by band, frequency, station, country, time of day, language, and more. When the What's On Now? function is activated, the schedule refreshes automatically at the top of each hour for Aoki and EiBi schedules. For each schedule item, Schedule Checker queries the Monitor Log 12 database to let users know — through user-defined, foreground and background display colors — whether they need to monitor a station for a brand-new or verified country. Users can log stations across the radio spectrum — from long wave, to medium wave, to short wave, and beyond. Users can also select the display of kHz or MHz frequencies. Users can create customized paper and e-mail reception reports for sending to stations plus club report entries for reporting catches to clubs and magazines. When users add or display a log entry, Monitor Log 12 prepares a post announcing their DX catch and displays it on the Social Media Post tab. Using the Script Editor window, users can create and edit scripts that format reception reports, eReports, and social media posts. Users can also print SWL and Address labels on industry-standard label stock. DXtreme Monitor Log 12 runs in 32- and 64-bit versions of Microsoft® Windows® 10, 8.1, 8, 7, Vista®, and XP. It retails for \$94.99 USD worldwide for electronic distribution. Pricing for CD versions and upgrading users is available on their Web site. All prices include product support by Internet e-mail. For more information, visit <https://www.dxtreme.com> or contact Bob Raymond at bobraymond@dxtreme.com.

I recently received an over-sized postcard from The National Association of Broadcasters (NAB) asking for the submission of entries for their 2020 New York Festival Radio Awards to be awarded at their annual gala in New York on 21 April 2020. This Call for Entries asks for submissions by 1 February 2020. Entries can be submitted to them at www.newyorkfestivals.com or via postal system to 260 West 39th Street, 3rd Floor, New York,

NY 10018. In the good old days, there were a number of shortwave broadcast stations and programs that would easily qualify. However, if you have a favorite (news, reports/features, documentary, entertainment or one air talent), why not nominate the program?

That's it for this month. Enjoy this month's edition of the JOURNAL; it's another good one.



Musings

Jerry Alice Lineback • 4422 Sierra Del Sol • Paradise, CA 95969-8116 • jalinebk@gmail.com

Please e-mail your Musings, preferably as MS Word attachments, to jalinebk@gmail.com or mail to Jerry Alice Lineback, 4422 Sierra Del Sol, Paradise, CA 95969-8116. Next deadline is December 24, 2019.

Jerry Alice Lineback, jalinebk@gmail.com, Paradise, CA 95969

Finally, the first snow has, hopefully, brought an end to Fire Season and blackouts. My stepson will be here 3 days for Thanksgiving. We are planning for Christmas already. I have managed to put up most of my Art-Deco posters on the walls and halls in the north wing of our house. We are in the process of mounting family art pieces in the living room and elsewhere. Point is we are feeling almost moved in and more comfortable than before. Trauma damage is being mitigated by counseling.

Please contribute to Musings.

73, Jerry Alice

Richard A. D'Angelo <rdangelo3@aol.com>, 2216 Burkey Drive, Wyomissing, PA 19610

French Creek State Park DXpedition No. 58 (November 17, 18 and 19, 2019): I was the first to arrive for our first DXpedition of the new DX season. Dan Robinson arrived as I was unloading my gear. Dave Turnick followed shortly thereafter. While I was hiking up the wooden trails to set up my long wire antennas, Dan and Dave set up loop antennas which worked much better than my long wires. I may need to think about that going forward. Well after dark and well after most of the initial flurry of DX activity, Tracy Woods appeared rounding out the group. The equipment used consisted of a Ten-Tec RX-340, Drake R-8B and an Eton E1, 500-foot wire essentially north for the RX-340 and 250-foot wire essentially northeast for the R-8B and a whip antenna for the E1. Also utilized was Dan Robinson's W6LVP loop antenna and Dave Turnick's Wellbrook loop antenna which were excellent performers on this DXpedition.

Reception conditions were far from ideal but for the most part, however, the quiet location helped us battle the shortwave bands. We struggled with Africans the first afternoon and evening. However, watching Dan Robinson operate his family of high priced radio gear was riveting entertainment in itself. Utilizing three different chairs, Dan would change seats as he moved from rig to rig comparing signals. It may have been my imagination but there seemed to be a set of headphones for each rig. The Pacific region became the highlighted area of the world for us especially Monday afternoon as a number of good loggings were to be had.

The first night was a serious disappointment. Things didn't appear to improve the following morning but as the morning went on conditions did seem to improve. We also had a good afternoon session enjoying several good openings with the Pacific region once again being the main source of success. However, Monday evening saw a drop-off in conditions again and things didn't improve overnight. Monday's pasta dinner and a few glasses of wine helped us compensate for the deteriorating propagation conditions. The final morning, Tuesday, made us check antenna connections just to see if we were properly connected to our gear. While there is always something interesting on the bands if you keep searching, the big disappointment for me was the lack of activity on the tropical bands. Propagation was a big part of that disappointing equation but the reduced number of shortwave stations operating on the tropical bands was a significant contributor to this lack of success. Maybe things will be better in December?

73, Rich

Eric Bueneman (NØUIH), 631 Coachway Lane, Hazelwood, MO 63042-1347

During the month of October 2019, I went on three DXpeditions. On the afternoon of October 4, I took my radios and homebrewed portable 30-foot longwire to Lincoln Shields Recreation Area in the city of West Alton, MO, in eastern Saint Charles County. The area is operated by the United States Army Corps of Engineers, located at the southern foot of the Clark Bridge, which carries U.S. Highway 67 across the Mississippi River from Illinois into Missouri. The area is directly across the river from downtown Alton, IL. That day, it was partly cloudy with temperatures in the upper 60s Fahrenheit. I set up my listening post on the southern end of the parking lot, next to the bike trail. The antenna and supporting mast were lashed to a "Bike Route" sign. I took my Tecsun PL-600 for shortwave DX, while using a General Electric Superadio III for MW broadcast band DX. On the MW broadcast band, late afternoon and sunset conditions favored the reception of stations in the U.S. Midwest. On the shortwave broadcast bands, I logged at least one transmitter site from each of the continents. I started monitoring around 2110 UTC with the VOA Botswana relay on 6195 kHz with hi-life music and talk in English, noting a fair signal. BBC Ascension Island was in at semi-local strength on 12095 kHz at 2118. Europeans came through starting at 2121 UTC with AWR Africa via Austria on 11880 kHz coming through with a fair signal. Radio Havana Cuba on 15370 kHz was booming in like a local at 2124 UTC. The first Asian of the DXpedition was noted at 2133, when All India Radio came through on 9445 kHz via Bengaluru with traditional Indian music in English; a fair signal was received. I noted Gander VOLMET on 10051 kHz USB at 2158 with weather reports and forecasts for various Canadian airports, heard with a good signal. One pleasant surprise of the DXpedition came through at 2209 UTC when I heard KBS World via Kimje, South Korea on 11810 kHz with a fair to poor signal. The 60 Meter band started

producing signals after 2215 UTC with Cubans on 5025 and 5040 kHz and Deutsche Welle in Spanish via WRMI on 5010 kHz. Brazilian shortwave stations were noted on 4885 and 11815 kHz between 2310 and 2320 UTC. The biggest surprise was toward the end of the DXpedition when I noted Radio Free Asia via Dushanbe, Tajikistan on 9875 kHz with a discussion in Tibetan. I wrapped up around 2340 UTC, packing up and heading back to the home shack. It was an excellent DXpedition, to say the least.

On the afternoon of October 19, I took the radios and antenna to James S. McDonnell Park near Saint Ann, MO. This is operated by the Saint Louis County Parks Department; it is named in memory of the founder of McDonnell Aircraft Company (now part of Boeing). I chose this park because this is where one of my Amateur Radio clubs, the Saint Louis and Suburban Radio Club, has set up several Field Day operations. I set up at a roundabout on the eastern end of the park, 100 yards east of the McDonnell Shelter, where the aforementioned club set up this year's Field Day operation. Temperatures were around 60 degrees Fahrenheit; a few passing rain sprinkles forced the listening post inside the 2002 Chrysler Voyager I was driving. Once again, I heard at least one shortwave transmitter site from each of the continents; late afternoon and sunset conditions on the MW broadcast band allowed stations from the U.S. Midwest, Mid-South and the western Carolinas. I started monitoring after 2100 UTC when I heard the Voice of America's relay station at Mopeng Hill, Botswana on 15580 kHz with a fair signal. Signals on the 60 Meter band were heard before 2115 UTC with Radio Rebelde from Cuba on 5025 kHz with a fair to poor signal. At 2116 UTC, I heard Brother Stair talking about the military strength of Russia, Israel and other countries via WBCQ Monticello, ME on 7490 kHz with a very good signal. Personally, it's not an evangelist's place to comment on the military...he should stick with teaching the Bible. The first European was noted at 2119 UTC with Radio France Internationale via Issoudun on 9790 kHz in French with a fair signal. I noted Saudi Radio International's Holy Qu'ran Program on two frequencies (both via Riyadh): 11820 kHz to Europe with a good signal and 11915 kHz to North Africa with a fair to poor signal. The first Asian was noted at 2138 UTC when Radio Japan (NHK World) was heard on 13680 kHz in Japanese with a fair to poor signal. Brazil was noted on 11780 kHz at 2217 UTC with a very good signal, and 4885 kHz at 2307 UTC with a fair to poor signal. Before 2300 UTC, I started hearing more stations on 60 Meters; Radio Havana Cuba in Spanish on 5040 kHz with a fair signal, WWRB Morrison, TN on 5050 kHz with a local-like signal, and, at 2301, WTWW Lebanon, TN on 5085 kHz with Ham Radio Today and an ad for ICOM America, noting a local-like signal. After 2315 UTC, I noted two signals in the 22 Meter band: Radio Havana Cuba on 13740 kHz in English with a local-like signal and Radio New Zealand Pacific on 13840 kHz with a fair to poor signal. I wrapped up the DXpedition around 2330 UTC, just as the sun was setting.

On the afternoon of October 25, the radios went to Creve Coeur County Park in Maryland Heights, MO. That day featured mostly cloudy skies (although there were breaks in the clouds toward sunset) and temperatures were in the mid-50s Fahrenheit. Like with McDonnell and Sioux Passage Parks, it is operated by the Saint Louis County Parks Department. The centerpiece is Creve Coeur Lake, which was once a loop in the Missouri River. Once again, I brought the General Electric Superadio III for MW broadcast band DX; however, I forgot to bring my Tecsun PL-600 receiver along for shortwave DX. Luckily, my Yaesu VX-5 handheld transceiver (which transmits on the 50, 144 and 440 MHz bands) has shortwave receiving

capability in AM mode. I coupled my 30-foot homebrew portable longwire (in a coiled position) to a dual-band (144 and 440 MHz) magnetic mount antenna. I started monitoring the MW broadcast band around 2140 UTC; reception conditions in the late afternoon and sunset hours favored the U.S. Midwest. I started monitoring the shortwave bands around 2200 UTC, hearing Radio Havana Cuba on 11850 kHz in Spanish with a good to fair signal. Between 2204 and 2209 UTC, I noted Radio Exterior de España via Noblejas on three different frequencies: 11940 kHz with a good to fair signal, 12030 kHz with a good signal and 9690 kHz with a very good signal. The programming was commentary and discussion on the re-interment of the body of Generalissimo Francisco Franco (1892-1975) in English. Radio Voz Misionaria from Brazil on 9665 kHz was noted with a fair signal at 2210 UTC. Radio-TV Martí was noted (minus the Cuban jamming) on 5980 kHz with a good signal around 2223 UTC. The highlight of this DXpedition was hearing three transmissions in Chinese: Voice of America via Tinang, Philippines on 9625 kHz at 2235 UTC with a good to fair signal, China Radio International via Beijing on 9675 kHz 2250 UTC with a fair to poor signal, and Radio Taiwan International via Paochung on 9900 kHz at 2254 UTC with a good to fair signal. I wrapped up monitoring at 2310 UTC, one minute before sunset.

One reception at the home shack on October 23 was something I hadn't experienced in a while. The radio was tuned to 9640 kHz at 2200 UTC. Radio Havana Cuba via La Habana was dominant on the frequency with news and commentary in Spanish, noting a good to fair signal. Underneath RHC was China Radio International via Kasgar with ID and news in Spanish, noting a fair to poor signal. RHC was beamed to the Caribbean, while CRI was beamed to Europe.

73 and good DX from the Florissant Valley Dial Twister.

Please support Musings by contributing your thoughts and experiences. Thanks to our contributors. 73 de JAL



Publisher's Corner

Richard Cuff • P.O. Box 3292 • Allentown, PA 18106 • hq@naswa.net

Happy Holidays and Season's Greetings!

Hope you enjoy our traditional holiday color cover this month! Best wishes for an enjoyable holiday season and a happy, healthy, prosperous, and loggings-filled 2020!

We continue to see new members joining – Welcome!

NASWA's membership has held steady in 2019, as we've seen steady interest from folks either new or returning to NASWA after years of absence. Many of the returning folks have joined via e-membership, which provides the same material as in the printed *Journal* but in an electronic format which can be read on a computer or on a tablet device like an

Amazon Fire tablet or a iPad. Those devices are quite portable, and make for easy reading in your favorite recliner or in your shack; I've not read any issues with tablets contributing RFI to a listening environment as long as you keep their chargers in a different room.

If you're new to the club – there's more than this monthly *Journal* available as a member resource. Most popular is the weekly *Flashsheet*, which is a rollup of station loggings reported by fellow members in the prior week. The quick turnaround of log reporting helps you keep current with seasonal propagation conditions and station schedule updates. Contact information for the Flashsheet is sprinkled throughout the *Journal's* pages. There's also an e-mail based discussion group that enables an even-quicker turnaround of log reporting – especially handy in instances of unusual propagation events or station schedule anomalies that might only exist for a single day. The NASWA group is hosted at the *groups.io* website and is restricted to NASWA members. Again, look for details listed elsewhere in the *Journal*.

New or returning folks are also encouraged to participate in our *Musings* column – that's our freeform space where you can introduce yourself to membership and ask any questions or share recollections about shortwave listening. You can also share details about your shack, any DXpeditions you might have been on, antenna tips and tricks, or any other topic that doesn't fit neatly into one of the other columns. For those areas, such as QSLs, pirate radio, or programming topics, you're encouraged to drop a note to the column editors themselves – I know they love hearing

from club members because it helps them tailor content to areas of member interest.

Consider a gift membership to NASWA

While the club didn't have any "Black Friday" promotions in place, we'll happily set up gift memberships if you want to share your radio fun with a friend or family member that might be interested in shortwave listening/DXing. We can process gift memberships for the paper *Journal* or for the *e-Journal* formatted as a monthly PDF file. If interested, drop a note to club HQ via e-mail or postal mail and let us know where to send the *Journal*. If you have a family member or a friend who has recently retired, it might be an optimum time to reintroduce them to the joy of listening. I started a gift membership for my father back in the late 1980s when he first retired, and it helped him get current in shortwave listening after being away from the hobby for many years.

This month's musing idea: DXpedition reports!

With long nights in the Northern hemisphere, coupled with significantly fewer static disturbances from thunderstorms, it's the perfect time of the year to break the normal routine and arrange a DXpedition for some focused listening. If you've headed out on a DXpedition let us know how you set it up, where you went, and what you heard! Jot those thoughts down and get 'em into Jerry Alice Lineback for the *Musing* column.

Good listening—Richard/Publisher – Business Manager



Listening Review

Alan Roe • 33 Atbara Road • Teddington, TW11 9PA, United Kingdom • alan-roe-swl@randa33.co.uk

Hello and welcome to Listening Review for December.

Here is my updated list of music programs on Shortwave in English language for the B-19 period. I'll be producing a consolidated list including selected programs in non-English languages which I'll post to the Facebook

page and to the NASWA IO group for you to download in early December. Alternatively, please email me, and I'll send you a copy by email as soon as it is ready.

Transmitter abbreviations are as used in WRTH. All times/days are UTC.

Multi-Hour

0100-2100	daily	WRMI	Mostly: Oldies (<i>Bob Biermann</i>)	5800-rmi
0600-1300	daily	4KZ	Varied oldies/hits	5055
0700-1700	daily	R Marabu	Varied mx (<i>some occ in Engl</i>).	6150-dat (<i>via Europa 24</i>)
0700-1800	daily	Channel 292	Offshore Era Music	7440-roh
0900-2200	daily	ShortwaveRforEur	Andy Walker Show <i>or</i> Prog Mill	3975-win 6160-win(-1800) <i>or</i> Stafford's World <i>or</i> Media Network
0000 -0100	su	Mighty KBC	Radio, But Not As We Know It	5960-nau (<i>alt 9925</i>)
0000-0100	su, mo	WBCQ	Radio Timtron Worldwide	5130-bcq
0000-0100	daily	WRMI	Oldies (<i>Bob Biermann</i>)	9395-rmi (<i>tu-th,sa: -0030</i>)
0000-0100	we	WRMI	Jazz From the Left	7730-rmi
0000-0100	tu	WWCR	World Wide Country Radio	5935
0000-0100	sa	WWCR	Last Radio Playing (<i>Blues</i>)	5935
0005-0030	su	China R Int	Beijing Calling (<i>occ: mx feature</i>)	6020-cer 6075-kas 6180-kas 7350-kas 7425-kas 9560-bei 9570-cer 11790-xia 11885-xia 15125-bei
0015-0030	mo-sa	All India R GOS	Film music <i>or</i> duets / Indi-pop	7550(<i>drm ch1</i>) 9445
0015-0025	su	V of Vietnam	Weekend Music	7315-hri
0030-0100	su	Hobart R Int	DX Prog - also includes music	5850-rmi 7730-rmi
0030-0100v	su	WTWW	Theater Organ From the Ozarks	5085 (<i>irreg & may start late</i>)
0035-0057	mo	R Havana Cuba	From Havana (<i>2-weekly</i>)	5040
0040-0057	su	R Havana Cuba	Music with Message / Jazz Place	5040
0045-0057	sa	R Slovakia Int	Musical Crossroads	5850-rmi 7780-rmi
0100 -0130	su	WRMI	Mike's Gospel music	9955-rmi
0100-0200	su	Mighty KBC	The Giant Jukebox	5960-nau (<i>alt 9925</i>)
0100-0200	su	WBCQ	Grits Radio	5130-bcq
0100-0200	mo	WBCQ	Encore Classical Music	7490-bcq
0100-0200	mo	WBCQ	R New York Int	5130-bcq (<i>every other week</i>)
0100-0200	tu	WBCQ	From the Isle of Music (<i>Cuban</i>)	7490-bcq

0100-0200 mo WRMI Countdown2.Christmas R 5950-rmi 9395-rmi
0100-0200 we WRMI Jazz From the Left 5950-rmi 9395-rmi
0100-0200 fr WRMI VORW R Int 5950-rmi 7780-rmi 9395-rmi
0100-0130v su WTWW Theater Organ From the Ozarks 5085 (*irreg & may start late*)
0100-0200 su WWCR Encore Classical Music6115
0115-0125 su V of Vietnam Weekend Music 7315-hri
0130-0200 sa RNewZealand Int Music 101 15720
0130-0140 daily R Romania Int *mo*:Music Time 6130 7325
tu: Your Music / *we,sa*: Truly Romanian (*Trad/folk mx*)
th,fr: Music Highlights (*Classical mx*) / *su*: All That Jazz
0130-0200 su WRMI Mike's Gospel music 5010-rmi 5850-rmi
0130-0200 th WRMI This is a Music Show 9395-rmi
0130-0200 sa WRMI Oldies (*Bob Biermann*) 5950-rmi 9395-rmi
0145-0155 su V of Vietnam Weekend Music 7315-hri
0200-0230 daily WRMI Oldies (*Bob Biermann*) 9395-rmi (*tu-sa: 0230-*)
0200-0230 mo R Prague Sunday Music Show 7780-rmi
0200-0230 mo WRMI Blues Radio International 9955-rmi
0200-0230 su WWCR Musical Memories 3215
0200-0300 su,mo KBS World R *su*: Hottest KPOP/*mo*: Flashback 9580
0200-0300 sa RNewZealand Int Music 101 15720
0200-0300 su WBCQ The Lumpy Gravy Radio Show 5130-bcq
0200-0300 mo WBCQ R New York Int 5130-bcq (*every other week*)
0200-0300 su,m,f WRMI VORW R Int 5850-rmi
0200-0300 daily WTWW Greatest Hits of all Time 5085
su: Jeff Laurence / *mo*: 'Big' Jim Edwards
tu-th: Ted Randall / *fr*: Steve Taylor / *sa*: Grant Hudson
0200-0300 th WRMI This is a Music Show 5850-rmi 7780-rmi 9395-rmi
0215-0230 m, w-fr RAE Argentina Often includes music features 9395-rmi
0215-0230 tu RAE Argentina History of Argentine Rock 9395-rmi
0230-0300 fr WRMI Blues Radio International 9955-rmi
0235-0257 mo R Havana Cuba From Havana (*2-weekly*) 6000 6145 6165
0240-0257 su R Havana Cuba Music with Message / Jazz Place 6000 6145 6165
0240-0257 su R Tirana Folk Traditional Music 9395-rmi
0245-0257 fr,sa R Tirana Music (*modern*) 9395-rmi
0300-0330 mo R Prague Sunday Music Show 9395-rmi
0300-0400 mo WBCQ R New York Int 5130-bcq (*every other week*)
0300-0400 tu-fr WRMI Oldies (*Bob Biermann*) 5950-rmi
0300-0400 daily WTWW Greatest Hits of all Time 5085 (*see 0200 for presenters*)
0330-0400 mo Hobart R Int DX Prog - also includes music 5130-bcq
0335-0357 mo R Havana Cuba From Havana (*2-weekly*) 6000 6145 6165
0335-0400 sa RNewZealand Int Music 101 15720
0335-0359 mo R Taiwan Int Jukebox Republic 15320
0335-0359 we R Taiwan Int Jade Bells and Bamboo Pipes 15320
0340-0357 su R Havana Cuba Music with Message / Jazz Place 6000 6145 6165
0345-0357 sa R Slovakia Int Musical Crossroads 9395-rmi

0400-0430 mo R Prague Sunday Music Show 9955-rmi
 0400-0500 sa V of Hope-Africa Scott Martin: Song in the Night 9680 11680
 0400-0500 su (irr) WBCQ Lost Discs Radio Show 5130-bcq (every 4-6 weeks)
 0400-0500 mo-sa WRMI Oldies (Bob Biermann) 9395-rmi
 0400-0500 daily WTWW Greatest Hits of all Time 5085 (see 0200 for presenters)
 0405-0430 su China R Int Beijing Calling (occ: mx feature) 13570-xia 13590-bei 15120-bei
 17730-xia 17855-bei
 0430-0500 su Hobart R Int DX Prog - also includes music 9955-rmi
 0430-0440 daily R Romania Int mo:Music Time 6020 7410 9820(drm) 11790
 tu: Your Music / we,sa: Truly Romanian (Trad/folk mx)
 th,fr: Music Highlights (Classical mx) / su: All That Jazz
 0430-0450 daily V of Turkey Music selection (varying time) 6125 7240
 0430-0500 we WRMI Blues Radio International 9955-rmi
 0435-0457 mo R Havana Cuba From Havana (2-weekly) 6000 6145 6165
 0440-0457 su R Havana Cuba Music with Message / Jazz Place 6000 6145 6165
0500-0545 mo-fr V of Hope-Africa Joyce Mwanza: Mx in Morning 9680 11680
 0500-0600 daily R Kuwait Mix of talk and western mx 11970(drm) 15530(drifting)
 0500-0600 daily WRMI Oldies (Bob Biermann) 9395-rmi
 0500-0600 daily WTWW Greatest Hits of all Time 5085 (see 0200 for presenters)
 0510-0530 su NHK R Japan FAW: Letters and Songs 6155-mos 7410-iss 9860-smg
 0510-0530 sa NHK R Japan Hit Tunes(1st)/Mx Portraits (2nd) 6155-mos 7410-iss 9860-smg
 0535-0557 mo R Havana Cuba From Havana (2-weekly) 6000 6060 6100 6145 6165
 0540-0557 su R Havana Cuba Music with Message / Jazz Place 6000 6060 6100 6145 6165
0600-0700 daily R Kuwait Mix of talk and western mx 11970(drm) 15530(drifting)
 0600-0700 mo-fr V of Hope-Africa Joyce Mwanza: Mx in the Morning 9680 11680
 0600-0700 mo-sa WRMI Oldies (Bob Biermann) 9395-rmi
 0600-0700 su,mo WWCR World Wide Country Radio 4840
 0605-0630 su China R Int Beijing Calling (occ: mx feature) 11750-cer 11870-kas 11895-kas
 13645-xia 15145-kas 15350-kas 15430-kas
 15465-kas 17510-kas 17710-bei
 0605-0700 sa,su V of America The Hits (VOA1) 6080-sao 9550-sao 15580-sao
 0606-0700 sa RNewZealand Int Saturday Night with Phil O'Brien 11725
 0635-0657 mo R Havana Cuba From Havana (2-weekly) 5040 6000 6100 6060 6145 6165
 0640-0657 su R Havana Cuba Music with Message / Jazz Place 5040 6000 6100 6060 6145 6165
0700-0800 su Channel 292 R Waves Int 6070-roh 7440-roh
 0700-0800 su China Tibet R Holy Tibet: Music Shangri La 4905 4920 6025 6110 6130 6200 9490 9580
 0700-0800 daily R Kuwait Mix of talk and western mx 11970(drm) 15530(drifting)
 0700-0800 sa RNewZealand Int Saturday Night with Phil O'Brien 11725
 0700-0800 mo-fr V of Hope-Africa Joyce Mwanza: Mx in Morning 9680 11680 (mo:-0730, tu+fr:-0745)
 0700-0800 su,tu-f WRMI Oldies (Bob Biermann) 9395-rmi
 0700-0800 sa WWCR World Wide Country Radio 4840
 0730-0745 su V of Hope-Africa Music in the Morning 9680 11680
 0735-0757 mo R Havana Cuba From Havana (2-weekly) 6000 6145 6165
 0740-0757 su R Havana Cuba Music with Message / Jazz Place 6000 6145 6165
0800-0830 mo-fr V of Hope-Africa Lombe Machilika: Morning Mx 9680 11680

0800-0900 sa,su Channel 292 su: SuperClan R 6070-roh 7440-roh(su) sa: R Waves Int
 0800-0900 su R Mi Amigo IntGood Morning Eur: Steve Foster 6085-kll
 0800-0900 sa RNewZealand Int Saturday Night with Phil O'Brien 9765
 0800-0900 daily WRMI Oldies (*Bob Biermann*) 9395-rmi
 0800-0900 mo-fr WRMI APS Radio (*Oldies*) 9455-rmi
 0805-0830 su China R Int Beijing Calling (*occ: mx feature*) 9415-xia 11785-cer 11895-kas 15185-
 kas 5350-kas 15465-kas 17490-kas 17670-kas
 0808-0900 su RNewZealand Int Sunday Night with Grant Walker 9765
 0810-0900 mo-fr KBS World R One Fine Day with Lena Park 9770 (*Hour 1*)
 0810-0900 sa KBS World R Saturday Playlist (*Hour 1*) 9770
 0830-0900 su Hobart R Int DX Prog - also includes music 5850-rmi 5950-rmi 7730-rmi
0900-0945 mo-fr V of Hope-Africa Lombe Machilika: Morning Mx 9680 11680
 0900-1000 su Channel 292 Easy Listening7440-roh
 0900-1000 sa,su Channel 292 sa (*1st,5th*): Jake-FM 6070-roh sa (*2nd*): Atlantic 2000
 0900-1000 sa IRRS Radio City (*3rd Sat*) 9510-tig
 0900-1000 mo-fr KBS World R One Fine Day with Lena Park 9770 (*Hour 1-2*)
 0900-1000 sa KBS World R Saturday Playlist (*Hour 1-2*) 9770
 0900-1000 su R Mi Amigo IntPaul Graham: Mi Amigo Lounge 6085-kll
 0900-1000 su RNewZealand Int Sunday Night with Grant Walker 9765
 0900-1000 sa RNewZealand Int Saturday Night with Phil O'Brien 9765
 0900-1000 su-fr WRMI Oldies (*Bob Biermann*) 9395-rmi
 0905-0930 su V of Mongolia DoReMi (*music program*) 12085
1000-1010 mo-fr KBS World R One Fine Day with Lena Park 9770 (*Hour 2*)
 1000-1010 sa KBS World R Saturday Playlist (*Hour 2*) 9770
 1000-1030 th WRMI VORW R Int 5950-rmi
 1000-1030 th WRMI Blues Radio International 5950-rmi
 1000-1100 mo-sa Channel 292 DARC (*DX px includes mx*) 7440-roh
 1000-1100 s,th,s Channel 292 su: DARC (*DX px includes mx*) 6070-roh th: Alt Universe Top 40
 sa (*1st,5th*): Jake-FM / sa (*2nd*): Atlantic 2000
 1000-1100 su R Mi Amigo IntJohnny Lewis: Offshore R. Diary 6085-kll
 1000-1100 fr R Mi Amigo IntPaul Graham: Soundtrack of 60s 6085-kll
 1000-1100 sa RNewZealand Int Saturday Night with Phil O'Brien 9765
 1000-1100 1_Jan Studio52 Happy New Year SW Show 5990-nau (*1 Jan*) (*EN, DU & GM*)
 1000-1100 sa,su V of Hope-Africa Pat Conrad: Swing(su) / Jazz(sa) 9680 11680
 1000-1100 mo-fr V of Hope-Africa Lombe Machilika: Morning Mx 9680 11680
 1000-1100 daily WRMI Oldies (*Bob Biermann*) 9395-rmi
 1010-1030 we KBS World R Sounds of Korea 9770
 1015-1025 sa V of Vietnam Weekend Music 9840 12020
 1015-1055 daily All India R GOS Hindustani Music (*var*) (-1030) 7270 13645 13695 15410(*drm*) 15770
 Film music or duets (*1040-*) 17510
1100-1200 su Channel 292 Easy Listening7440-roh
 1100-1200 su Channel 292 R Ohne Namen 6070-roh
 1100-1200 su R Mi Amigo IntPaul Newman: Radio Shack 6085-kll 7310-kll
 1100-1200 1_Jan Studio52 Happy New Year SW Show 5990-nau (*1 Jan*) (*EN, DU & GM*)
 1100-1200 daily WRMI Oldies (*Bob Biermann*) 5950-rmi

1105-1200 su RNewZealand Int Hymns on Sunday 9700
1106-1200 sa BBC WS - Asia Music Life 9410-sla 11850-sng 12065-sla
1110-1130 su NHK R Japan FAW: Letters and Songs 11825-sng
1110-1130 sa NHK R Japan Hit Tunes(1st) / Mx Portraits (2nd) 11825-sng
1145-1155 sa V of Vietnam Weekend Music 9840 12020
1200-1300 sa Channel 292 Alt Universe Top 40 7440-roh
1200-1300 sa,su Channel 292 *su*: (4th or 5th): SM R Dessau 6070-roh
sa: From The Isle of Music (*Cuban mx*)
1200-1300 1_Jan Studio52 Happy New Year SW Show 5990-nau (1 Jan) (*EN, DU & GM*)
1200-1300 su-fr WRMI Oldies (*Bob Biermann*) 5950-rmi
1205-1230 su China R
Int Beijing Calling (*occ: mx feature*) 5955-bei 7250-kas 9460-kas 9600-kun 9645-bei 9730-
kun 9760-kun 11650-uru 11690-xia 11760-kun 11980-kun 12015-kas 13665-cer 13790-uru 17490-kas
1215-1227 sa R Slovakia Int Musical Crossroads 6005-kll
1230-1300 su IRRS 16 Gwendoline Street 9510-tig
1230-1240 daily R Romania Int *mo*:Music Time 13750 15460 15600 17800
tu: Your Music / *we,sa*: Truly Romanian (*Trad/folk mx*)
th,fr: Music Highlights (*Classical mx*) / *su*: All That Jazz
1245-1255 sa V of Vietnam Weekend Music 9840 12020
1300-1330 mo R Prague Sunday Music Show 9955-rmi
1300-1400 daily WRMI Oldies (*Bob Biermann*) 5950-rmi
1300-1400 fr-su Channel 292 *su* (1st): GrooveLine Series 6070-roh
su (*irreg*): Free R Skybird or SM R Dessau
fr (*irreg*): R PowerRumpel *sa* (4th): Jake-FM / *sa* (*irreg*): R Ohne Namen
1300-1400 1_Jan Studio52 Happy New Year SW Show 5990-nau (1 Jan) (*EN, DU & GM*)
1300-1400 sa,su KBS World R *su*: Flashback / *sa*: Hottest KOP 9570 15575
1300-1400 mo R Mi Amigo IntBruno Hantson: Soul Box 6085-kll
1300-1400 tu R Mi Amigo IntJohnny Lewis: Hello Europe! 6085-kll
1300-1400 we R Mi Amigo IntPaul Graham: Soundtrack of 60s 6085-kll
1300-1400 fr R Mi Amigo IntPaul Graham: W/E Starts Here 6085-kll
1300-1400 sa R Mi Amigo IntPaul Newman: Radio Shack 6085-kll 7310-kll
1340-1357 sa R Tirana Folk Traditional Music 6005-kll
1345-1357 we R Tirana Hits Through the Years 6005-kll
1345-1357 th,fr R Tirana Music (*modern*) 6005-kll (*th*: 1350-)
1345-1355 sa V of Vietnam Weekend Music 9840 12020
1350-1400 daily All India R GOS Light or film music & duets 9690
1400-1420 daily V of Turkey Music selection (*varying time*) 12035
1400-1500 fr Channel 292 R Ohne Namen 6070-roh
1400-1500 sa KBS World R Saturday Playlist (*Hour 1*) 9630
1400-1500 fr R Mi Amigo IntJohnny Lewis: Offshore R. Diary 6085-kll
1400-1500 sa R Mi Amigo IntPaul Graham: Soundtrack of 60s 6085-kll 7310-kll
1400-1500 mo-sa WRMI Oldies (*Bob Biermann*) 5950-rmi
1405-1500 daily V of America VOA1 - The Hits 4930-bot 15580-bot 17885-bot
1410-1455 daily All India R GOS Film music & duet/Indi-pop(*var*) 9690
1410-1500 mo-fr KBS World R K-POP Connection (*Hour 1*) 9630

1410-1430 su NHK R Japan FAW: Letters and Songs 6165-tac 11925-dha
1410-1430 sa NHK R Japan Hit Tunes(1st)/Mx Portraits (2nd) 6165-tac 11925-dha
1410-1500 daily R Sultanate Oman Usually Western/English pops 9620
1500-1600 su Channel 292 Encore Classical Music 6070-roh
1500-1600 mo-fr KBS World R K-POP Connection 9515 9630(*Hour 1-2*)
1500-1600 sa KBS World R Saturday Playlist (*Hour 1 & 2*) 9515(*Hour 1*) 9630(*Hour 2*)
1500-1600 fr,sa R Mi Amigo Int Emperor Rosko: LA Connection 6085-klk (*Hour 1*)
1500-1600 su SpaceLine From the Isle of Music (*Cuban*) 9400-sof
1505-1600 sa,su V of America Music Time in Africa 4930-bot 7455-bot 15580-bot 17895-sao
1505-1600 mo-fr V of America Border Crossings 4930-bot 7455-bot 15580-bot 17895-sao
1515-1525 sa V of Vietnam Weekend Music 9840 12020
1535-1600 su V of Mongolia DoReMi (*music program*) 12015
1545-1557 fr R Slovakia Int Musical Crossroads 6005-klk
1600-1700 su,mo Channel 292 *su*: Crusader R 6070-roh
mo: DARC (*DX px includes mx*)
1600-1700 mo-sa Channel 292 DARC (*DX px includes mx*) 7440-roh
1600-1700 su China Tibet R Holy Tibet: Music Shangri La 4905 4920 6025 6110 6130 6200 7255 7385
1600-1700 su KBS World R Flashback; sa: Hottest KPOP 9630 9640
1600-1700 mo-fr KBS World R K-POP Connection 9515 9630(*Hour 2*)(-1710)
1600-1700 sa KBS World R Saturday Playlist (*Hour 2*) 9515
1600-1700 fr,sa R Mi Amigo Int Emperor Rosko: LA Connection 6085-klk (*Hour 2*)
1600-1700 su WWCR Nashville Cowboy Church 12160
1615-1625 sa V of Vietnam Weekend Music 7220 7280 9730
1630-1650 sa,su V of America Nightline Africa - Music from Af 4930-bot 6080-sao 15580-bot 17895-
bot
1635-1659 su R Taiwan Int Jukebox Republic 9405
1635-1659 tu R Taiwan Int Jade Bells and Bamboo Pipes 9405
1645-1657 fr R Slovakia Int Musical Crossroads 6005-klk
1700-1800 sa,su Channel 292 *su* (*irreg*): Korches R 6070-roh
sa (1st): R Sylvia
1700-1800 fr,sa R Mi Amigo Int Bruno Hantson: Soul Box 6085-klk
1705-1800 su R New Zealand Int Hymns on Sunday 5975(*drm*)(-1750) 9780(*drm*)(1751-)
1730-1800 sa WWCR Musical Memories 12160
1745-1800 daily All India R GOS Devotional Music 7550(*drm ch1*) 9445 9950 11935
1800-1820 daily V of Turkey Music selection (*varying time*) 9660
1800-1830 sa WWCR Talking Machine Show 12160
1800-1900 tu,sa Channel 292 *tu*: R Ohne Namen 6070-roh
sa (1st): R Sylvia
1800-1900 daily R Kuwait Mix of talk and western mx 15540(*drm*)
1800-1900 sa V of Hope-KVOH Song in the Night 17775
1805-1830 sa China R Int Beijing Calling (*occ: mx feature*) 6100-bei 7405-bei
1815-1830 fr-we All India R GOS Hindustani classical or light mx 7550(*drm ch1*) 9445 9950 11935
1825-1900 daily Bangladesh Betar Local & western mx (*var time*) 4750 (*alt:13580*)
1830-1840 daily R Romania Int *su*: Music Time/*mo*: Your Music 5935 7350(*drm*)
tu,fr: Truly Romanian (*Trad/folk mx*)

we,th: Music Highlights (*Classical mx*) / *sa*: All That Jazz
 1830-1850 sa,su V of America Nightline Africa - Music from Af 4930-bot 11610-udo 15580-bot
 1845-1900 fr-we All India R GOS Film or light music 7550(*drm ch1*) 9445 9950 11935
1900-1930 su WWCR Musical Memories 12160
 1900-2000 tu,sa Channel 292 *tu*: From Isle of Music (*Cuban*) 6070-roh *sa* (*1st*): R Sylvia
 1900-2000 fr IRRS Radio City (*3rd Fri*) 7290-tig (*unconfirmed recently*)
 1900-2000 daily R Kuwait Mix of talk and western mx 15540(*drm*)
 1905-1930 s,s (irr) V of America The Hits (*VOA1*) 4930-bot 13590-sao 15580-bot
 1910-1945 su-fr All India R GOS Hindustani or film mx/duets(*var*) 7550(*drm ch1*) 9445 9950 11935
 1915-1925 sa V of Vietnam Weekend Music 7280 9730
 1930-2000 sa IRRS 16 Gwendoline Street 7290-tig
2000-2020 daily V of Turkey Music selection (*varying time*) 6050
 2000-2100 tu,sa Channel 292 *tu*: Uncle Bill's Melting Pot 6070-roh (*tu*: -2030) *sa* (*1st*): R Sylvia
 2000-2100 daily R Kuwait Mix of talk and western mx 15540(*drm*)
 2000-2100 daily V of America *sa,su*: Music Time in Africa 4930-bot 4960-sao(2030-)(*sa,su*)
 mo-fr: African Beat 6195-bot 15580-bot
 2000-2100 mo-fr WRMI APS Radio (*Oldies*) 9455-rmi
 2000-2100 th WRMI VORW R Int 7780-rmi
 2006-2100 su BBC WS-Africa Music Life 11810-asc 12095-asc
 2015-2027 fr R Slovakia Int Musical Crossroads 3985-kl
 2015-2027 th,fr R Tirana Music (*modern*) 15770-rmi
 2035-2057 su R Havana Cuba From Havana (*2-weekly*) 15140
 2040-2057 sa R Havana Cuba Music with Message / Jazz Place 15140
 2045-2055 sa V of Vietnam Weekend Music 7220
 2050-2100 daily All India R GOS Hindustani light or folk song 7550(*drm ch1*) 9445 9950 11620
 11740
2100-2200 sa Channel 292 (*1st*): R Sylvia 6070-roh
 2100-2200 mo-fr WRMI APS Radio (*Oldies*) 9455-rmi
 2100-2200 mo-sa WRMI Oldies (*Bob Biermann*) 9395-rmi
 2105-2200 daily V of America *su*: Country Hits USA (*VOA1*) 6195-bot 11720-grv
 mo: The Soul Lounge (*VOA1*) / tu,w,sa: The Hits (*VOA1*)
 th: Top 20 countdown (*VOA1*) / fr: Music Time in Africa
 2110-2200 daily All India R GOS Hindustani classic/instr.mx (*var*) 7550(*drm ch1*) 9445 9950 11620
 11740
 2145-2155 sa V of Vietnam Weekend Music 7280 9730
2200-2300 sa Channel 292 (*1st*): R Sylvia 6070-roh
 2200-2300 sa,su KBS World R *su*: Flashback/*sa*: Hottest KPOP 11810
 2200-2220 daily V of Turkey Music selection (*varying time*) 9610
 2200-2300 su WBCQ Marion's Attic 7490-bcq
 2200-2300 fr WBCQ Behaviour Night 7490-bcq
 2200-2300 mo-fr WRMI APS Radio (*Oldies*) 7780-rmi
 2200-2300 fr WRMI VORW R Int 9955-rmi
 2200-2230 th WWCR Talking Machine Show 9350
 2230-2300 we WBCQ Goddess Irena 1 Music Show 7490-bcq
 2235-2257 su R Havana Cuba From Havana (*2-weekly*) 11880

2240-2257	sa	R Havana Cuba Music with Message / Jazz Place	11880
2245-2300	daily	All India R GOS Devotional Music	7550(drm ch1) 9445
2300 -2330	m,w,f	R Exterior Espana Includes frequent music features	9690 11685 11940 12030
2300-2330	su	WBCQ Uncle Bill's Melting Pot	7490-bcq
2300-2400	mo-fr	WRMI Oldies (<i>Bob Biermann</i>)	9395-rmi
2300-2400	th	WRMI VORW R Int	5950-rmi 9955-rmi
2300-2400	sa	WWCR Voice of Report of the Week	6115
2315-2330	daily	All India R GOS Hindustani light or folk music	7550(drm ch1) 9445
2330-2400	sa	Hobart R Int DX Prog - also includes music	7780-rmi
2330-2340	daily	R Romania Int <i>su</i> : Music Time/ <i>mo</i> :Your Music <i>tu,fr</i> :Truly Romanian (<i>Trad/folk mx</i>) <i>we,th</i> : Music Highlights (<i>Classical mx</i>) / <i>sa</i> : All That Jazz	6040(drm) 6090 7220 7325
2330-2350	daily	V of Turkey Music selection (<i>varying time</i>)	5960
2345-2355	sa	V of Vietnam Weekend Music	9840 12020
2350-2400	daily	All India R GOS Film music,duets/Indi-pop (<i>var</i>)	7550(drm ch1) 9445

Please let us know if you listen to any of the above (and also any comments you have about those programs), or if you have any additions or corrections to the above list.

Until next time, 73's Alan

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Iran: Internet shutdown and (modest) shortwave redux

In the face of anti-government demonstrations, Iranian authorities shut down the country's internet on November 16. The shutdown was so thorough that some observers wondered if this was the transition to the Halal Net, or Iranian intranet, that Iran's leaders have been planning for several years. As I type this on November 27, internet connectivity has been largely restored in Iran.

However, there was also a BBC report that "Tehran plans to operate a 'white list' scheme, under which only approved sites

would be made available" (bbc.in/33pQRpd). Such a scheme would "make sure vital services were available." But it would most likely block BBC Persian, VOA Persian, Radio Farda, and other Western online news services.

Arnold Zafra at the Reclaim the Net website observed: "Although some Iranian netizens are not too worried by the establishment of a whitelist since they can still use virtual private networks (VPNs), some are saying that these VPNs will still be affected as authorities may start regulating their operations as well. The government may require licensing of VPN vendors" (bit.ly/2L11iIX).

When Iran's internet was shut down, Chris Greenway of BBC Monitoring tweeted: "With access to the global internet now cut, many Iranians will turn to foreign broadcasts. They'll no longer be able to hear mediumwave (AM) signals from Radio Farda as its powerful 24/7 relay in UAE closed earlier this year as cost-saving measure by US government." (bit.ly/34skeZ8) He continued in his next tweet: "BBC Persian radio is still available on mediumwave from a powerful transmitter (1413 AM) in Oman, but only for limited times each day."

On November 21, Chris continued his tweets: "With Iran largely disconnected from the global internet since 16 November, the audio track of London-based TV station Iran International - @IranIntl - is now being beamed into Iran on AM from a powerful transmitter in Armenia (1395 kHz) and on shortwave from sites in former USSR. ... Iran is attempting to jam one of the shortwave frequencies being used by the TV station (6210 kHz) by relaying its own Arabic service on the same channel." (bit.ly/2pVeTLO)

Shortwave text as workaround?

At geekzone.co.nz, Rikkitic observed: "This kind of thing is a huge threat to freedom of thought. In the bad old days of the cold war, there were things like World Service and VOA on short wave to provide alternatives to State Propaganda. Could satellites and other technologies not be used to bypass this kind of censorship?"

Well, interesting that you asked Rikkitic. On my Shortwave Radiogram program, November 21-24, in light of the Iranian internet shutdown, an example of Persian-language text from Deutsche Welle was transmitted. If you haven't heard Shortwave Radiogram,

the show consists of strange noises which are actually digital text modes familiar to the amateur radio community. The noise can be received on any shortwave radio, including a cheap portable without sideband capability. The audio does have to be fed to a PC or Android device with free software necessary to convert it to text and images.

From WRMI and WINB transmitters, our Persian text in the MFSK64 modes (240 English words per minute) was received and decoded successfully as far as Australia and Kuwait (near Iran). The error correction built in to the mode allowed it to decode correctly even in difficult, i.e. typical, shortwave conditions. It was very interesting to see the Fldigi software print out the right-to-left lines of Persian.

So shortwave can substitute for the internet when the latter is made unavailable. And a growing number of countries, with China and Russia leading the way, have made much of the internet unavailable, or are poised to do so. To be sure, shortwave listening is no longer a widespread activity in much of the world. The idea is that a few thousand enthusiasts will tune in and decode the uncensored news broadcasts, then pass the content on to their compatriots through what will become their countries' *intranet*.

The Iranian satellite TV war

Meanwhile, a satellite television war between Iran and the West is heating up. Iran's ambassador to the UK tweeted: "Our country's embassy in London has filed complaint against Persian language anti-Iran TV channels of Iran International, BBC Persian and Manoto TV to Ofcom, because of the biased distortion of the recent incidents in Iran and also their invitation for the spread of

violence.” Ofcom is Britain’s media regulator, and much more so than the FCC in the United States, Ofcom does address content as part of its remit. Ofcom has already sanctioned Iran’s English-language news channel Press TV and other Iranian channels available in the UK for their portrayal of current affairs.

Even more seriously, the Iran International TV network stated that Iran “had harassed the families of some of its employees in recent days” and that “‘key elements’ of the network will face ‘judicial and legal limitations regarding their assets’” (bit.ly/2QYoTOE).

“I strongly condemn the harassment of journalists’ families inside Iran by Iranian authorities,” said VOA director Amanda Bennet in a video message recorded on Tuesday. It was a more strongly-worded response than that of BBC, which has sent several of its English service reporters to Iran in recent years on condition that their movements are restricted by Iranian authorities and their content is not shared with the BBC Persian service” (ibid).

“Radio Farda and Manoto TV’s parent Marjan Television Network did not immediately respond to VOA Persian requests for comment about the reports of Iranian harassment of their journalists” (ibid).

That last quote suggests something of a bureaucratic media war within the United

States, but that’s nothing especially new. Radio Farda (part of RFE/RL) did not respond to a reporter of fellow USAGM entity VOA? There was, however, a Radio Farda story on November 26 (bit.ly/33usxCp) describing Iran’s retaliation against diaspora journalists.

That Radio Farda item also reported: “Iran International TV, a 24-hour news channel based in London, which started broadcasting in April 2017, has announced that Iran is jamming its signals on Hotbird satellite by directly targeting the satellite (uplink or orbital jamming). On November 23 Iran International announced that it will lodge a complaint against Iran with OFCOM.”

Satellite TV can be jammed on the ground, in the target country, but such jamming covers only a small area due to the short groundwave range of Ka-band frequencies. More effective is jamming that sends a competing signal up to the satellite transmitting the undesired channel. But this method also obliterates all the other channels on the transponder. As BBC Monitoring’s Chris Greenway tweeted: “Iran International TV is on the same Hotbird multiplex as BBC Persian TV. Any uplink jamming primarily aimed at one will inevitably hit the other. For Iran, this is a hit-two-birds-with-one stone scenario.”

See Kim’s projects: <https://twitter.com/kaedot-com> and <http://swradiogram.net> 

New Address

Please note that NASWA has a new address:

P.O. Box 3292, Allentown, PA 18106

E-mail can be sent to hq@naswa.net. The 45 Wildflower Road address is now closed.

Shortwave Center

John Figliozi • 45 Algonquin Rd • Clifton Park, NY 12065 • jfiglio1@nycap.rr.com

To all NASWA members, best wishes for a very happy and safe Holiday Season.

SHORTWAVE NEWS

98th Anniversary of SW and the Birth of DX

ARRL News Release

11/06/2019

December 11 marks the 98th anniversary of the success of ARRL's Transatlantic Tests in 1921, organized to see if low-power amateur radio stations could be heard across the Atlantic using shortwave frequencies (i.e., above 200 meters). On that day, a message transmitted by a group of Radio Club of America members at 1BCG in Greenwich, Connecticut was copied by Paul Godley, 2ZE, in Scotland.

While the first two-way contact would not take place until 1923, the 1921 transatlantic success marked the beginning of what would become routine communication between US radio amateurs and those in other parts of the world — literally the birth of DX.

To commemorate this amateur radio milestone, Maxim Memorial Station W1AW will be on the air through the day on December 11 with volunteer operators. The goal is to encourage contacts between radio amateurs in the US and Europe while showcasing the significance of the transmissions that pioneered global communication and laid the groundwork for technology widely used today. The event will run from 1300 until 0000 UTC. Some details are still being worked out, but operation will focus on 40 and 20 meters (SSB).

Contact Clark Burgard, N1BCG, for more information.

<http://www.arrl.org/news/w1aw-to-remember-98th-anniversary-of-first-amateur-radio-signals-to-span-the-atlantic>

SHORTWAVE CONFERENCES

2019 EDXC Conference in Andorra

Report by Alan Pennington, BDXC

BDXC Communicator (Reprinted by Permission)

The EDXC has organized a conference for its member clubs, broadcasters and DXers every year (apart from one) since 1967. It always tries to pick a country or city that has not hosted the conference before, but this

becomes trickier with this being the 52nd conference! The venue chosen for the 2019 conference (6-8 September) was a new one however: Andorra, a small country with an interesting radio history and which many (including me) had never visited before.

The Principality of Andorra is a tiny independent state in the eastern Pyrenees mountains between France to the north and Spain to the south, covering an area of 468 square kilometres. It's two Princes are the President of France and the Catholic Bishop of Urgell in Catalonia, Spain. Population is around 77,000 and the official language is Catalan. Andorra is not a member of the European Union, though uses the Euro currency. Its mountainous terrain is dissected by narrow valleys, and its capital, Andorra La Vella, is the highest capital in Europe at 1023 meters, sited at the junction of the two main valleys. It is not the easiest country to travel to as it has no airport or railway, so conference delegates travelled to either Toulouse or Bar-

celona before travelling onto the conference by 4-hour coach journey.

A number of delegates arrived in the French city of Toulouse by air or rail on Thursday 5th September, so conference organizer Christian Ghibaudo had kindly organised a private EDXC coach to take us south to Andorra, up the twisting road to the Hotel Golden Tulip Fénix, the conference venue, in Escaldes-Engordany, just north of the capital. There were 34 delegates attending from 12 countries: Finland (12), UK (6), Italy (3), Denmark (2), France (2), Germany (2), Japan (2), Austria (1), Belgium (1), Poland (1), Switzerland (1) and USA (1).

Friday morning dawned bright and sunny, and we walked downtown to the studios of Ràdio i Televisió d'Andorra (RTVA), sited opposite the national sports stadium. We were able to enjoy some of the sites of the Andorran capital en route. RTVA host Josep M. Samper (Head of Technical Services) made us very welcome and showed us round the radio and TV studios. RTVA, only established in 1991, has two FM stations on air: Radio Nacional d'Andorra on 91.4 and 94.2 MHz and Andorra Música on 97.0 MHz. RTVA also has one local public TV channel, ATV, though many Spanish, French and other international digital TV channels are relayed in the Principality. In the TV studio we were given the chance to present the weather forecast! Four of our group (Chrissy Brand, Christian Ghibaudo (next page), Enrique Fernández Vernet and Tracy Wood) were also interviewed in English, French, Catalan and Spanish by presenter Rosa Alberch for a television news report on our visit, aired that weekend on ATV: "Radio enthusiasts from various countries visit RTVA facilities" <https://m.andorradifusio.ad/noticies/radioaficionats-diversos-paisos-visiten-instalacions-rtva?>





Following our visit to RTVA studios, some of us took a taxi a few miles north to the small town of Encamp, where there was a photographic exhibition in a gallery at the town hall celebrating the 80th anniversary of radio broadcasting in Andorra (1939-2019). This covered both Radio Andorra and Sud Radio (previous page). We would return to Encamp the next morning to visit the old Radio Andorra transmitter building in the town.

Back at the conference hotel in the afternoon, we were welcomed to the conference by new EDXC Secretary-General Chrissy Brand who mentioned our love of radio and the international friendship that brought us together for this 52nd conference.

Assistant Secretary-General, Christian Ghi-baudo then presented a history of Radio Andorra with photos and audio clips. The station was inaugurated on 7th August 1939: its founder was Jacques Trémoulet, owner of some private stations in Spain and France, including Radio Toulouse, who set up Radio Andorra as he feared a ban on private stations in France. One month later, France declared war on Germany and broadcasts stopped, only to resume a few months later on 3 April 1940 without

hindrance from either France or Germany as the Principality of Andorra was neutral during WWII. After the liberation of France in 1944, Radio Andorra survived, despite lawsuits against its owner for wartime collaboration, with the French RDF jamming its transmissions in 1948 and closure of the French border to prevent records and equipment being transported to Radio An-

dorra. In the 1950s Radio Andorra regained its popularity amongst listeners, despite the French government wishing to silence the station. The French government countered by setting up a new “radio périphérique” to compete with Radio Andorra, Radio des Vallées (which later became Sud Radio). The competition between Radio Andorra and Sud Radio continued in the 1960s and eventually Sofirad, the French state-owned company that ran Europe1, RMC and Sud Radio gained the upper hand. In 1971, owner and founder of Radio Andorra, Jacques Trémoulet died. The station declined with an aging transmitter limiting coverage, losing audience and advertising revenue to Sud Radio. In March 1981 it was ordered to close by the Andorran government who removed the concessions to broadcast it had given in 1961 to both Radio Andorra and Sud Radio as it wanted its own national station. Sud Radio continued broadcasts, then retreated to French territory, but Radio Andorra closed at 2100hrs on 2 April 1981.

It was not until 1991, after 10 years of silence, that the new state-run Radio Nacional d’Andorra took to the air in Catalan, on FM only, from the former Radio Sud studios. The

studios of Radio Andorra were destroyed in a fire in 1991. But the tall MW masts which had broadcast Radio Andorra across Europe, and the transmitter building are still standing today, though now silent, on the shores of Lake Engolasters - we would visit these the next day. Christian recommended these two websites with much more information on the history of Radio Andorra, including sound clips, videos, photos, publicity ephemera etc covering forty years: "Aqui Radio Andorra" <http://www.aquiradioandorra.com> and <http://f5nsl.free.fr/> (which also covers Sud Radio).

We learnt a lot about the original Radio Andorra from Christian's presentation, then had chance to chat to fellow delegates over a welcome drink, courtesy of the Golden Tulip Fenix hotel.



Turret on Radio Andorra transmitter building.

Saturday morning, and after a short journey by coach north again to the town of Encamp we visited the transmitter building of the original Radio Andorra. Housed in a striking stone building with a turret, we would see its transmitters (both MW and SW) and generators etc still in situ after the station's closure in 1981 as if frozen in time, perhaps a unique scenario in the radio world! Our guides were Mrs Berna Garralla (Culture Heritage Department, Government of Andorra) and Mr Claude Benet (President of L'association Velles Cases Andorranes). The building is currently being renovated to be converted partly into a radio museum, and partly as offices for the Ministry of Foreign Affairs. This is still work in progress, but we were given special access to the building. The building is constructed in 1930s neo-roman style and inspired by Andorran religious buildings, with stained glass panels in the windows with the Andorran coat of arms and wrought iron window grilles with the radio station's initials "RA". The MW masts of Radio Andorra could still be seen on the mountain above.

The transmitters we saw still at Encamp were:

SFR MW transmitter (1939), originally 60 kW, increased to 125 kW in 1960.

Brown-Boveri 400-kW MW transmitter installed in 1964 (last used on 702 kHz).

SFR SW transmitter (1939) 25 kW.

Two 10 kW Brown-Boveri SO 59/10K short wave transmitters (last used on 6220 kHz, including for AWR and WMR).

Returning to our coach, we saw the modern 160m long road tunnel next to the site, opened in 2011, is named after the station: "Túnel de Radio Andorra"!



Dave Kenny with balun transformer at Encamp

Driving north of Encamp, up a narrow twisting road of hairpin bands, we reached the Mirador Roc del Quer, where there are amazing views of the mountains and valleys below from a 20m walkway jutting out from the valley side. At the end of the walkway, a sculpture of a giant seated man gazes out at the view: "The Ponderer" by Catalan artist Miguel Ángel González.

Down in the valley in the village of Merixtell we visited the old Romanesque church there largely destroyed by fire in 1972 but restored with a new Sanctuary built alongside designed by architect Ricardo Bofill, a blend of the old and modern. Our Lady of Merixtell is the patron saint of Andorra. In the village, postcards picturing the old Sud Radio aerial masts in the snow on Pic Blanc, Port d'En-

valira were quickly bought up by our party to the surprise of the souvenir shop owner! Sud Radio's aerials became the highest in Europe when erected in the 1960s, surpassing those of Radio Andorra whose publicity had previously claimed "L'antenne La Plus Haute d'Europe".

The 125m high twin Radio Andorra MW masts are still standing alongside Lake Engolasters (1616m above sea level), which was their next stop on our coach trip. Now unused, the masts, painted red and white seem well-maintained from our side of the lake – originally in 1939 a radiating element stretched between the two masts. When the new Brown Boveri transmitter was installed and power increased in 1964 to 400 kW, one mast was modified to become a vertical radiator (the other mast was then just a reflector). Lake Engolasters in the summer is popular for its hiking trails and we walked part way around the lake to enjoy lunch at the restaurant "Llac I Cel"!



We returned to our hotel in the afternoon for a series of presentations:

International SW frequency coordination – Arto Mujunen had attended the High Frequency Coordination Conference (HFCC) hosted by RAE in Buenos Aires at the end of August, representing the U.S Agency for Global Media (USAGM, until 2018 BBG). He explained the activities of the HFCC in trying to minimise interference, although some countries do not participate and only register their seasonal frequencies with the ITU. The conferences are held twice yearly, having first being held in 1990 in Bulgaria. Arto mentioned the registration of “wooden frequencies”, jamming, still crowded bands (e.g. in Africa and Asia in local mornings) and the International Radio for Disaster Relief (IRDR) frequencies: already seven frequencies are kept free for IRDR 24hrs: 9430, 13620, 15650, 17500 18950, 21840 and 26010 with the aim of adding to these in the lower frequency bands. Delegates heard a talk on the LRA36 Antarctica station and visited the General Pacheco transmitter site (only 870 kHz currently active).

MediumWave Info: A DX resource since 1998 – Ydun Ritz described how her well-known website <https://mediumwave.info/> came to fruition in 1988, encouraged by her late-husband. She had edited a MW section in the DSWCI magazine in the 1990s and her website was originally called Ydun’s MW page, before changing name to Medium Wave Info in 2002. Since 2009 the site has had 226,000 visitors, many from the UK and most visiting her news page. As well as News and a News Archive, Ydun’s website also has a MW loggings section. Ydun also brought greetings from former EDXC Secretary-General Tibor Szilagyi.

The Free radio scene in different countries

– Jan-Mikael Nurmela has already QSLed 250 different pirate stations and gave us a trip around Europe describing the pirate activity in different countries. He explained there were two main types of pirates: those playing music with programming to listen to and QSO stations just contacting each other. Today there are maybe 20-30 countries with pirate radio stations, the most prolific probably being the Netherlands. He mentioned some German pirates pretend to be Dutch also! Some recordings were played and I was impressed with Jan-Mikael’s reception of UK station Vibes FM in Finland 7 years ago. Even former eastern bloc nations such as Serbia and Russia today have much pirate activity.



Above: Chrissy Brand (left) and Ydun Ritz.

Tracy Wood enlightened us on **Spain’s broadcasting scene**. Although from the USA, Tracy we discovered was pretty fluent in Spanish, which obviously helped him with this topic! As well as the REE external service, RNE has 5 domestic services, including Ràdio 4 in Catalan. Tracy also mentioned the two US FM military stations on Spanish soil (Rota and Morón). He also mentioned radio across the



border in Gibraltar and Radio Euzkadi, born in the Spanish Civil War in 1936 and now a communications group in the Basque country with 5 radio channels (as well as TV). It's history is told in the book "La Historia de Radio Euzkadi" by Leyre Arrieta. Tracy closed with greetings from Kim Andrew Elliott, former host of "Communications World" on VOA.

We then linked (via Skype) to Brian Powell, Production Engineer at RFA (Radio Free Asia) in the USA who described **Radio Free Asia (RFA) today**. RFA is a USAGM station set up in 1996 whose remit is to broadcast news and information in 9 language services to Asian countries where access to news is restricted. Mandarin and Cambodian SW services were due to close in 2020.

RFA broadcasts suffer jamming. We saw photos of the damage wrought by Super Typhoon Yutu's 180mph winds on RFA transmitter sites in Saipan and Tinian in the Mariana Islands in October 2018. This caused RFA the loss of 62 hours daily but Brian said they were now all back.

On Saturday evening, EDXC delegates enjoyed the traditional **EDXC Banquet** in our hotel, a 3- course meal with wine, including a commemorative EDXC cake. Thanks were given to previous EDXC Secretary-General Kari Kivekäs and Assistant Secretary-General Jan-Mikael Nurmela and his successor Christian Ghibaud for organising this conference in Andorra.

Sunday morning and Risto Vähäkainu told us of his **radio travels to the USA** in February with three fellow Finns, to the 32nd SWL Winter Fest in Plymouth, Pennsylvania. After this, his aim was to visit the eight US states he hadn't yet visited! The 4,000 miles road trip (over 10 days) included some radio stations. From his photos it looked cold and snowy, but Finns are used to such weather! Their route took in Nevada, Utah, Wyoming, Colorado (including WWV Fort Collins), Kansas, Nebraska, South and North Dakota, Montana, Idaho and Washington before ending in California where they met up with Risto Kotlampi who runs the well-known Hard Core DX (HCDX) website.

Next, Chrissy updated us on **EDXC matters** and read messages from Kaj Bredahl Jørgensen and his wife Else from Denmark who unfortunately had to cancel their trip to Andorra at the last minute. Also greetings were received from Anker Petersen in Denmark and Alexander Beryozkin of the Saint Petersburg DX Club. EDXC has fifteen member clubs as well as individual members. They have a weblog at <https://edxcnews.wordpress.com/> plus a Facebook page and a Twitter account @DXCouncil. Kari Kivekäs continues as EDXC Treasurer and gave an update on the healthy EDXC bank balance. The EDXC country list (updated 2017) can be accessed from the weblog home page. Four locations had been suggested for the 2020 conference: Bucharest, North Macedonia, Tartu (Estonia) and Luxembourg. Member clubs will vote on these shortly.

A visit to **Rádio Nacional da Amazônia** by Martin Butera was presented to delegates by Chrissy. This report with excellent photos is in the September (and this) edition of Communication.

Our final presentation was by **Alfredo Cotroneo, founder of NEXUS-IBA**, well known for SW station IRRS (Italian (now International) Radio Relay Service) which launched in 1988 with two 10kW former Swiss transmitters. This was in the days before social media, mobile 'phones and when the Berlin Wall was still standing. Before that, in 1979, Alfredo had started an FM station in Milan relaying English programmes from international broadcasters (BBC, VOA, DW etc). In 1990 NEXUS was designated a non-profit organisation – Nexus is Latin for 'link' or 'point of connection'. It remains non-profit, 100% volunteer, non-denominational association – it moved its shortwave site from Italy to sites in other countries (locations not disclosed by Alfredo, though we saw photos). It uses 7290 daily and 9510 at weekends with 150 kW (Details at <https://www.nexus.org/>). Programs include "World of Radio" and "Wavescan". Non-denominational programs are broadcast as EGR (European Gospel Radio). It also broadcasts on 846 kHz to NE Italy (previously on 594 kHz). In 2016 an office in Dublin opened a base for Milano Ventures Ltd, a cloud, media

and broadcasting company.

So, after an extensive conference program, Sunday lunchtime we said our farewells in the Golden Tulip hotel in Andorra. This was 8th September, National Day in Andorra with many flags draped on balconies etc, but few people about as all shops were closed. A group then headed south by coach into Spain, then north to Llívia, a Spanish enclave inside French territory, with an area of 5 square miles and a population of around 1,500. Just time for a brief walk around

the old town and some Llívia beer before heading north to France's fourth largest city, Toulouse.

On Monday morning, Christian had organized a guide who gave us an excellent walking tour of Toulouse, sometimes called "the Pink City" because of its terracotta colored bricks. Beside the River Garonne we said more farewells as others headed home. Our hotel in Toulouse was very close to the railway station, very convenient for myself and Dave Kenny as it turned out, as we had to return to England by rail due to the British Airways pilots strike!

Many thanks to Christian and Chrissy for organizing a brilliant 52nd EDXC conference!



Listener's Notebook

Richard A. D'Angelo • 2216 Burkey Drive • Wyomissing, PA 19610 • rdangelo3@aol.com

Times are UTC and frequencies in kHz.

ALASKA Schedule effective on Nov 18, KNLS Anchor Point switched to a single transmitter operation, as follows:

0800-0900 on 6075 English tx#1, ex via tx#2

0900-1000 on 6120 Russian tx#1, ex via tx#2

1000-1100 on 9665 Chinese tx#1 as scheduled

1100-1200 on 6045 Russian tx#1, ex via tx#2

1200-1300 on 9665 English tx#1 as scheduled

1300-1400 on 11785 Chinese tx#1 as scheduled

1400-1500 on 11670 English tx#1, ex via tx#2

1500-1600 on 11830 Chinese tx#1 as scheduled

(DX Mix-Bulgaria)

ANTARCTICA 15476, LRA36 Radio Nacional Archangel San Gabriel, rec'd a nice e-mail reply from this station, within 12 days after posting a e-mail report too: lra36@hotmail.com. (Edward Kusalik-AL/DXplorer)

ARGENTINA I was interviewed by RAE last week, and Fernando, the presenter was well aware of LRA 36, and mentioned some regular programming of RAE to be relayed by LRA 36. He also mentioned that 11710 and especially 15345 was coming back, "soon", from Argentina. (Walt Salmaniw-Canada/DXplorer)

ARMENIA Iran International TV audio on new 11560 November 25:

from 0930 NF 11560 ERV Farsi, fair, ex 11570/11590 (DX Mix-Bulgaria)

AUSTRALIA B-19 schedule of Reach Beyond Australia in English:

1200-1230 on 11945 English Daily

1245-1300 on 11945 English Mon-Wed

1315-1330 on 11865 English Mon/Wed/Fri

1545-1600 on 9765 English Mon/Fri.

(DX Mix-Bulgaria)

5055, Radio 4KZ, 1207-1242:01*, Nov 14. Mostly pop songs . (Ron Howard-CA)

AUSTRIA Reception of Oesterreichischer Rundfunk in 49mb on November 20:

0600-0720 on 6155 MOS German Mon-Fri, very good

0600-0710 on 6155 MOS German Sat/Sun Winter B19

(DX Mix-Bulgaria)

BANGLADESH Winter B-19 schedule of Bangladesh Betar:

1230-1300 on 4750 SHV English

1315-1345 on 4750 SHV Nepali

1400-1430 on 4750 SHV Urdu

1515-1545 on 4750 SHV Hindi

1600-1630 on 4750 SHV Arabic

1630-1730 on 4750 SHV Bangla

1745-1900 on 4750 SHV English

1915-2000 on 4750 SHV Bangla

(DX Mix-Bulgaria)

BULGARIA Winter B-19 frequency change of Radio Dabanga via SPL Secretbrod:

1529-1557 NF 11640 Darfur Arabic, ex 11650 last minute (DX Mix-Bulgaria)

IRRS Radio Warra Wangeelaa via SPL Secretbrod, November 23:

1500-1530 on 15515 SCB Afar Oromo Sat, good signal (DX Mix-Bulgaria)

CANADA 6030, CFVP. I finally made contact with an engineer at BellMedia, who owns the station. This is what he said: "I have just been informed the site was target of copper theft that disabled CFVP. Transmitter underwent some repairs, and some work is in progress on the site to restore the missing grounding. It should be back in service within the next few days". (Harold Sellers-BC/DXplorer)

CHINA Sent several reports to the well-known contact address of Ying Lian in the English service, including for local programs of the Central People's Radio Station, and for HP Qinghai. She usually confirmed with e-QSL-kami with views of Lake Namtso in Tibet all such reports, but surprisingly, this time I was confirmed only 2. Argument: "In fact, it is not our duty to verify your reception reports of our domestic station programs". This is just information. (Dmitry Mezin-Russia, "open-dx", RUSdx Oct 27, direct via wwdxc BC-DX TopNews)

4850 & 4980 & 5060, Xinjiang PBS, 1327, Nov 12. First day back again on these frequencies (different services), with their winter schedule. (Ron Howard-CA)

CLANDESTINE Winter B-19 frequency changes of Media Broadcast MBR:

Koode Radio International: 1900-1930 NF 6180
ISS Nigerian Fulfulde, ex 7265 (DX Mix-Bulgaria)

Frequency changes of BRB Denge Welat from November 15:

0330-0459 NF 7350 ISS Kurdish, ex 9525 ISS
0500-0600 NF 11540 KCH Kurdish, ex 9525 ISS
0600-0700 on 11540 KCH Kurdish - no change -

0700-0800 NF 15175 KCH Kurdish, ex 11540 KCH
0800-1200 on 15175 KCH Kurdish - no change -

1200-1300 NF 15175 KCH Kurdish, ex 11540 KCH
1300-1500 on 11540 KCH Kurdish - no change -

1500-1600 NF 11540 ISS Kurdish, ex 11530
ISS

1600-1659 NF 11540 ISS Kurdish, ex 9525 ISS
1700-1959 on 9525 ISS Kurdish - no change -
2000-2200 on 9525 KCH Kurdish - no change -

(DX Mix-Bulgaria) Recep Tayyib Erdogan is the name of the Turkish president whose speeches are being carried on it. Presumably its being transmitted by TRT in Emirler Turkey with the aim of interfering with Denge Welat Radio to Kurdistan. (Dave Kenny-UK/British DX Club) No announce with name, this station no name, 'Radio Recep Ergodan' is a nickname for this program, whole program are with Erdogan politic and patriotic songs. (TopNews) Emirler followed Denge Welat, thus their intention is not to take over the established frequency and its Kurdish audience but merely to jam Denge Welat. The ID of this channel indicates that it was the feed for the Arabic broadcasts on 630 and 1062, which apparently have been discontinued recently. So TRT is really deeply involved in this jamming operation. (Kai Ludwig-Germany/TopNews)

Voice of Eritrean Lowlands via MBR Issoudun
November 23:

1700-1730 on 11875 ISS Arabic Sat VOEL, good
(DX Mix-Bulgaria)

Dandal Kura Radio Int. via MBR Nauen on No-
vember 18:

0700-0800 on 13590 Kanuri, good signal
1800-1900 on 9850 ISS Kanuri, good signal
(DX Mix-Bulgaria)

Radio Ndarason Int via Woofferton/Ascen-
sion November 13:

0500-0600 on 7425 WOF Kanuri, good signal
0600-0700 on 9535 WOF Kanuri, good signal
0700-0800 on 9535 ASC Kanuri, fair signal
1800-1900 on 9635 WOF Kanuri, fair signal
1900-2100 on 12050 ASC Kanuri, fair signal
(DX Mix-Bulgaria)

Reception of Radio Sinit Eritrea via MBR Is-
soudun, November 16:

0500-0558 on 9540 ISS Tigrinya ONLY Sat,
very good
0530-0558 on 9540 ISS Arabic not on air –
Canceled
(DX Mix-Bulgaria)

Reception of Voice of Oromo Liberation via
MBR Nauen, November 24:

1700-1730 on 9610 NAU Afan Oromo Wed/Fri/
Sun, very good (DX Mix-Bulgaria)

Fair signal of Eye Radio via TDF Issoudun,
November 21:

1600-1700 on 15410 ISS Juba Arabic* Mon-Fri

* including other langs English/Dinka/Nuer/
Shilluk/Bari/Zande/Lutoho (DX Mix-Bulgaria)

Reception of Dimtse Radio Erena via SPL
Secretbrod on November 22:

1700-1800 on 9720 SCB Tigrinya/Arabic Fri,
very good signal (DX Mix-Bulgaria)

Manara Radio Int. via TDF Issoudun Nov 18:

0700-0800 on 13710 ISS Hausa, good
1600-1700 on 15285 ISS Hausa, fair
(DX Mix-Bulgaria)

B-19 changes of Nippon no Kaze:

1300-1330 on 7295 TSH Korean
1300-1330 NF 9530 TSH Korean, ex 9965 HBN
1300-1330 on 9705 TSH Korean
(DX Mix-Bulgaria)

B-19 frequency changes via RRTM Telecom
Tashkent for Radio Free North Korea:

1200-1430 on 7590 Korean, ex 11510 A-19 (DX
Mix-Bulgaria)

CUBA Winter frequency changes of Radio Ha-
bana Cuba from November 18:

1200-1300 NF 6000 QVC Spanish, ex 6150 B-18
1200-1400 NF 6100 BAU Spanish, ex 11950 B-18
1200-1600 NF 7340 BEJ Spanish, ex 9640 B-18
1200-1500 NF 13740 BAU Spanish, ex 13780 B-18
2100-2130 NF 11880 BAU French, ex 9720 B-18
2130-2200 NF 11880 BAU Portug., ex 9720 B-18
2200-2300 NF 11880 BAU English, ex 9720 B-18
2200-0600 NF 11850 QVC Spanish, ex 11840 B-18
(DX Mix-Bulgaria)

DENMARK Stig Hartvig Nielsen of World Mu-
sic Radio confirmed that WMR will be allowed
to use 5840 and 15805 again soon:

0000-2400 on 5840 RND 0.1 kW English Daily
0700-2000 on 15805 RND 0.2 English Sat/Sun
(DX Mix-Bulgaria)

EGYPT Winter B-19 registered frequencies of Radio Cairo but summer A-19 season Radio Cairo was not on air:

0400-0600 NF 9740 ABS Swahili, ex 9480
1500-1600 on 9610 ABS Albanian
1700-1900 NF 9900 ABS Turkish, ex 9940
1800-1900 on 9540 ABS Italian
1900-2000 on 9590 ABS Russian
1900-2000 NF 9810 ABS German, ex 9570
2000-2115 on 9900 ABS French
2115-2245 on 9900 ABS English
2215-2330 NF 9545 ABS Portuguese, ex
12010

2330-0045 NF 9620 ABS Arabic, ex 12010
0045-0200 NF 9875 ABS Spanish, ex 12010
(DX Mix-Bulgaria)

ENGLAND FEBA Radio Radio Sama via ENC-DMS Woofferton on November 14:

1700-1800 on 9775 Arabic, very good signal
(DX Mix-Bulgaria)

ESWATINI My wife Lorraine asked me to reply regards the station. She will send you a QSL. It is only the short wave English service to South Africa, which we are closing down. We do stream English over internet and use an audio bouquet on DSTv satellite. We hope to increase the services to other parts of Africa on the short wave bands. Kirundi is in the plan to continue. There might be some changes from 1st January. Kind Regards Stephen Stavropoulos, Station Director TWR Swaziland. (Ullmar Qvick/Shortwave Bulletin)

FRANCE Winter B19 of Telediffusion d'Algerie via TDF Issoudun:

0400-0459 on 6060 Arabic Holy Quran px
0500-0559 on 6060 Arabic Holy Quran*px
0500-0559 on 6105 Arabic Holy Quran*px
0600-0659 on 6105 Arabic Holy Quran px

1800-1859 on 7375 Arabic Holy Quran px
1900-1959 on 7315 Arabic Holy Quran*px
1900-1959 on 7375 Arabic Holy Quran*px
2000-2059 on 5940 Arabic Holy Quran px
2000-2059 on 6170 Arabic Holy Quran px
2100-2159 on 5940 Arabic Holy Quran px
2100-2159 on 6040 Arabic Holy Quran px
2200-2259 on 6040 Arabic Holy Quran*px
*xx03-xx11 news in French
(DX Mix-Bulgaria)

Reception of Radio Dabanga via Issoudun on November 7:

1529-1627 on 15550 ISS Darfur Arabic, good
(DX Mix-Bulgaria)

GERMANY Frequency changes of NDR Christmas "Gruss an Bord" on December 24:

2100-2300 NF 9675 MOS German Tue, ex
9650
2100-2300 NF 9740 NAU German Tue, ex
9720
(DX Mix-Bulgaria)

Winter B-19 frequency changes of Media Broadcast MBR:

NHK World Radio Japan: 0300-0500 NF 7265
NAU Japanese, ex 9620 (DX Mix-Bulgaria)

Reception of DWD Deutscher Wetterdienst in 49mb, November 14:

0600-0630 on 5905 PIN German AM mode, fair
0600-0630 on 6180 PIN German AM mode, good
(DX Mix-Bulgaria)

Reception of HCJB Voice of The Andes via MBR Nauen on November 23:

1529-1629 on 9500 NAU Russian/Chechen
Sat, very good (DX Mix-Bulgaria)

Additional unregistered frequency of Radio Farda, November 23:

0400-1500 on 11675 LAM Persian, very good signal. This frequency is on air from November 20 according to AGM RMS locations. (DX Mix-Bulgaria)

INDIA AIR Thiruvanthapuram is noted back (Nov 13) on 5010 & 7290 (50 kW):

5010: 0020-0205 1130-1745
7290: 0230-0932 (Sat, Sun 1030)
(Jose Jacob-India/DX India)

B19 Changes to All India Radio External Services:

0000-0045 Tamil Delete 13695(B)
0215-0300 Kannada Delete 13695(B)
0315-0415 Hindi 13695(B)
0845-0945 Indonesian Add 17870(B)
1000-1100 English 13645(B) (ex 13605),
17510(B) (ex 17895)
1115-1200 Thai 15770(P) (ex 15410)
1145-1315 Chinese 17510(B) (ex 17705)
1215-1330 Tibetan 9575(B) (ex 9425)
1330-1500 English 9690(B) (ex 13695)
1615-1730 Hindi 11590(P) ex 12025
1615-1730 Persian Delete 13640(B)
1730-1830 Malayalam 11590(P) ex 12025
1730-1945 Arabic Delete 13640(B)
1745-1945 English 9950(B) ex 9910
1745-1945 English 9950(B) ex 9910
1945-2045 French Delete 13640(B)
2045-2230 English 9950(B) ex 9910
2245-0045 English Delete 6045(Kh)
2300-0000 Hindi 9950(B), ex 9910, Delete
13695(B)
(Jose Jacob-India/DX-India)

11560, All India Radio, QSL card in 69 days. Report was sent to: spectrummanager@air.org.in. (Ivan Zelenyi-Russia/DX Fanzine)

INDIA (KASHMIR) Radio stations in Jammu, Srinagar and Leh have been renamed as All India Radio, Jammu; All India Radio, Srinagar; and All India Radio Leh, respectively. With the approval of Prasar Bharati Board, the nomenclature has been changed from 'Radio Kashmir' to 'All India Radio' in the Union Territories of Jammu & Kashmir and Ladakh. This change comes into effect from 31st October, 2019 as per the Jammu & Kashmir Re-organisation Act, 2019. (Alokesh Gupta-India via Ralph Perry)

IRAN Reception of Iran International TV audio on 11570, November 20:

SW schedule of Iran International TV is: 04-12 on 11570 and 12-04 on 6220. (DX Mix-Bulgaria)

IRIB English Radio: Please accept our late reply since we had a serious technical issue with our e-mail system which is hopefully solved now. We are thinking to design new QSL cards to be sent to you via e-mail, what do you think of this idea? Do you prefer paper cards or electronic ones? Please keep sending us your reception reports which are a great deal of help to our radio technicians. Share your comments and tell us if we need to make any changes to our radio programs. Waiting for your recommendation for the changes we are deciding to make in our radio broadcast. Maryam Geshani, IRIB. (Anatoly Klepov-Russia, RUSdx via wwdxc BC-DX TopNews)

JAPAN Winter B-19 frequency changes of NHK World Radio Japan from various locations:

0200-0400 NF 15235 YAM Japanese, ex 15590
0400-0430 on 11825 YAM Chinese, ex 0430-0500
0400-0430 NF 11965 TAC Persian, ex 11730
0415-0445 NF 11895 YAM Korean, ex 13720
0700-0900 NF 9800 YAM Japanese, ex 17-19
on 13720

0900-1000 NF 15280 YAM Japanese, ex 11815
1515-1545 on 9580 DHA Urdu, ex till 1600
2100-2300 NF 9890 YAM Japanese, ex 11665
(DX Mix-Bulgaria)

KOREA 3945, Echo of Unification (presumed),
1254-1319, Nov 1. In Korean with announcer
and music; in the clear during this time pe-
riod, but weak. Schedule is 1200-1400, but
Japan ("RN2, Radio Nikkei"), the last time
I recently checked, had a sign off at 1231*
during weekdays, which should overpower
EQU for a half hour. On the weekend, Japan
signs off much earlier, so no problem then for
EQU. (Ron Howard-CA)

KOREA (SOUTH) Winter B-19 frequency
change of Voice of Freedom:

0300-0800 NF 6045 HWA Korean, ex 5920
0900-1400 NF 6045 HWA Korean, ex 5920
1500-2000 NF 6045 HWA Korean, ex 5920
2100-0200 NF 6045 HWA Korean, ex 5920
(DX Mix-Bulgaria)

Echo of Hope - VOH, 1157, Nov 12. An early
start of the program IDed as "Radio Yeog-
sa Geugjang", historical drama in Korean;
started after English language lesson end-
ed; latest changes: 3990 (jammed) // 4890
(good no jamming) // 6000 (jammed) // 6255
(jammed) // 6355 (jammed) // 9105 (good
no jamming). N. Korea is now responding to
these VOH changes in frequencies rather rap-
idly. (Ron Howard-CA)

KUWAIT Winter B-19 additional frequencies
of Radio Kuwait::

0800-1000 on 9730 KBD English (DX Mix-Bul-
garia)

5960, Radio Kuwait, QSL card in 230 days.
Report sent to: info@media.gov.kw. (Ivan
Zelenyi-Russia/DX Fanzine)

LIBERIA Shortwave schedule of Radio ELWA:

0530-1000 on 6050 MNR English/Vernaculars
1700-2230 on 6050 MNR English/Vernaculars
(DX Mix-Bulgaria)

MADAGASCAR Radio Tamazuj via Talata Volo-
nondy on November 22:

1459-1557 on 11705 MDC Juba Arabic*, fair
* English nx 1544-1554 Tue/Fri & 0414-0424
Wed/Sat on 7315 (DX Mix-Bulgaria)

Updated B-19 schedule of WCB Madagascar
World Voice by transmitters:

1800-1900 on 9885 Russian tx#2 KNLS, New
Life Station

1800-1900 on 13670 English tx#3 African
Pathways Radio

1900-2000 on 9845 Russian tx#2 KNLS, New
Life Station

1900-2000 on 13670 Arabic tx#3 Radio Feda
2000-2100 on 11965 English tx#3 African
Pathways Radio

2000-2100 on 13710 Arabic tx#2 Radio Feda
2100-2200 on 9765 Portug. tx#3 Palavra Alegre

2100-2200 on 11610 Chinese tx#2 The Light
of Life

0300-0400 on 6180 Spanish tx#2 La Voz
Alegre

0300-0400 on 13760 English tx#3 African
Pathways Radio

0400-0500 on 11825 English tx#2 African
Pathways Radio

0400-0500 on 17530 Chinese tx#3 The Light
of Life

(DX Mix-Bulgaria)

MALAYSIA 9835, Sarawak FM via Kajang, 1148-
1317, Nov 11. Had been off the air all year, so
happy to find reactivated; 1148-1233, with
EZL pop songs; 1233-1259, reciting from the
Qur'an; 1300-1310, news in vernacular; IDs for
"Sarawak FM" and "R T M"; varied from very

poor to almost fair. (Ron Howard-CA) A few months back I was informed spare parts were needed for the transmitter which is quite old. The Kajang HQ has been abandoned, but the antenna array is still in use. My guess: RTM is operating the Kajang transmitters remotely from Kuala Lumpur. (Timm Breyel-Malaysia/WRTH via Ron Howard-CA) Beautiful F/D Sarawak FM eQSL card; V/S: Khairuddin bin Hj Osman (khair@rtm.gov.my). Received from: Unit Pengukuran dan Kualiti RTM Kajang, P&K Team, Unit Pengukuran & Kualiti, Seksyen Teknikal Rangkaian Kajang, Jabatan Penyiaran. (Ron Howard-CA)

11665, Wai FM. Today (Nov 12) Wai FM was broadcasting. Seemed to still have slightly distorted audio with crackling sound; 1210-1300, with a phone-in show; 1300-1310, news, which was // to newly reactivated Sarawak FM (9835), which was slightly out of sync and was running somewhat behind Wai FM. (Ron Howard-CA)

11890, Radio Nyawa Sarawak, 1000-1200 Mon/Wed/Fri broadcasting in Iban and Bahasa Malaysia; e-mail address is info@radionyawasarawak.org. Here's a positive development, a new SWBCer from Borneo, in its first week of transmission! (Ralph Perry-IL) Debut show was Nov 18. (RAD) Radio Nyawa Sarawak brings the issues that matter to the rural and marginalised communities of Sarawak. Based in this Borneo state of Malaysia, it is led by community voice, giving the people a chance to speak out on the problems that they face in their changing lives. The show features activists and experts, all working together to highlight issues and create solutions for these communities who are often invisible in the media landscape. Our two hour show broadcasts in Iban and Bahasa Malaysia three times a week (Monday, Wednesday and Friday) via Shortwave 11890. (Website)

MOLDOVA (PRIDNESTROVIE) We inform you that at the request of the owner we stop correspondence with radio observers (a reception report sent to them for Denge Welat). Thank you for understanding. Administration of Pridnestrovsky Radiotelecentr. (RAD)

MONGOLIA Winter B-19 schedule of Voice of Mongolia:

0900-0930 on 12085vU-B English
0930-1000 on 12085vU-B Mongolian
1000-1030 on 12085vU-B Chinese
1030-1100 on 12085vU-B Japanese
1400-1430 on 12015vU-B Chinese
1430-1500 on 12015vU-B Mongolian
1500-1530 on 12015vU-B Japanese
1530-1600 on 12015vU-B English
(DX Mix-Bulgaria)

MYANMAR 5985, Myanmar Radio, 1151, on Nov 14. Live coverage in vernacular of the soccer match between Myanmar and Tajikistan; FIFA World Cup Qualifiers at Mandalay Thiri stadium, in Mandalay. (Ron Howard-CA)

6165, Thazin Radio, 1430-1500, Nov 16-17-18. Heard underneath a much stronger CNR6; definitely in English; pop songs; at 1436, seemed to be the news; certainly not a one-day-only event. I last reported hearing them on this frequency back in 2017. Very pleased to be hearing them again on this frequency! (Ron Howard-CA)

NEW ZEALAND B-19 schedule of Radio New Zealand Pacific

AM mode Daily 1959-2058 on 11725 RAN
English, ex Sat only!
2059-2258 on 13840 RAN English, ex 2059-0458
2259-0558 NF 15720 English, ex 13840 B18
0559-0758 on 11725 RAN English, ex 0459-0658

0759-1058 on 9765 RAN English, ex 0658-1058
1059-1258 NF 9700 English, ex 7330 B18
AM mode Sun-Fri 1259-1650 on 6115 RAN
English
AM mode Saturday 1259-1958 on 6115 RAN
English
(DX Mix-Bulgaria)

NIGERIA Shortwave schedule of Voice of Ni-
geria:

0600-0700 on 7254.9 AJA Hausa
0700-0800 on 7254.9 AJA Fulfulde
0800-1000 on 7254.9 AJA English
1000-1030 on 7254.9 AJA French
1030-1045 on 7254.9 AJA Yoruba
1045-1100 on 7254.9 AJA Igbo
0800-1400 on 15119.9 AJA English DRM, irreg.
1600-1615 on 11769.9 AJA Arabic
1600-1615 on 15119.9 AJA Arabic DRM, irreg.
1615-1630 on 11769.9 AJA Igbo
1615-1630 on 15119.9 AJA Igbo DRM, irreg.
1630-1900 on 11769.9 AJA English
1630-1900 on 15119.9 AJA English DRM,
irreg.
1900-1930 on 11769.9 AJA French
1930-2000 on 11769.9 AJA Fulfulde
2000-2100 on 11769.9 AJA Hausa
(DX Mix-Bulgaria)

OMAN Radio Sultanate of Oman again on
15140, instead of 15145+ on November 25:

1000-1012 on 15140 THU NO SIGNAL/TRANS-
MITTER IS NOT ON AIR

1012 & 1200 on 15140 THU Arabic, instead
of 15145, good. Something's always wrong at
Radio Sultanate of Oman Thumrayt transmit-
ting station!! (DX Mix-Bulgaria)

PALAU As of 10/27/19, World Harvest Radio
will only be transmitting from WHRI out of
South Carolina. More updates to this website
coming soon. (Family Broadcasting Corpora-

tion Website) From October 27 World Harvest
Radio is on air only via WHRI Angel 1/Angel
2/Angel 6 via South Carolina and canceled all
transmissions via T8WH Angel 3/T8WH Angel
4/T8WH Angel 5 (DX Mix-Bulgaria)

PERU 4775, Radio Tarma a was testing a new
transmitter with 2 kW of power, and as it
seems there was no improvement in the sig-
nal strength, I contacted the station via
mail and in their reply they say that the new
transmitter will come into operation soon.
(Mario Monteverde Pomareda (gerenciagen-
eral@grupomonteverde.com), Gerente Gen-
eral via Manuel Méndez-Spain/Hard Core DX/
DXplorer) Radio Tarma testing new 1.4 kW
transmitter. Seems, that Radio Tarma is on
4775.04, the carrier started to be visible here
in Finland after 2030. Now at 2150 there is
already audio and I can hear, that it is in
Spanish. (Mauno Ritola-Finland/DXplorer)

PHILIPPINES B19 schedule for Radio Pilipinas
(PBS) via USAGM Philippines relay station:

0200-0330 English 9475-pht 15640-pht 17820-
pht
1730-1930 Tagalog 9925-pht 12120-pht 15190-
pht may include some English (British DX
Club)

ROMANIA Radio Romania International has
been announcing that two of its five SW
transmitters are currently out of service and
will take several months to repair. There will
therefore be a reduction in the number of
frequencies being used for RRI broadcasts.
B19 schedule for Radio Romania Internation-
al in English:

0100-0200 6130-gal 7325-gal
0400-0500 6020-gal 7410-tig 11790-gal
9820-tig-drm
0630-0700 7345-tig 15450-tig 17780-gal
6040-gal-drm

1200-1300 13750-tig 15460-tig 15600-tig
17800-gal
1800-1900 5935-tig 7350-tig-drm
2130-2200 6170-tig 7310-tig 7375-gal
6030-gal-drm
2300-0000 6090-tig 7220-gal 7325-tig
6040-gal-drm (HFCC/RRI web site/British DX
Club)

RUSSIA Winter B-19 frequencies of DRM
broadcasting in Chukotka (K/A 025 kW):

2000-1000 on 5935 Russian DRM mode
2200-0100 on 11860 Russian DRM mode
0100-0600 on 15325 Russian DRM mode
0600-1000 on 6025 Russian DRM mode
(DX Mix-Bulgaria)

SPAIN Winter B19 schedule for Radio Exterior
de España valid from 27 October:

Mon-Fri 1600-2400 11685 12030
Mon-Fri 1900-0300 9690 11940
Sat-Sun 1500-2300 9690 11685 11940 12030
(REE web site) REE English is now at 2300-
2330 Mon/Wed/Fri on 9690 11685 11940
12030 (British DX Club)

SRI LANKA 11905, SLBC via Trincomalee in
Hindi with 125kW at 0030 to 0058 and 0200
to 0230 Hindi. The one hour gap is to use the
TX for a paid program for a client. Also, 1115
- 1158 on 9695 with S. Indian vernacs.. QSLs:
You can write direct or to me; for friends I
prefer to get all done and mail myself to be
100% sure. Just send me the reports. victorg.
broadcaster@gmail.com. We have 8 E qsls.
(Victor Goonetilleke-Sri Lanka/DXplorer)

SUDAN Shortwave transmissions from Sudan:
Radio Omdurman Sudan:

0200-1600 on 7205 ALF Arabic
1900-2200 on 7205 ALF Arabic

Voice of Africa Sudan Radio:

1600-1630 on 9505 ALF Arabic
1630-1715 on 9505 ALF French
1715-1800 on 9505 ALF English
1800-1900 on 9505 ALF Hausa
(DX Mix-Bulgaria)

TAIWAN Winter B-19 new frequencies of Ra-
dio Taiwan International:

0900-1000 NF 9400 KOU Amoy, ex 6105
1000-1300 NF 9555 KOU Chinese, ex 9700
1000-1300 NF 9855 KOU Chinese, ex 9680
1100-1200 NF 9425 PAO Vietnamese, ex
15350
1200-1400 NF 5970 KOU Chinese, ex 11640
2330-0030 NF 9745 PAO Vietnamese, ex
11655
(DX Mix-Bulgaria)

TAJIKISTAN 7245, V.O. Tajik (presumed). Oct.8
at 1240-1258 in an unknown language. SI0252
(LSB). A man's talking was barely audible
above the heavy noises. Also, central-Asian
melodies were heard. ID unconfirmed. (Suzu-
ki-Japan/Japan Shortwave Club)

THAILAND Winter B-19 shortwave schedule of
HSK9 Radio Thailand World Service:

0000-0030 on 13750 UDO English
0030-0100 on 13750 UDO English
0100-0200 on 13750 UDO Thai
0200-0230 on 13750 UDO English
0230-0330 on 13750 UDO Thai
0530-0600 on 17640 UDO English
1000-1100 on 17630 UDO Thai
1100-1115 on 5875 UDO Bahasa Malay
1115-1130 on 5875 UDO Chinese
1130-1145 on 5875 UDO Thai
1145-1200 on 5875 UDO English
1200-1215 on 9940 UDO Bahasa Malay
1230-1300 on 9940 UDO English
1300-1315 on 9940 UDO English

1315-1330 on 9940 UDO Chinese
1330-1400 on 9940 UDO Thai
1400-1430 on 9940 UDO English
1800-1900 on 7475 UDO Thai
1900-2000 on 7475 UDO English
2000-2015 on 7475 UDO English
2030-2045 on 7475 UDO English
2045-2115 on 7475 UDO Thai
(DX Mix-Bulgaria)

TURKEY B19 schedule for Voice of Turkey in English:

0400-0500 on 6125 7240
1330-1430 on 12035
1730-1830 on 9660
1930-2030 on 6050
2130-2230 on 9610
2300-0000 on 5960
(HFCC/British DX Club)

UNITED ARAB EMIRATES Winter B-19 frequency change of TWR Africa via ENC-DMS:

0330-0345 NF 7245 DHA Amharic Sat-Mon/
Fri, ex 9655
0330-0345 NF 7245 DHA Oromo Tue, ex 9655
0330-0345 NF 7245 DHA Sidamo Wed/Thu,
ex 9655
(DX Mix-Bulgaria)

USA From October 27 World Harvest Radio is on air only via WHRI Angel 1/Angel 2/Angel 6 via South Carolina and canceled all transmissions via T8WH Angel 3/T8WH Angel 4/T8WH Angel 5 (DX Mix-Bulgaria)

WRMI has replaced 4980 with new 6060 from 0000-0200 at 160 degrees to Latin America, carrying Supreme Master at 0100-0200 and RAE Argentina in Spanish at 0200-0300. (British DX Club)

KIMF International Fellowship Mission, is no longer listed in the HFCC database in the B19

period. It has been planning a SW service from Beowawe, Nevada, which has been listed in the HFCC for many years, but the project has not come to fruition and it now seems unlikely that it ever will. (British DX Club)

Winter B-19 changes of World Harvest Radio International Angel 2:

0430-0600 NF 7490 English, ex 9830, incl.
0500-0515 on 7490 French Fri Water of Life
0430-0600 on 9830 English from March 2
2000-2100 on 9505 English Sun till March 1
2000-2100 on 7505 English Sun from March 2
(DX Mix-Bulgaria)

World's Last Chance Radio via WBCQ-6, temporarily:

1930-2157 on 9330 BCQ English
2200-0157 on 9330 BCQ English
(DX Mix-Bulgaria)

Reception of World's Last Chance Radio WLCRadio via WBCQ-6 October 30

1100&1300 on 9330 BCQ 500 kW / 255 deg to MEX English, very poor and weak from 1301 on 9330 BCQ 500 kW / 255 deg to MEX open carrier/dead air & off

Registered frequencies of World's Last Chance Radio WLCRadio via WBCQ-6 according to B-19 HFCC Database:

0100-0457 on 9330 Arabic
0500-0657 on 9330 English
0700-0857 on 9330 English
0900-1257 on 9330 English
1300-1857 on 15330 Arabic
1900-0057 on 11730 Arabic
(DX Mix-Bulgaria)

In B19 HFCC Database October 30 Supreme Master TV via WRMI-9 on 15770 is registered:

0000-1400 on 15770 Eng&Spa, and
1400-2400 on 15770 is canceled
(DX Mix-Bulgaria)

Fair signal of Alameda Bible Fellowship via
WRMI-09, November 19:

1330-1400 on 15770 YFR English Mon/Wed/
Fri (DX Mix-Bulgaria)

Frequency change of WRMI-3 in 49mb from
5800 to new 6060, November 3:

2100-0100 NF 6060 English Daily Supreme
Master TV

0100-0200 NF 6060* Spanish Tue-Sat RAE Ar-
gentina

0100-0200 NF 6060* English Sun/Mon WRMI
programs, * co-ch same 6060 BAU
Spanish R. Habana Cuba A19/B19?
(DX Mix-Bulgaria)

New B-19 schedule of Radio For Peace Inter-
national Europe:

2200-2300 on 9955 RMI French every Wed
WRMI-10

1400-1500 on 21525 RMI French third Thu
WRMI-07

0200-0300 on 5130 BCQ French first Fri WBCQ-04
1900-2000 on 6070 ROB French second Sat
Ch-292

2100-2200 on 7780 YFR French every Sat
WRMI-01

0000-0100 on 9395 RMI French every Sun
WRMI-06
(DX Mix-Bulgaria)

WHRI Angel 2 La Voix Des Eaux Vivantes in
French at new time in B19:

0500-0515 on 9830 English Fri, ex 0515-0530
0515-0530 on 9830 French Fri, ex 0500-0515
0530-0600 on 9830 English Fri, as scheduled
(DX Mix-Bulgaria)

Updated B-19 schedule of Voice of Vietnam
via WHRI Angel 1:

0000-0028 on 7315 English, same in B-18
0030-0058 on 7315 Spanish, same in B-18
0100-0158 on 7315 Vietnamese, ex English
(DX Mix-Bulgaria)

VANUATU A new tentative schedule for Radio
Vanuatu registered with the HFCC:

2485 1000-1900

3945 0700-1000, 1900-2400

5055 2100-0100

7260 0100-0700.

SW is currently inactive but is undergoing
refurbishment. (British DX Club)

VATICAN Winter B-19 frequency changes of
Vatican Radio from various locations:

0100-0130 on 7305 GB Portuguese, new

0130-0200 on 7305 GB Spanish, extended

0710-0800 NF 11935 SMG Ukrainian liturgy
Sun, ex 11740

1230-1245 NF 7305 GB Spanish, ex 9695

1230-1250 NF 7445 TIN Russian, ex 7435

1430-1530 NF 5930 PHT Hin/Tam/Mal, ex 7250

1430-1530 NF 7320 PHT Hin/Tam/Mal, ex 9505

1630-1700 NF 9705 SMG Arabic, ex 9700

2200-2230 on 9580 SAI Chinese, ex TIN

2315-2400 NF 7410 PHT Vietnamese, ex 11900

2315-2400 on 9580 PHT Vietnamese, ex TIN

(DX Mix-Bulgaria)

Reception of Radio Tamazuj via SM di Gale-
ria, November 7:

1459-1557 on 15400 SMG Juba Arabic, good
signal (DX Mix-Bulgaria)

Voice of America via Santa Maria di Galeria on November 14:

0530-0630 on 9885 French Mon-Fri, very good (DX Mix-Bulgaria)

ZAMBIA New schedule of Voice of Hope Africa from October 10:

0400-1100 on 9680 LUV English Daily tx#1
0400-1100 on 11680 LUV English Daily tx#2
(DX Mix-Bulgaria)

5915, R. One/ZNBC1, 0048-0200, Nov 15. Had a double surprise here; first to find them on the air this early and secondly to find them with decent reception this early; playing a lot of pop African songs and with numerous IDs for "ZNBC Radio One". (Ron Howard-CA)

6065, Voice of Hope Africa, QSL card in 88 days. Report was sent to: reports@voiceofhope.com. (Ivan Zelenyi-Russia/DX Fanzine)


11680, Voice of Hope Africa, 0353+, Nov 12. Tuned into an open carrier; 0357-0400, IS loop with IDs in English; 0400, "The Reality" show with Dudley Anderson interviewing mission-

ary Fergus Buchan, who is about to go to the Congo; fairly readable; // 9680, which had poorer reception. (Ron Howard-CA)

The Zambian power company has reduced the electricity supply in the country due to very low water levels at the Kariba Dam hydroelectric generator on the Zambesi River. Voice of Hope has therefore had to suspend daytime and evening broadcasts and from 7 October has a new morning-only broadcast at 0400-1100 on 9680 and 11680. Wavescan has been rescheduled to Sundays at 0600. (Ray Robinson AWR Wavescan 13 Oct/British DX Club)

ZANZIBAR Shortwave schedule of Zanzibar Broadcasting Corporation (ZBC):

1500-2100 on 11735 DOL Swahili, including 1800-1810 English Sun-Thu (DX Mix-Bulgaria)

Schedules, news and other information about shortwave broadcasting activity can be sent to Richard A D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610 or via e-mail to rdangelo3@aol.com (please indicate in the subject that your contribution is for Listeners Notebook). Thanks! 73, Rich 

Pirate Radio Report

George Zeller • 3492 West 123rd Street • Cleveland, OH 44111 • georgez@nacs.net

Shortwave pirate broadcasting continued at a very brisk pace once again during the past couple of months. Pirate broadcasting inevitably increases around major North American holidays. The main holiday in November this year, the USA Thanksgiving Day, falls on Thursday, November 28. Every year, some of the Thanksgiving pirate activity extends over to subsequent weeks in late November and very early December.

A major upside this month is that darkness propagation paths reach winter maximum propagation conditions with the arrival of Winter on December 21. Seasonal static levels on the shortwave bands therefore reach a minimum. Then, the end of the calendar year is chock full of major holidays. Hannukah is on Monday, December 23 this year. Christmas Eve is the next day on Tuesday, December 24. The next day is Christmas day on Wednesday,

December 25, a huge virtually worldwide holiday. Thursday, December 26 on Boxing Day sometimes is associated with pirate programming. Tuesday, December 31 on New Years Eve or Old Years in some countries is yet another huge major pirate radio holiday. The first day of 2010 on New Years Day is yet another major holiday. Thus, the entire period between Thanksgiving and New Years Day normally features the highest level of holiday-related shortwave pirate radio programming during the entire year.

This month we have no updates to news on the "Preventing Illegal Radio Abuse Through Enforcement" act, with an acronym of the "Pirate Act." Its official title is HR 583. This bill would provide for fines of pirate radio stations of \$100,000 per day, with a maximum fine of \$2 million. As of the end of November, this bill's prognosis in the Congress remains uncertain. The Pirate Act last year on July 12 did get a vote in the House of Representatives Energy and Commerce Committee, where it passed unanimously. At this point, the Pirate Act was merged with some provisions of the Net Neutrality legislation that is going through Congress. At that point some opposition emerged from some Democrats in Congress. The radio legislation is further complicated by controversial bills to criminalize online internet privacy. All of this is further complicated by the literal chaos within the Federal Government on multiple issues, including ongoing Trade Wars and the major impeachment investigation of USA President Trump. On May 15 the Pirate Act passed the US Senate committee on Commerce, Science, and Transportation unanimously. That refers the bill to the Senate floor for a vote. The fate of this bill in the Senate and on the desk of President Trump remains uncertain at column deadline time this month. Congressional action on many items remains currently stymied by virtually daily squabbles between

the Congress and President Trump related to the impeachment investigations, all of which are largely unrelated to the Pirate Act.

The full text of the Pirate Act that unanimously passed the House of Representatives is on the internet at:

<https://www.congress.gov/116/bills/hr583/BILLS-116hr583rfs.pdf>

Pirate busts by the FCC during the past month were mostly concentrated in the New York City metro area and in Florida as usual. This month we again omit the individual bust notices issued by the FCC. Some recent FM busts continued to be of both pirate operators and their landlords. Once again this month the FCC appears to have issued no citations to shortwave pirates in the United States, despite dozens of such actions against FM pirates. None of the proposed \$2 million fines have yet been assessed. Your pirate DX news and logs for this column are always welcome. Feel free to send them in so that others can follow trends on how and where others are hearing unscheduled and ever-changing pirate radio operations on shortwave. Modes are USB unless listed.

ERG R. 6790 2227 11/9/19 poor. Prgm of rock mx. (Taylor-WI)

ERG R. 6933 1348 11/10/19 fair. Various rock & pop mx. (Montney-MI)

ERG R. 6933 1414 11/10/19 fair. Various rock & pop mx, also ID'ed as Energy R and some discussion of QSLs. (Hauser-OK)

KDOG 6925 0212 11/10/19 fair. Prgm of rock mx w/SSTV images of dogs. (Taylor-WI)

Mix R. International 9920 0906 11/9/19 poor to fair. Largely a prgm of dance mx. (Taylor-WI)

Pesky Pirate 6925 0037-0230 10/31/19 poor. A mix of blues mx & SSTV images of naked women and cartoons. Also some discussion of ice fishing. (Taylor-WI)

Pesky Pirate 6925L 0123-0200* 11/9/19 fair to good. A mix of blues mx & SSTV images of naked women and 3 Stooges images. (Taylor-WI)

R. Argyle 6919 2233-2256* 10/31/19 fair. Prgm of Beatles & other classic rock mx said to be xmitting de the Isle of Gaels. (Montney-MI)

R. Argyle 6954 2025-2112 10/31/19 fair. Mostly a Halloween prgm of rock mx & poorly copied SSTV images of Dracula. (Montney-MI)

R. Argyle 6919 2305 11/8/19 S8-S3. Prgm of mx and discussion by OM ancr. (Hauser-OK)

R. Humperdoo 6955 2312-2327 10/31/19 good. A Halloween prgm of rock mx. (Montney-MI)

R. Free Whatever 4185 2310-2334* 10/31/19 fair. Dickweed w/prgm of indie mx & discussion of quitting smoking & drinking. (Taylor-WI)

R. Free Do Whatever 4185 2233 11/23/19 poor to fair. Dickweed w/prgm tribute to his own stn. (Taylor-WI)

R. Free Ramones 6955 2104-2235 11/23/19 fair. Stn dedicated to playing Ramones mx. (D'Angelo-PA)

R. Waves International 6928 2152-2238* 11/17/19 poor to fair. 36th birthday prgm relayed by Mix R. International. (D'Angelo-PA)

Topless R. 6929 1647-1654* 11/9/19 good. Prgm of recent pop mx & discussion of nuclear codes. (Montney-MI)

V. of the Subgenius 6960 0038 11/11/19 poor to fair. J. R. "Bob" Dobbs w/Hour of Slack prgm. ID as listed here, not "V. of Bob" (Taylor-WI)


WDOG 4915 0220 11/9/19 fair. Mostly Beatles rock mx & some barking dogs. (Taylor-WI)

Wolverine R. 6960 0042 10/25/19 poor to fair. Halloween prgm rock mx, scary sounds, and Halloween sketches. (Taylor-WI)

WREC 6950 0042 10/25/19 poor to fair. Halloween prgm of mainly rock mx but also Halloween material. (Taylor-WI)

X-FM 4185 0202 10/31/19 unusually poor. Prgm of rock mx & movie themes w/accurate TCs. (Taylor-WI)

NASWA Facebook Page

Join moderator **Richard Murphy** <richard.murphy@swri.org> at the club's Facebook page which provides members with another way to keep in touch. This group is intended for social interaction between the club members and will not be used to publish loggings, articles, or other materials that would normally appear in The Journal, the NASWA Yahoo group, or the Flashsheet. While the existence of the group is visible to all Facebook users, the online postings are available only to group members and group members must be NASWA members. Comments and suggestions from the membership are welcome. To locate the NASWA Facebook page, simply enter "North American Shortwave Association" into the search box on the top toolbar. If you are into social media, give it a try. 

Contributors' Page

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Rick BARTON, Sun City, AZ

SW-2000629, Satellit 205/T.5000 & 650, HQ-200, HQ-140X & 180A, ATS-909X, outdoor Slinky and random longwires

Jerry BERG, MA

No equipment listed

Eric BUENEMAN, Hazelwood, MO

Yaesu FRG-7, Sangean ATS-803A, National NC-60 Special, Tescun PL-600, Apex 303WA-2 vertical antenna, 150' homebrew dipole, 30' longwire

Rich D'ANGELO, Wyomissing, PA

Ten-Tec RX-340, Drake R8B, Eton E1, Eton E5, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4

Mick DELMAGE, Sherwood Park, ALB

Perseus SDR, Wellbrook ALA-100

Bob FRASER, PA

Sony SW-100, Eaton Mini 300

Andre FREDETTE, Oakville, ONT

JRC NRD 535D PAR ES-SWL 65 ft. antenna, MFJ-959C

Glenn HAUSER, OK

No equipment listed

Vince HENLEY, Anacortes, WA

Winradio G39DDC, Icom IC-R8600, RX-340, R8B, SDRPlay RSP Duo, PL-880, Alpha-Delta DX Ultra, whip

Ron HUNSICKER, PA


No equipment listed

Ralph PERRY, IL

No equipment listed



NASWA Email Group (Updated Address!)

Join moderator **Dan Ferguson**, the club's Email Group, and other club members to discuss reception of shortwave radio broadcasts, program content, propagation, reception conditions, loggings, hot news and information as well as radio equipment and accessories and any topics related to shortwave radio in general. Please keep in mind that loggings, QSL news, schedule changes should also be reported to the appropriate column editor of the Journal for publication. This forum is a supplement to, not a replacement of, The Journal. Subscribe by going to <https://groups.io/g/NASWA/>. Any club members wishing to participate in the NASWA Email Group, moderated by Dan Ferguson (k4voa@zerobeat.org), but not interested in registering direct with Yahoo should contact Dan direct by e-mail for further information. Dan can manually add you to the group. 

Loggings

Dave Turnick • 372 Spohn Road • Sinking Spring, PA 19608 • david.turnick@gmail.com

3325 **INDONESIA *Voice of Indonesia*** at 1645 UTC Nov 22 in Arabic with talk. Mention of VoI over soft music at 1651 UTC. Poor (Delmage, AB)

4885 **BRAZIL *Radio Clube do Pará*** ZYG362 Belém, Pará – 10/4 2312 noted with pop music and local ads in Portuguese; SIO 444. (Bueneman-LSDX)

4885 **BRAZIL *Radio Clube do Pará*** ZYG362 Belém, Pará – 10/19 2307 noted with commentary in Portuguese; SIO 323. (Bueneman-MDDX)

4885 **KOREA S *Echo of Hope*** at 1705 UTC Nov 22 in Korean with talk. Very Good // 3985 heavily jammed// 5995 heavily jammed // 6350 total jammed with snippets of audio poking through. (Delmage, AB)

4920 **INDIA *All India Radio*** at 1415 UTC October 27 with India music. Fair. (Delmage, AB)

4930 **BOTSWANA *Voice of America*** at 1630 UTC Nov 23. Fair with digital hash up. (Delmage, AB)

5010 **UNITED STATES OF AMERICA *Deutsche Welle*** via WRMI Okeechobee, FL – 10/4 2227 noted with end of commentary in Spanish into “Fidelio” interval signal; SIO 333. (Bueneman-LSDX)

5025 **CUBA *Radio Rebelde*** CMBA Bauta, Ciudad de la Habana -10/19 2113 noted with commentary in Spanish; SIO 323. (Bueneman-MDDX)

5025 **CUBA *Radio Rebelde*** CMBA Bauta, Ciudad de la Habana – 10/4 2218 noted with classic Cuban vocal music, ID and commentary in Spanish; SIO 333. (Bueneman-LSDX)

5039 **CUBA *Radio Habana Cuba***. 5039.997, Nov 22 at 0109, RHC almost on-frequency but supported, squealing in Kriyol, and with spurblobs approx. 3-4 kHz above and below. At 0149 check it`s in Arabic! Absurdly at 0130, as that still substitutes for French, also at other times. Something`s always wrong at RHC (Hauser-OK)

5040 **CUBA *Radio Habana Cuba*** via La Habana – 10/4 2216 noted with light vocal music and commentary in Spanish; SIO 323. (Bueneman-LSDX)

5040 **CUBA *Radio Habana Cuba*** via La Habana – 10/19 2257 noted with end of commentary in Spanish into interval signal; SIO 333. (Bueneman-MDDX)

5050 **UNITED STATES OF AMERICA *WWRB*** Morrison, TN – 10/19 2258 noted with ID and Christian teaching in English; SIO 555. (Bueneman-MDDX)

5085 **UNITED STATES OF AMERICA *WTWW*** Lebanon, TN – 10/19 2301 noted with *Ham Radio Live* and ad for ICOM America in English; SIO 555. (Bueneman-MDDX)

5800 **UNITED STATES OF AMERICA *Supreme Master TV*** via WRMI Okeechobee, FL – 10/29 0040 noted with talk on Chinese jewelry and ID in English; SIO 333. (Bueneman-MO)

5830 **PHILIPPINES *Vatican R*** (via Tinang) at 11/4, 1500. M, then W in (listed as) Tamil. Instrumental music variation of the Vatican Radio tuning signal at the end of the segment where there was a listed change to Malayalam (spoken in some territories of India) - F / G Barton-AZ

5840 **PHILIPPINES *Voice of America*** (Tinang relay) 11/2, at 1230. String of 1980s pop and jazz (mostly pop). W presenter in Korean lang. Closed at ToH w/ Yankee Doodle - Excellent Nov 2 Barton-AZ

5840 **PHILIPPINES *Voice of America*** (Tinang) 10/31, 1200 News magazine, in Korean - Barton-AZ

5945 **NEW ZEALAND *RNZI*** at 0800. News into a program of music 10/7 (Fraser-ME)

5960 **TURKEY *Voice of Turkey*** 5960.0, Nov 20 at 2333, VOT English to North America is axually on today, music but VP, undermodulated; and furthermore, off by 2355 recheck instead of bleibing for German, audiblizing the 5960- JBA carrier from East Turkistan, land of Uyghur brainwashing by the ChiCom (Hauser-OK)

5960 **TURKEY *Voice of Turkey***, 23:50 GMT, Oct 29th, modern music followed by male announcer in English, ID at 23:52 SIO 444 (Fedette-ON)

5980 **UNITED STATES OF AMERICA *Radio-TV Martí*** via Greenville, NC – 10/25 2212 noted with commentary mentioning Cuba and Venezuela in Spanish; SIO 444. (Bueneman-CCDX)

6045 **KOREA SOUTH [NONE] *KBS World Radio*** Nov 21 at 0756, KBS World Radio ending its Korean hour via Woofferton, but with noise jamming from Korea North like on 6015; this late/early, (Hauser-OK)

6050 **ECUADOR *Vozandes Media HCJB*** Quito – 10/29 0054 noted with Christian teaching program in Waorani; SIO 323. (Bueneman-MO)

6050 **ECUADOR *HCJB*** at 0056 UTC Nov 22 in (p) Waorani language with talk by man. Fair (Delmage, AB)

6055 **JAPAN *Radio Nikkei 1*** – 10/27 0640 noted with commentary in Japanese; SIO 222. (Bueneman-MO)

- 6070 **CANADA CFRX** Toronto, ON – 10/3 0722 noted with *Coast-to-Coast AM with George Noory* in English; SIO 434. (Bueneman-MO)
- 6080 **ROMANIA Radio Romania Int'l** via Tiganesti – 10/4 0245 noted with discussion in Spanish; SIO 323. (Bueneman-MO)
- 6085 **JAPAN Shiokaze/Sea Breeze** (new), 11/2 at 1310, usual opening, sound, man in Japanese. 7310 // heard (Fair) - Barton-AZ
- 6090 **IRAN Pars Today** via Sirjah – 10/29 0050 noted with commentary in Spanish, Caribbean Beacon off; SIO 222. (Bueneman-MO)
- 6115 **NEW ZEALAND R N Z National** 11/4, at 1400, Peter MacElwain (spelling?-) regional news, NZ police bullying (hazing) - Good Barton-AZ
- 6125 **CHINA CNR-1** via Beijing at 2025 UTC Nov 21 sudden on with Chinese music then in Chinese talk // 6175 both Very Good. (Delmage, AB)
- 6145 **CHINA CNR 1** in CC. October 24, 2019, 1528 – 1534. SIO 545. OMs and YLs in talk / discussion in Mandarin. Round-table discussion. Advertisements. Time pip at BOH. More advertisements and announcements. News clips by OM reporter. (Henley, WA)
- 6150 **PHILIPPINES BBCWS** at 2209 UTC Nov 21 with World News. Very Good with echo // 6195 via Singapore also very good less echo effect. (Delmage, AB)
- 6155 **AUSTRIA Radio Japan** NHK World Japan Network at 0510 UTC Nov 8 with world news. Fair (Delmage, AB)
- 6170 **NEW ZEALAND RNZ National** in EE. October 26, 2019, 1512 – 1522. SIO 333. OM with WX report / forecast from around the islands. Listed target is Oceania. ID given, followed by Pop MX, show tunes, and oldies. OM with announcements then more Pop MX. Moderate QRN, listenable. (Henley, WA)
- 6175 **ALBANIA China Radio Int'l** via Cerrik – 10/4 2233 noted with traditional Chinese music and commentary in Portuguese; SIO 333. (Bueneman-LSDX)
- 6180 **CHINA China Radio Int'l** via Kashgar – 10/29 0119 noted with *Beijing Today* in English; SIO 434. (Bueneman-MO)
- 6185 **MEXICO Radio Educación** at 0423 UTC Nov 8 with music like Amemonds by Flor Silvestre and talk in Spanish. Very Good (Delmage, AB)
- 6195 **BOTSWANA Voice of America** relay Mopeng Hill – 10/4 2110 noted with hi-life music and talk in English; SIO 333. (Bueneman-LSDX)

- 7230 **IRAN *Pars Today*** via Sirjah – 10/1 0110 noted with commentary in Spanish; SIO 222. (Bueneman-MO)
- 7270 **IRAN *Pars Today*** via Sirjah – 10/1 2354 noted with talk in French; SIO 212. (Bueneman-MO)
- 7315 **UNITED STATES *WRMI relay of Voice of Vietnam*** at 011. Feature, friends of Iraq and Indonesia 10/4 (Fraser-ME)
- 7315 **ROMANIA *Radio Romania Int'l*** at 0010. EE report on highway problems 10/3 (Fraser-ME)
- 7320 **CHINA *China Radio Int'l*** in EE. // 7325. October 24, 2019, 1536 - 1545. SIO 444. Listed target is SEA. YL announcer interviewing OM about Israeli government and failure of Netanyahu to form a government. Possibility of an unprecedented third Israeli election. Economic talk and interview about trade between China and Brazil. (Henley, WA)
- 7350 **CHINA *China Radio Int'l*** via Kashgar – 10/4 2301 noted with news in English; SIO 323. (Bueneman-LSDX)
- 7375 **ROMANIA *Radio Romania Int'l*** at 2129 UTC Nov 1st with Interval Signal and sign on followed by News. Good (Delmage, AB)
- 7380 **CUBA *Radio Habana Cuba*** via La Habana – 10/25 2308 noted with commentary in English; SIO 434. (Bueneman-CCDX)
- 7410 **CHINA *China Radio Int'l*** in JJ. October 21, 2019, 1432 - 1453. SIO 555. Pop MX, YL soloist. Excellent signal. YL announcer in JJ. More pop MX. YL announcer with long monologue in JJ. More pop MX by mixed group. (Henley, WA)
- 7410 **CHINA *China Radio Int'l*** in JJ. October 25, 2019, 1536 – 1600. SIO 555. MX with OM vocalist. Listed target is FE. Pop MX, YL announcer with long monologue. MX clips interspersed throughout the monologue. Excellent signal. Off air and carrier gone at 1600. (Henley, WA)
- 7445 **MADAGASCAR *BBCWS*** 10/24 at 1500 News headlines, going to news magazine and getting really fadey by the BoH - F/G Barton-AZ
- 7460 **BOTSWANA *Voice of America***, 11/1, 0330. M, W, in dialogue, long talk by M, all in Kirundi (Tanzania, the Congo). Muddy audio - SINPO 44333 Barton-AZ
- 7490 **UNITED STATES OF AMERICA *The Overcomer Ministry*** via WBCQ Monticello, ME – 10/19 2116 noted with Brother Stair talking about the military strength of Israel, Russia and other countries in English; SIO 545. (Bueneman-MDDX)
- 7560 **THAILAND *Voice of America*** at 23:59 UTC Nov 19 with Yankee Doodle IS then sign on in Chinese. Very good with co-channel interference. // 11945 via Philippines Excellent. (Delmage, AB)

7780 **UNITED STATES** RAE - Okeechobee FL, 2352-2359 Oct 29, French program coming to a close with multi-language station IDs and some local music. At 2359 Bob Zanotti with WRMI station identification. Fair. (D'Angelo-PA)

7780 **UNITED STATES** *WRMI* for RAE Argentina, 23:50 GMT, Nov4, French program, man discussing his story about structure for freedom, life and death. Philosophical speech with references to World War II. ID at 23:57 RAE with sign off. SIO 444 (Fedette-ON)

9275 **PHILIPPINES** *FEBC Radio* 11/1 at 1330, long talk by W in Chinese dialect, soft pop vocals and going on thru the hour - Barton-AZ

9315 **UNITED STATES OF AMERICA** *WHRI* Cypress Creek, SC – 10/25 2307 noted with Christian teaching in English; SIO 434. (Bueneman-CCDX)

9335 **PHILIPPINES** *Voice of America* (via Tinang) 11/2 1530, mostly monologue of W in Korean - Very Good Barton-AZ

9350 **UNITED STATES OF AMERICA** *WWCR* Nashville, TN – 10/23 2134 noted with a Christian drama in English; SIO 323. (Bueneman-MO)

9395 **UNITED STATES OF AMERICA** *Radiodifusora Argentina al Exterior* via WRMI Okeechobee, FL – 10/9 0110 noted with features centered on Argentina in English; SIO 545. (Bueneman-MO)

9410 **ASCENSION ISLAND** *BBC World Service* relay – 10/24 0737 noted with discussion in English; SIO 323. (Bueneman-MO)

9445 **INDIA** *All India Radio* GOS at 2103 UTC Nov 9 with News and Commentary. Into Music a 2111 UTC. Fair // 11740 kHz poor (Delmage, AB)

9445 **INDIA** *All India Radio* via Bengaluru – 10/4 2133 noted with traditional Indian music, ID and commentary in English; SIO 333. (Bueneman-LSDX)

9445 **TAIWAN** *Nippon no kaze*/ IL bon ue baram (Oppo/Clan) 10/31 at 1530 long monologue with W in Korean, then man - Barton-AZ

9450 **SRI LANKA** *Adventist World Radio* (AWR) 11/3, 1445. Talk by W in Chinese to piano music and off just before the ToH - Barton-AZ

9455 **UNITED STATES OF AMERICA** *The Overcomer Ministry* via WRMI Okeechobee, FL – 10/25 2231 noted with Brother Stair discussing Scripture with a guest in English; SIO 545. (Bueneman-CCDX)

9470 **TAIWAN (PRESUMED) CLANDESTINE / OPPOSITION** *Furusato no Kaze* likely from Tanshui. October 24, 2019, 1623 – 1630. SIO 444. YL with talk and contact information including web site ID. Instrumental background MX and YL with homily. More choral MX with OM soloist. Listed target is North Korea. Sign-off and off air at 1630. (Henley, WA)

9555 **SAUDI ARABIA *Saudi Radio Int'l*** via Riyadh – 10/28 2204 noted with news in Arabic; SIO 323. (Bueneman-M0)

9560 **TAIWAN *Furusato no kaze*** (Opposition/Clandestine) 11/3 at 1440. Long monologue with W in Japanese over soft music, off mid-sentence at 1457 - Barton-AZ

9565 **UNITED STATES OF AMERICA *Radio Martí*** via Greenville, NC – 10/23 2136 noted with commentary in Spanish; interference from a Cuban jammer with video game sound effects; SIO 444. (Bueneman-M0)

9570 **CHINA *China Radio Int'l*** via Urumqi – 10/23 2144 noted with commentary in French; SIO 323, ACI from Radio Martí on 9565 kHz. (Bueneman-M0)

9585 **SWAZILAND *TWR Africa*** 11/3, 1510. Music bridges, talk by M in French, closing on the half hour - Barton-AZ

9615 **PHILIPPINES *BBC*** in KK Relay via Tinang. October 24, 2019, 1614 – 1522. SIO 545. Listed target is FE. OM and YL announcers alternating in KK with talk and discussion. Moderate QRN but a good signal and easily listenable. MX clips between program segments. Language lesson EE / KK with YL instructor. (Henley, WA)

9620 **TURKEY *Voice of Turkey*** via Emirler – 10/4 2131 noted with Middle Eastern music and brief description of the music in English; SIO 333. (Bueneman-LSDX)

9625 **PHILIPPINES *Voice of America*** relay Tinang – 10/25 2235 noted with commentary and discussion in Chinese; SIO 434. (Bueneman-CCDX)

9635 **CLANDESTINE *Radio Ndarason Int'l*** – Woofferton, 1810-1859* Oct 31, group vocals followed by a man announcer speaking in the presumed Kanuri language. Soon other men joined conversation. Mix of brief musical selections between talk features. Nice station ID at close down before instrumental music until carrier terminated. Fair. (D'Angelo-PA)

9635 **FRANCE *Radio France Int'l*** – Issoudun, *1900-1912 Oct 31, opened as soon as Radio Ndarason Int'l closed with two men announcers with French language station IDs and talk in the French service. Fair. (D'Angelo-PA)

9635 **TURKEY *Voice of Turkey*** - Emirler, 2054-2119 Oct 31, Turkish music selections followed by features in French language service. Numerous station IDs and Turkish vocals. Fair to good signal. (D'Angelo-PA)

9640 **CHINA *China Radio Int'l*** via Kashgar – 10/23 2200 noted with ID into news in Spanish; SIO 323, underneath Radio Havana Cuba (Bueneman-M0)

9640 **CUBA *Radio Havana Cuba*** via La Habana – 10/23 2200 noted with news and commentary in Spanish; SIO 434, over CRI Kashgar (Bueneman-M0)

9665 **BRAZIL *Radio Voz Missionaria*** ZYE890 Camboriú, Santa Catarina – 10/25 2210 noted with a sermon in Portuguese; SIO 333. (Bueneman-CCDX)

9675 **CHINA *China Radio Int'l*** via Beijing – 10/25 2250 noted with commentary in Chinese; SIO 323. (Bueneman-CCDX)

9690 **SPAIN *REE***, Mon Nov 18 at 2300, REE English, Justin Coe introducing “Concerto 1700” playing some restored early music. Very nice, but forget about any current events (Hauser-OK)

9690 **SPAIN *Radio Exterior de España*** via Noblejas – 10/25 2208 noted with commentary and discussion on the re-interment of Generalissimo Francisco Franco in English; SIO 545. (Bueneman-CCDX)

9790 **FRANCE *Radio France Internationale*** via Issoudun – 10/19 2119 noted with commentary and discussion in French; SIO 333. (Bueneman-MDDX)

9800 **PHILIPPINES *Voice of America*** at 1920 UTC Nov 9 with talk in Korean. Excellent (Delmage, AB)

9820 **UNITED KINGDOM *Woofferton (P) Test Transmission*** at 1342 UTC Oct 17 with “You are listening to a test transmission” then music “Worldwide Harmonics” by Desco. Also mentioned a Gmail address for reports, the same as used in the past when engineers were working on transmitters at this site... Only lasted a few minutes. Very Good (Delmage, AB)

9820 **BRAZIL *Radio Nove de Julho*** ZYE971 São Paulo – 10/28 2350 noted with local ads, commentary and discussion in Portuguese; SIO 323. (Bueneman-MO)

9830 **TURKEY *Voice of Turkey*** at 2300 in EE. Relations with Syria over the years 10/9 (Fraser-ME)

9850 **FRANCE *Adventist World Radio*** – Issoudun, 1946-1959* Nov 8, a man announcer with religious talk in listed Igbo language. Segment of instrumental music at 1954 followed by a woman announcer with closing announcements and station ID. Slow instrumental music until carrier terminated. Poor to fair. (D'Angelo-PA)

9865 **INDIA *Vividh Bharati*** in Hindi at 1734 UTC Nov 23 with songs like “Aap Yun Faaslon” by Lata Mangeshkar. Abrupt off at 1740:35 UTC. Excellent. (Delmage, AB)

9875 **TAJIKISTAN *Radio Free Asia*** via Dushanbe – 10/4 2334 noted with discussion in Tibetan; SIO 333. (Bueneman-LSDX)

9900 **TAIWAN *Radio Taiwan Int'l*** via Paochung – 10/25 2254 noted with commentary and discussion in Chinese; SIO 434. (Bueneman-CCDX)

9940 **SWAZILAND *Manzini Mpangela ranch***, Swaziland, TWR 19:15 GMT, Oct 24, man speaking in Lingala followed by religious songs, slight fading, SIO 444 (Fedette-ON)

10051 **NEWFOUNDLAND Gander VOLMET** – 10/4 2158 noted with weather conditions and forecasts for various Canadian airports; SIO 444 in USB. (Bueneman-LSDX)

11530 **CLANDESTINE Denge Welat** – Issoudun, 1533-1552 Oct 30, nice program of regional instrumental music seemingly operating on old frequency instead of new 11,540 kHz. Fair signal. (D'Angelo-PA)

11540 **CLANDESTINE Denge Welat** – Issoudun, 1430-1442 Oct 30, appears to be the one still with nice vocals and music with some periodic talks in presumed Kurdish language. No sign of Turkish jamming station (being called "Radio Recep Erdogan"). Poor to fair. (D'Angelo-PA)

11540 **FRANCE Radio Denge Welat**, 16:14, Nov22, Kurdish program, man talking with various speakers, very noisy, SIO222 (Fedette-ON)

11560 **INDIA All India Radio** at 1640 UTC Oct 23 with one continuous percussion tune to abrupt off at 1714:30 UTC. Very Good (Delmage, AB) Usually the Russian language program at this time? (Delmage, AB)

11590 **CHINA CNR-1** at 1725 UTC Nov 20 with talk over slow music. Very Good // 6125 kHz Very Good// 6175 Excellent// 7230 noisy// 7290 Fair// 7305 Excellent// 7345 noisy// 7365 Good// 9845 Poor. Played the song "Gin Ai De" by Karen Mok at 1757 UTC. 5 plus 1 time pips at 1800 UTC. (Delmage, AB)

11590 **TAIWAN ROC Sound of Hope** Xi Wang Shi Sheng at 1735 UTC Nov 12 in Chinese with usual slow talk and music. Excellent // 6230 Very Good // 6370 Very Good (Delmage, AB)

11610 **MADAGASCAR Madagascar World Voice** – 10/19 2124 noted with Chinese language lessons with English translations into a sermon in Chinese; SIO 444. (Bueneman-MDDX)

11610 **UNITED KINGDOM Voice of America**, 16:13 GMT, Nov 22, Somali broadcast, man speaking with English tapes interspersed followed by pop music, fairly noisy, SIO333 (Fedette-ON)

11720 **MADAGASCAR AWR** at 1704 UTC Nov 8 in Swahili singing hymns and preaching. Very Good (Delmage, AB)

11725 **NEW ZEALAND RNZI** at 0559 UTC Nov 8 with Interval Signal, Time pips sign on with RNZ National news. Very Good (Delmage, AB)

11750 **SRI LANKA SLBC** at 1659 UTC October 15 in Sinhala with music and talk. Good signal to 1740 UTC when it started to drop. (Delmage, AB) Also noted at 1726 UTC Oct 20 with fair reception. (Delmage, AB)

11760 **CUBA Rado Habana Cuba** in SS. October 26, 2019, 1523 – 1528. SIO 444. YLs with monologue / conversation. OM and YL announcers alternating with news items and commentary. Steep QSB, moderate QRN. Program ID given. (Henley, WA)

11770 **NIGERIA** *Voice of Nigeria*, 20:55GMT, Nov8, Discussion with two men in local language, followed by African folk music, drums, voices, string instruments, signal cut off abruptly at 20:57 SIO 444 (Fedette-ON)

11780 **BRAZIL** *Radio Nacional da Amazônia* ZYE365 Brasilia, D.F. – 10/19 2217 noted with pop music and commentary in Portuguese; SIO 545. (Bueneman-MDDX)

11780 **BRAZIL** *Radio nacional da Amazonia*, 20:59 GMY, Nov 8, Portuguese, female announcer, news at 21:00, slight fading, SIO444 (Fedette-ON)

11800 **AUSTRIA** *AWR* at 1727 UTC Nov 1st in Swahili with man preaching. Abrupt off at 1729:30 UTC Fair (Delmage, AB)

11810 **SOUTH KOREA** *KBS World* via Kimje – 10/4 2209 noted with news and analysis in English; SIO 323. (Bueneman-LSDX)

11815 **BRAZIL** *Radio Brasil Central* ZYE440 Goiânia, Goiás – 10/4 2312 noted with pop music and local ads in Portuguese; SIO 444. (Bueneman-LSDX)

11815 **TURKEY** *Voice of Turkey* at 1430 UTC Nov 1st in Turkish relaying TRT Radyo 1 football game. Very Good (Delmage, AB)

11820 **SAUDI ARABIA** *Saudi Radio Int'l* via Riyadh – 10/4 2213 noted with Holy Qu'ran program in Arabic; SIO 333. (Bueneman-LSDX)

11820 **SAUDI ARABIA** *Saudi Radio Int'l* via Riyadh – 10/19 2130 noted with the Holy Qu'ran program in Arabic; SIO 444. (Bueneman-MDDX)

11850 **CUBA** *Radio Havana Cuba* via Quivicán – 10/25 2201 noted with ID and news in Spanish; SIO 434. (Bueneman-CCDX)

11880 **AUSTRIA** *Adventist World Radio Africa* via Moosbrunn – 10/4 2121 noted with Christian teaching program in English; SIO 333. (Bueneman-LSDX)

11880 **CUBA** *China Radio Int'l* at 1450 in EE. Report on the environment. 10/4 (Fraser-ME)

11915 **SAUDI ARABIA** *Saudi Radio Int'l* via Riyadh – 10/19 2133 noted with the Holy Qu'ran program in Arabic; SIO 323. (Bueneman-MDDX)

11930 **UNITED STATES** *Radio Marti* in SS. October 24, 2019, 1608 – 1613. SIO 333. OMs conversing in SS. Heavy QRN, steep QSB. OM announcer, conversation with OM and YL interviewees. Listenable with some difficulty. More talk and interviews in SS. (Henley, WA)

11940 **SPAIN** *Radio Exterior de España* via Noblejas – 10/25 2204 noted with commentary on the re-interment of Generalissimo Francisco Franco in English; SIO 434. (Bueneman-CCDX)

11965 **MADAGASCAR** *Madagascar World Voice* – 10/23 2120 noted with vocal Christian music and Scripture reading in Portuguese; SIO 323. (Bueneman-MO)

11965 **MADAGASCAR** *World Christian Broadcast*, African pathways radio, 20:20GMT, Oct 30, English program, Charles Atlas body builder story, Discussion on notable holidays like Halloween, apartheid in South Africa. ID at 20:25 SIO 545 (Fedette-ON)

11965 **MADAGASCAR** *World Christian Broadcasting/African Pathways Radio* 11/4 at 1958. Open carrier at tune-in, opening at 2000 with fanfare, man: "Welcome to African Pathways Radio", music of Alison Krauss and Union Station, programs on ministering to the incarcerated and managing money in marriage - Excellent Barton-AZ

11985 **FRANCE** *R Algerienne* Holy Quran 11/4 1930, M in Arabic, vocal music 1943, more talk, middle easternish music, then sudden close at 1958 - VG Barton-AZ

11995 **FRANCE** *Deutsche Welle*, 16:16, Nov 22 Amharic program, man and woman talking, poor SIO222 (Fedette-ON)

12030 **SPAIN** *Radio Exterior de España* via Noblejas – 10/23 2104 noted with discussion in Spanish; SIO 434. (Bueneman-MO)

12030 **SPAIN** *Radio Exterior de España* via Noblejas – 10/25 2207 noted with commentary and discussion on the re-interment of Generalissimo Francisco Franco in English; SIO 444. (Bueneman-CCDX)

12050 **CLANDESTINE** *Radio Ndarason Int'l* – Ascension Island, 2000-2042 Nov 8, woman announcer with talk in the listed Kanuri language under a strong WEWN which later faded down a little. (D'Angelo-PA)

12060 **UNITED STATES OF AMERICA** *Radio Martí* via Greenville, NC – 10/29 0058 second harmonic of 6030 kHz, noted with promo in Spanish; SIO 323. (Bueneman-MO)

12075 **BOTSWANA** *Voice of America*, 20:24 GMT, Nov 22, French program, discussion on local African matters, reading letters from listeners, followed by pop music. Cut off abruptly at 20:29. SIO333 (Fedette-ON)

12095 **ASCENSION ISLAND** *BBC World Service relay* – 10/4 2118 noted with discussion on human versus artificial intelligence in English; SIO 545. (Bueneman-LSDX)

12095 **ASCENSION ISLAND** *BBC* at 2115 in EE. Improving life on the Pacific isle of Baniwani 10/8 (Fraser-ME)

12095 **ASCENSION ISLAND** *BBC*, 20:30GMT, Nov 22, English news program. News on Canada, Mauritius, and impeachment hearings on trump, Bolivian news. Noisy, fair SIO222 (Fedette-ON)

12160 **UNITED STATES WWCR 2** in EE. October 24, 2019, 1553 – 1603. SIO 333. CSC Talk Radio with Beth Ann. Interview by YL with an YL author, Shari Peterson, talking about loss. Discussion of her new book and a web site she has... (Henley, WA)

12160 **UNITED STATES WWCR 2** from Nashville, TN in EE. October 25, 2019, 1611 – 1617. SIO 444. Alex Jones show. Conspiracy theories, political talk, and wild right-wing themes. (Henley, WA)

12160 **UNITED STATES WWCR 2** in EE from Nashville, TN. October 26, 2019, 1529 – 1537. SIO 444. OM preacher with fiery sermon and congregation participation. Fire and brimstone sermon, rant against “false prophets” Moderate QRN, steep. Slow QSB. Listenable. (Henley, WA)

13580 **ESWATINI (SWAZILAND) Trans World Radio** - Manzini, 1614-1627* Oct 31, religious talk in presumed Kirundi language until music at 1625 followed by apparent close down announcements until carrier was terminated. Poor. (D’Angelo-PA)

13680 **JAPAN Radio Japan** (NHK World) via Yamato – 10/19 2138 noted with piano music and commentary in Japanese; SIO 323. (Bueneman-MDDX)

13710 **SAUDI ARABIA BSKSA** Holy Quran in AA. October 24, 2019, 1547 – 1553. SIO 333. OM Chorus chanting in AA. Moderate QRN. OM with talk after chanting. More AA chanting follows. (Henley, WA)

13710 **MADAGASCAR World Christian Broadcasting** 11/3 at 2030 M and W in dialogue in Arabic - Barton-AZ

13740 **CUBA Radio Havana Cuba** via Bejucal – 10/19 2317 noted with commentary on Cuban political processes in English; must be a substitution, as 7380 kHz is scheduled at this time; SIO 555. (Bueneman-MDDX)

13750 **THAILAND Radio Thailand** at 0000 UTC Nov 7 with time pips, ID and National Anthem followed by Morning Newshour. Very Good (Delmage, AB)

13770 **CHINA China Radio Int’l** via Xianyang with Interval Signal and sign on in Vietnamese, Excellent (Delmage, AB)

13840 **NEW ZEALAND Radio New Zealand Pacific** via Rangitaiki – 10/4 2335 noted with pop music, brief talk and “RNZ National” ID in English; SIO 323 with ACI from WWCR on 13845 kHz. (Bueneman-LSDX)

13840 **NEW ZEALAND Radio New Zealand Pacific** via Rangitaiki – 10/19 2322 noted with commentary in English; SIO 323. (Bueneman-MDDX)

14850 **TAIWAN Sound of Hope** (Xi Wang Shi Sheng at 0240 UTC Oct 17 in Chinese with two men chatting. Very Good (Delmage, AB)

15300 **FRANCE *Radio France Int'l*** – Issoudun, 1617-1626 Nov 7, mix of Hausa language talks and local music selections. Fair signal. (D'Angelo-PA)

15370 **CUBA *Radio Havana Cuba*** via La Habana – 10/4 2124 noted with news analysis in Spanish; SIO 555. (Bueneman-LSDX)

15410 **AUSTRALIA *Reach Beyond*** at 2259 UTC Nov 8 with Interval Signal, frequency schedule then off at 2300 UTC. Very Good (Delmage, AB)

15450 **TURKEY *Voice of Turkey*** at 1245 in EE. Music program. 10/8 (Fraser-ME)

15476 **ANTARCTICA *LRA36*** at 2348 UTC October 20 with snippets of audio (female talk) and at 2359 UTC a ballad. Time pips at 0000 UTC (3 or 4). Listened past 0100 but by then no audio. Still showing a blip on the screen past 0102 UTC tune out. Poor JBA (Delmage, AB)

15575 **KOREA, SOUTH *KBS World Radio*** at 0156 UTC Nov 9 with Interval Signal and multi-language ID's. Sign On in Spanish at 0200 UTC. Fair (Delmage, AB)

15580 **BOTSWANA *Voice of America*** relay Mopeng Hill – 10/19 2103 noted with news in English into pop music; SIO 333. (Bueneman-MDDX)

15880 **BOTSWANNA *Voice of America*** at 1745 . Item on the lack of trained medical personnel in Norther Africa 10/8 (Fraser-ME)

17775 **UNITED STATES *KVOH – the Voice of Hope*** – Rancho Simi, 1600-1617 Nov 7, stumbled on English language station ID (“This is the Voice of Hope, KVOH ... broadcasting on 17,775 kHz in the 16 meter band”) followed by a Spanish language station ID and Spanish language programming. Fair signal but very deep fades. (D'Angelo-PA)

17800 **FRANCE *Mini-Transat La Boulangère*** – Issoudun, 1503-1558* Nov 7, weather forecast for second leg of yacht race with a man announcer giving weather forecast in the French language followed by a woman announcer with weather forecast in English. At 1055 closed with the Mission Impossible theme music. Fair to good reception although occasional deep fades. (D'Angelo-PA)

17895 **BOTSWANA *Voice of America***, 17:35 GMT, Nov13, English discussion on causes of hunger both political and geopolitical, suggested solutions for food insecurity in Africa, Man asking question and woman responding excellent signal SIO 545 (Fedette-ON)





On the Short Waves

by Jerry Berg

<www.ontheshortwaves.com> **Update, October 27, 2019**—What was a station with the call letters RXXR doing in Santa Monica Bay, a few miles from Los Angeles, and why was it calling itself the Voice of Panama? Find out in “Rx for DX: Radio Outlaws of the West,” under “DX History/Stations.”

<www.ontheshortwaves.com> **Update, November 3, 2019**—This time, under “Specialized Resources/The Early DX of David F. Thomas,” we have added 71 Mexican broadcast band QSLs ranging in date from 1931 to 1973.

<www.ontheshortwaves.com> **Update, November 10, 2019**—Almost by definition, shortwave broadcasting from an African country called Equatorial Guinea is going to be a worthy DX experience, and for decades the country has provided SWBC DXers with interesting DX targets. One aspect of the SWBC history of the former Spanish Guinea is Radio Atlantica, a “station that never was.” In “Equatorial Guinea Reprised,” posted under “DX History/Stations,” we revisit a 1995 article about shortwave in the country, and add some additional information and some graphics.—And we have added two new recordings--from Botswana and Egypt--under “Specialized Resources/The DX Recordings of Colin Miller.”

<www.ontheshortwaves.com> **Update, November 17, 2019**—Under “DX History/Recordings/Colombia-III,” we have posted a baker’s dozen of recordings of shortwave stations of the past from Colombia. Are Alcaravan/Conciencia still heard at all? In the 1970s, when half of these recordings were made, there were dozens of shortwavers in Colombia. The recordings are [ID locations in brackets]: (1) Armonias del Caqueta, Florencia, 4915 kHz., 1982 [:13]; (2) Emisora Meridiano 70, Arauca, 4926 kHz., 1976 [:26]; (3) La Voz del Guaviare, San Jose del Guaviare, 6035 kHz., 1984 [:38, 1:53]; (4) La Voz del Norte, Cucuta, 4875 kHz., 1977 [:39, 1:05]; (5) Ondas del Meta, Turbo, 4885 kHz., 1976 [:06]; (6) Ondas del Orteguzaza, Florencia, 4975 kHz., 1977 [:41]; (7) R. Autentica, Villavicencio, 5975 kHz., 2002 [:37, 1:28]; (8) R. Cinco, Villavicencio, 5040 kHz., 1976 [:27, :45]; (9) R. Lider, Bogota, 6140 kHz., 2005 [:32, :57, 1:27, 2:55, 3:17]; (10) R. Melodia, Bogota, 6140 kHz., 1978 [1:42, 1:59, 2:16, 2:36]; (11) R. Neiva, Neiva, 4855 kHz., 1980 [:37, :55]; (12) R. Sucesos de Colombia, Bogota, 6160 kHz., 1978 [:45, :57]; and (13) R. Surcolombiana, Neiva, 5010 kHz., 1976 [:03, :17].—And under “Specialized Resources/Wavescan,” we have five new stories from Adrian Peterson: (1) “California Mediumwave Station Celebrates 99 Years [KNX]” (Wavescan N555, October 13, 2019); (2) “Mediumwave KNX-CBS in Los Angeles on Shortwave” (Wavescan N556, October 20, 2019); (3) “The

Andorra Radio Wars" (Wavescan N557, October 27, 2019); (4) "WWV 100th Anniversary: The Forgotten Callsigns-2" (Wavescan N558, November 3, 2019); and (5) "CBS on Shortwave in California: The Voice of America, Delano-1" (Wavescan N559, November 10, 2019).

<www.ontheshortwaves.com> **Update, November 24, 2019**—We have already posted in "DX History/Stations" two postcard views of the huge RCA shortwave transmitting facility known as Radio Central and located at Rocky Point, Long Island, New York. Under "Specialized Resources/Radio Postcards" (New York) we have pulled together six views of Radio Central (including the aforementioned two). The first three cards are postmarked 1929, 1932 and 1942 respectively. In addition, we have posted a postcard foldout which contains a view of Radio Central, and information about the New York RCA operation in 1945. Finally, we have a postcard view of the Radio Central receiving buildings, which were located in Riverhead, at the far eastern tip of Long Island. Radio Central was inaugurated in 1921, before the long-distance properties of shortwave were fully appreciated. RCA started major experiments with shortwave in 1923. Judging by the car shown in the Riverhead postcard, that view is likely from around 1930. Many programs and news reports from overseas came by way of shortwave to Radio Central.



NASWA Flashsheet

Are you getting the latest hot information about what is happening on the shortwave bands? If you have not signed up for the club's electronic *Flashsheet* service, you are missing out on timely news and information about the DX scene that will enhance your shortwave listening pleasure. If you are a current member of the club and want to receive the electronic Flashsheet just drop **Rich D'Angelo** (rdangelo3@aol.com) a note with your e-mail address, location and membership expiration date from your mailing label. You can participate by sending your latest logs to the electronic *Flashsheet* edited by **Mark Taylor**, markokpik@gmail.com. The club's electronic *Flashsheet* helps members stay on top of the action with breaking shortwave news and information. The electronic newsletter is an excellent supplement to the monthly *Journal* for the timely dissemination of DX loggings and breaking news.



NASWA Facebook Page

Join moderator **Richard Murphy** <richard.murphy@swri.org> at the club's Facebook page which provides members with another way to keep in touch. While the existence of the group is visible to all Facebook users, the online postings are available only to group members and group members must be NASWA members. Comments and suggestions from the membership are welcome. To locate the NASWA Facebook page, simply enter "North American Shortwave Association" into the search box on the top toolbar. If you are into social media, give it a try.



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