

The **NASA** Journal

VOLUME LX NUMBER 4

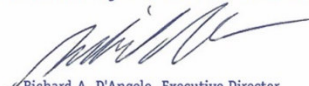
APRIL 2020



The North American Shortwave Association
2020 William P. Eddings Award
Member of the Year

VINCE HENLEY

*Presented this 29th day of February, 2020
at Plymouth Meeting, Pennsylvania
on the occasion of the 33rd Winter SWL Fest.*


Richard A. D'Angelo, Executive Director

North American Shortwave Association – America's Shortwave Broadcast Club

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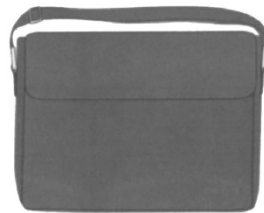
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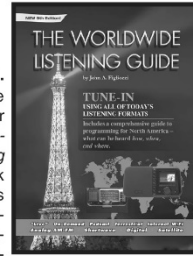
B Radio Books, **C** Radio Catalogs, **D** Radio Manuals

WORLDWIDE LISTENING GUIDE

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Modeled on the author's popular *Worldwide Shortwave Listening Guide*, this 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 9th Ed. 192 p. ©2019. List \$29.95.

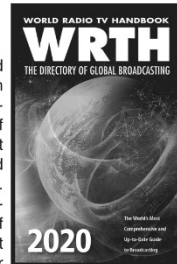
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WORLD RADIO TV HANDBOOK 2020

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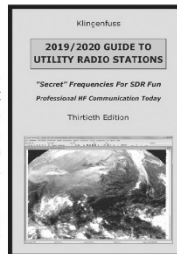


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By **F. Osterman**.

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NASWA Notes

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

As we go to press, the coronavirus crisis has dominated the news. Our hobby is one that tends to be practiced indoors and alone so social distancing becomes pretty easy while listening to the shortwave bands. Our radio shack should provide some level of comfort while this pandemic is with us. Stay healthy!

The club's annual Winter SWL Festival was another big success. Thanks to Rich Cuff and John Figliozzi - the FESTmeisters - for hosting another outstanding radio related event in beautiful Plymouth Meeting and thanks to all the attended and participated. I had the pleasure of making the announcement at the recently held Winter SWL Festival banquet on Saturday evening, February 29th that Vince Henley was selected by the club's Executive Council to be the 2020 William P. Eddings Award recipient in recognition for his many years of outstanding and dedicated service as a regular contributor to NASWA. Vince's regular reports of what can be heard provide club members with valuable insight into international shortwave broadcasting activities. Also, his periodic articles and musings help provide original content which helps the Shortwave Center and Musings columns bring useful news and information to club members. His active support of the club through contributions to the electronic Flashsheet, and the monthly print edition of **The Journal** were outstanding. His selection by the Executive Council for this honor is well deserved. Congratulations Vince!

This month's cover features our 2020 William P. Eddings Award recipient Vince Henley sitting in his radio shack in front of his listening equipment as well as the member of the year award certificate. The current

radios in the shack are the Ten Tec RX-340 (nearly hidden by the laptop screen) an ICOM R-8600, a WinRADIo G39DDCe, an SDRPlay RSPduo, and an SDRPlay RSPdx. The G39 runs on WinRADIo proprietary software and the RSP radios use SDR UNO V1.33. The G39 has its own power supply, the R-8600 runs on a battery bank and the RSPs are powered by the USB ports on the laptop. The Z-Book laptop was custom made by HP for this application and uses a quad Xeon processor and has a couple terabytes of storage as well as an SD card port. The R-8600 also has an SD port so Vince can record anything he hears, but rarely does that unless searching for pirates. Vince can listen from near DC to at least 3.5 GHz with this setup but he rarely listen above 500MHz. This setup uses about one percent of the laptop's power for each instance of an SDR running, so essentially he is limited only by the number of USB ports and antenna connections available to attach the hardware. Even with steep filter edges Vince rarely use more than a couple percent of the compute power available. That is a great listening post set up. Well done Vince and thanks to John Herkimer who put together our cover this month.

In the weeks after our annual gathering, the coronavirus pandemic has spread throughout the world. As a result, many radio related events have been postponed and/or cancelled. **The National Association of Shortwave Broadcasters ("NASB") recently postponed their annual meeting scheduled to be held at the WEWN Shortwave transmitter site near Leeds, Alabama (suburbs of Birmingham) on Thursday, May 14 and Friday, May 15, 2020.** The CEO of EWTN, owner of WEWN shortwave, announced on March 13 that

they will not be able to host any meetings in the near future due to the COVID-19 coronavirus situation. NASB Board member Glen Tapley of WEWN said: "As much as we are looking forward to hosting the meeting and getting together with everyone, we are going to have to hold off on hosting NASB. Travel plans of attendees should not be finalized at this point. We will stay in contact and keep an eye on the coming weeks and months and hopefully be able to host NASB later this year." The Dayton Hamvention Executive Committee has announced that this year's Hamvention has been cancelled due to the Coronavirus pandemic. The following is a statement from General Chairman Jack Gerbs: "The Hamvention Executive Committee has been monitoring the COVID19 pandemic. We have worked very closely with our local and state health Departments. It is with a very heavy heart the Hamvention Executive Committee has decided to cancel Hamvention for this year." Also, the National Association of Broadcasters will not hold the NAB Show, at least in April, due to public health concerns about coronavirus. NAB President/CEO Gordon Smith made the announcement. "We are currently considering a number of potential alternatives to create the best possible experience for our community," Smith said. The show markets itself the world's "largest and most comprehensive convention encompassing the convergence of media, entertainment and technology." It drew approximately 91,400 people to Las Vegas in 2019, and featured some 1,600+ exhibitors. International attendance is an important part of the event; last year about 26% of people came from abroad. Of those, about 30% were from Asia. The NAB hopes to re-schedule for later this year. As we go to press many other events have begun the cancellation process as well as sporting events. Radio listening from home has become a very good idea.

Now that the annual Winter SWL Festival has concluded hobbyists can still attend other gathering once the coronavirus concerns pass. The 2020 European DX Council ("EDXC") Conference will be held in Bucharest, Romania and is scheduled for 10-13 September 2020. There will also be optional post-conference excursions from Monday 14th September. Conference and accommodation venue: Parliament Hotel <<https://www.parliament-hotel.ro/en/>>.

The price of the rooms is about 75 Euro (double / twin) and 60 Euro (single) each night with breakfast included. A visit to Radio Romania International is scheduled on Friday 11th, in the morning, so it will be better to arrive on Thursday. The EDXC Banquet will be on Saturday evening. Another gathering is the 2020 International Radio Club of America ("IRCA") and Decalomania annual joint convention at the Four Points by Sheraton, 1221 S. Harbor Blvd., Anaheim, CA 92805 on September 10-12, 2020. The phone number for reservations is 714-758-0900 (mention convention). Guest room rate is \$115.00 per night plus tax and includes all you can eat breakfast. Parking is \$10.00 per day. Registration fee (not including the banquet) is \$25.00 payable to Mike Sanburn, P. O. Box 1256, Bellflower, CA 90707-1256. Activities will include station visits, IRCA business meeting, auction and nightly fireworks show. For more information contact mikesanburn@hotmail.com. Both these meetings are relatively far off so perhaps health matters will clear up to enable these events to happen.

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



Musings

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

Please e-mail your Musings, preferably as MS Word attachments, or postal mail them to Jerry using the addresses shown above. Please note that the new deadline for contributions to the May issue is April 15, 2020.

A couple of Musings were held over from last month due to page limits. Enjoy!

73, Jerry Alice

Brett Saylor, W3SWL, bds2@psu.edu, State College, PA

I've been reading some of the DXpedition reports in recent editions of the Journal and thought I would take a crack at writing up one about our yearly LBI DXpedition. While it's mostly a medium-wave listening event, our members listen to all bands including shortwave, FM, and long wave. This year's attendees included Russ Edmunds, Kris Field, Mike Hunter, Chuck Rippel, Ralph Brandi and myself. The DXpedition has been held each fall since 2002 and the results are archived at the site <http://www.radiodxing.com>.

The Long Beach Island DXpedition

Long Beach Island (a.k.a. LBI) on the southern coast of New Jersey in the US has been the site of a (mostly) medium wave-oriented DXpedition held every autumn since 2002. Started by several east-coast DXers it has attracted attendees from New York, Connecticut, New Jersey, Pennsylvania, Iowa, Maryland, Massachusetts and Virginia. For the first fifteen years the DXpedition was held in a beachfront motel in the town of Ship Bottom, NJ, approximately 30 miles north of Atlantic City and 50 miles east of Philadelphia PA. In 2017 it moved to a private house across the bay in Beach Haven West due to the sale (and subsequent room price increase) of the ocean-front property. Attendance averages six or seven DXers each year, limited by the space available in the listening room of the house.

Prior to Hurricane Sandy in 2012 we typically deployed 800 to 1000-foot beverage antennas on the beach along the base of the north-south dune fence near the motel but, since moving to the house location, our current complement of antennas includes a 1-meter diameter Wellbrook 1530 loop, Europe- and southern-pointed 16' x 36' broadband loops (BBL's) and a 75' x 25' east-west KAZ delta loop. With the introduction of software-defined radios (SDR's) in 2007 the weekend has become more like a data-gathering expedition, with the analysis of audio and computer recordings extending for months after the actual event. The DXpedition started as a one-night event but by 2019 had grown to be a full week of listening. With the reduction in the number of high-powered international medium wave broadcasters we have expanded our DX target focus - for example, FM DXing has become a staple of the weekend, and we also target digital GPS-enhanced longwave beacons as well as NAVTEX broadcasts on 490 and 518 kHz from the US and Europe. Several members are avid shortwave DXers and in

2018 we began to DX the upper-sideband weather broadcasts in the 1700-1800 kHz range from European countries like Norway, Spain, Balearic Islands and Ireland. An occasional pirate station from the U.S. can be heard in the X-band (1610-1700 kHz) or slightly above, often around 1710 kHz, and we have heard several Greek pirate broadcasts above 1600 kHz. We will even log those low-powered TIS/HAR broadcasts which are prevalent on the east coast of the U.S. While we don't specifically target domestic U.S. stations we have managed to log transmitters in all but a few of the western states and Canadian provinces (while we have heard stations in Alaska, anything from Hawaii still eludes us).

Because of the low-angle propagation conditions at a beach location we can usually start to detect trans-Atlantic carriers on the 9 kHz split MW frequencies before 3:00pm local time (2000 UTC) and audio can often be heard soon after from some of the higher-powered outlets like Absolute Radio in the UK on 1215 kHz (60 kW power). Although a few high-powered stations such as the 2000 kW MR1 Kossuth Rádió on 540 kHz from Hungary can still be heard, long gone are the days of powerful transmitters in Sweden, Denmark and Norway with multi-lingual programming and interval signals similar to their shortwave outlets – today, those same frequencies are filled with lower-powered domestic Spanish synchronized transmitters and broadcasts from Iran and the Arabic-speaking countries of the Middle East and northern Africa. In 2018 we noticed carriers from stations in Asia near local dawn via the trans-Polar path as well as the 400-watt Australian X-band stations. Despite “seeing” the carriers on SDR waterfalls we have as yet been unable to hear audio from any of these stations so they remain as-yet uncounted in our loggings.

While low geomagnetic conditions are desirable for good trans-Atlantic reception, more auroral solar weather has yielded station logs from Central and South America and the Caribbean. Cuban medium wave stations are usually considered “pests” at LBI as we seek to hear more interesting Spanish-language broadcasts from Colombia, Venezuela, Ecuador and Argentina. The recent decommissioning of Radio Globo's high-powered MW outlets in Brazil has proven to be a disappointment as their excited Portuguese announcers and “wolf whistle” sound effects were distinctive bellwethers of enhanced southern conditions.

In the 18 years of LBI DXpeditions we have 4000 individual loggings of over 1500 distinct stations from 100 countries in the long- and medium-wave bands. In 2019 alone we logged 430 stations from 63 countries and international waters, with more logs likely as we continue to go through the SDR files. Individual years' logs as well as photos, audio recordings and musings from attendees are archived at <http://www.radiodxing.com>

LBI may not provide quite the same level of reception as other well-known east-coast locations such as Newfoundland, but we enjoy the camaraderie and opportunities for sharing knowledge that comes from spending time together each year dedicated to the hobby of DXing, and look forward to future years at LBI.

73, Brett

Ed Stroh – K9EGS and WPE9JNG, Thornton, IL

My Humble Radio Beginnings

My interest in radio/electronics started in 1965 when I received an Allied Radio Knight Kit walkie talkie and a Craftsman soldering gun for Christmas. (I still have the Craftsman soldering gun which works as good as the day I got it). The walkie talkie was the model C-555 transceiver. Once I soldered that kit together and turned it on for the first time, the radio bug had bitten me, I was hooked. I strung up a 50 foot length of bell wire from my bedroom window to a nearby telephone pole to use as antenna. I assumed that if I put up that wire that it would increase my range far beyond that of the small whip antenna that was built in on the walkie talkie. I don't remember talking to many people on that little walkie talkie, but I do remember hearing a lot of CB'ers. The selectivity on that unit was so wide that I could hear many different channels on the CB band even though the unit only had one crystal in it for CB channel 14.

Later that next year I built an Allied Radio Knight Kit Crystal Radio set. The crystal radio was fascinating to me since it worked without any electrical power, no battery needed. All you needed to hook up to it was a decent ground connection and some sort of an antenna wire and you could tune the AM radio band to listen to your favorite rock station through headphones.

About a year later we moved and I met a new friend who was interested in CB radio. He received an Allied Radio Knight Kit Safari 1 CB transceiver for his birthday. Him and I worked on that kit together and soon had it on the air. That prompted me to want my own CB radio so my dad bought me a used International Executive Model 100-D CB radio and a Antenna Specialists Model M-117 Super Magnum omni-directional CB antenna. I thought that was great to be able to talk to other CB'ers as far away as 20 miles. Back then, in the middle 1960's, CB was quite different than what it is today. There were a lot more gentlemen on the air in those days. We used our FCC assigned call signs when making a contact, observed proper radio etiquette and always made sure that we got off the air once we "shot the five." "Shooting the five" meant that we talked for the FCC allotted five minutes per contact and then got off the air giving someone else a chance to use the channel. Back then CB was kind of similar to ham radio in some ways. That all changed once the 70's came around and all the so called "good buddies" got on the air. The 70's were the beginning of the downfall of CB radio in my humble opinion.

The next Christmas (1967) my dad bought me another Allied Radio Knight Kit. This one was the Star Roamer shortwave receiver. Once I finished soldering all the resistors, capacitors, tube sockets, etc. and put it all together, I plugged it in the wall socket and powered it up with much anticipation. I could not believe it. It worked perfectly as soon as I turned it on. I was really hooked on radio now after hearing stations from all over the world. Can you imagine being able to listen to Radio Moscow, Radio Peking or HCJB in Quito, Ecuador from your south suburban Chicago apartment bedroom? This was great! I soon discovered that I could write reception reports for hearing those stations and send the reports to those far away places in order to receive a QSL card from them. Sending in those reception reports and receiving those fancy QSL cards from those exotic station locations became an interesting and rewarding extension of the shortwave radio listening hobby.

A few years later I traded my Knight Kit Star Roamer to a friend for a Hallicrafters SX-110 communications receiver. This was a much more selective and sensitive receiver than the

Star Roamer was. My country totals continued to grow.

The next thing I knew it was 1972 and I was married. That pretty much was the end of my shortwave DXing, at least for a little while. By 1976 I was back in the hobby again and this time Santa brought me my dream receiver, the Drake model SPR-4 communications receiver. That was the greatest thing since sliced bread, or at least I thought so. It had a frequency readout accurate to within +/- one kHz. That was a major improvement over the Hallicrafters SX-110 with which I had to guess what frequency I was listening to. Usually I did not know what frequency I was on until the announcer said what it was.

After having 2 children we moved in to our first house in 1978. One of my priorities was to build a "shack" in the basement and put up some major antennas. I installed a Mosley SWV-7 vertical antenna, a Mosley SWL-7 horizontal antenna, as well as a home brew inverted L long wire. We have since moved on to our second house in 1988 and I have built 2 new "shacks" since we moved here. After using the first "shack" for several years I then converted it into a laundry room and I moved to the second "shack" which used to be my oldest son's bedroom before he moved out of the house.

Part of my SWling career was spent as the president and publisher of a local radio club named Chicago Area DX Club (CADX). We covered SWL, Utility, AM, Pirate, etc. Every month I wrote the president's column and I had to paste together all the articles and columns submitted by members and convert it into an 8-1/2 by 11 inch format for copying and then staple each booklet together for mailing. It was usually about 10-20 pages long. I served in that position from 1992 until about 2000 when the club newsletter became an email only newsletter. By 2000 the number of members in the club had dwindled to a level too low to support the expense of printing and mailing a paper monthly newsletter. CADX is now defunct and has been since about 2008.

In 1999 I upgraded to a Drake R8B receiver and an Alpha Delta DX-SWL Sloper antenna. What a great receiver that is! Even though I now have this close to "top of the line" receiver, my country totals haven't grown very much since then. At that point I had QSLs from about 107 countries. You see, for the most part, I was only reporting to shortwave stations that broadcasted in English. That puts a limit on how many countries that one can verify.

Fast forward now to the year 2009. This is the somewhat unusual story of how I finally got down to business and got my Ham license. In about May or June 2009 I was watching an episode of the Andy Griffith Show. There was a scene where Sheriff Andy Taylor and Deputy Barney Fife were sitting in the sheriff's office. On the table next to Andy's desk I could see their police radio. Actually it was not a police radio at all. It was an Eico model 720, 80-10 meter band amateur radio CW transmitter. The average viewer would not even notice that, but I did. It brought back memories to when I was in high school and I used to go over to a friend's house who had a novice class ham license. He used the Eico 720 transmitter along with a Drake R4A receiver. I remember how it amazed me that he could make CW contacts with people all over the world. After seeing that Andy Griffith episode and remembering my friend's Eico transmitter, I decided that it was about time that I got my ham license. I have always wanted to be a licensed ham for many years but just never got around to it. At this point of my life I had more time to devote to studying for the license test since I was now

retired. I also had more time to devote to the ham activity once I got my license. So I diligently studied for the Technician and General tests and passed them both on the same day in June 2009. My first call sign was KC9QAT but I immediately applied for my present vanity call sign, K9EGS, which contains my initials. Within a week after getting licensed I looked up the local Tri-Town Amateur Radio Club on the Internet. I knew a little about them from a co-worker who was a Tri-Town member many years ago. My first encounter with Tri-Town was to participate in their Field Day in June 2009. That day was also my first time transmitting on the ham bands since receiving my license because I still did not have a transceiver of my own yet. I really appreciated those Tri-Town guys who helped me get through that very first contact on the air. It was a bit awkward since I was not familiar with all the contest lingo and procedures. I think that I made about 10 contacts that day to help boost the club station total just a little bit.

After Field Day I was really energized about Amateur Radio. I had been listening to hams operating on the air for many years during my SWLing career, but now I needed a transceiver. So my first step was to attend a Hamfest in July 2009 about 25 miles from my home. That is where I met an elderly ham who seemed to be starting to wind down his ham career a little bit by selling off some of his gear. I was a bit skeptical at first to buy a used radio from someone that I had just met. But after talking to him for a while I felt that he was not the type of person who was out to make a fast buck at my expense. I hemmed and hawed for a bit and then finally asked him what the lowest price was that he would be willing to accept. He started out asking \$850 for the Yaesu FT-920 transceiver and eventually went down to \$600. I think that I made a good deal. When I got home I checked around a bit on the Internet and found the Yaesu FT-920 transceiver selling for around \$800 on average. So I was satisfied with the price that I paid and I was satisfied with the unit's performance after putting it on the air. When I was at the Hamfest I also bought an Alpha Delta DX-CC 80-10 meter dipole antenna from one of the vendors there. I did a lot of prior research on commercially available antenna prices, sizes and performance. This one seemed to fit my needs just fine since I live on a typical somewhat small suburban lot and had a limited ham gear budget. A couple of years ago I upgraded to a new Yaesu FTDX-1200 transceiver and still use the same Alpha Delta DX-CC antenna.

I have achieved a few accomplishments thus far in my ham radio career. I have attained WAS (Worked All States and verified them) on 80 meters, 40 meters and 20 meters as well as DXCC (worked 100 countries and verified them) on 20 meters, 15 meters and 10 meters.

In 2009, when I received my amateur radio license, my interests changed from SWLing to Ham Radio and I dropped out of NASWA. I was a long time NASWA member from around 1975 until 2009. I remember before the "Journal," the monthly newsletter was called "FRIENDX." Those were the glory days of SWLing. Just recently, November 2019, I got interested in SWLing again. The main thing that got me re-interested in SWLing was the release of Bob Raymond's newest version of DXtreme Monitor Log, (Monitor Log 12). Since I am a long time customer of DXtreme Software, Bob sent me an email announcing the release of the latest version of his great logging program. I am still very much into Ham Radio, but at the same time I am also returning to my radio roots, SWLing. Things sure have changed over the years with SWLing. A lot of the "big gun" well known stations are gone, probably forever. The Internet is great and I would not want to be without it, but I blame it, as well as financial

problems, for the decline of SW stations on the air nowadays.

I hope that my ramblings have at least been somewhat interesting reading for you. It has always been interesting to me to read about how other people got their start in radio. If you are interested in a photo of my "shack" you can look me up on the Internet at QRZ.com and type in my call sign, K9EGS, in the little search box toward the upper left of the screen that says "Enter Query." Once my page comes up you will see a photo in the upper right of the screen. Point and left click on the photo to enlarge it and you can see my humble "shack."

If you are interested in traveling down memory lane and want to see some of the old Allied Radio Knight kits you can surf to:


http://www.nostalgickitscentral.com/allied/products/knight_radio.html

There is a list of the kits as well as photos of most of them too.

73 and good DXing, Ed Stroh - K9EGS

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



NASWA Electronic 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. 

Publisher's Corner

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We made it through the first month!

Kudos to Richard Murphy for his tireless work in setting up and revising the *March Journal*; it took multiple iterations to get things right so everything would print out correctly (for the printed version) and come out decent in the PDF version. We learned quite a bit along the way in the nuances of fonts, Microsoft Word, Microsoft Publisher, and Adobe. We're both hoping April will have been easier to produce!

Watch for your expiration month

Just a reminder that the three or four digits after your name (e.g. 620 or 1120) represent the last month and year of your current membership. You can save your publisher / business manager a bit of work (and a postcard) by renewing a couple months early. Either postal mail or PayPal works for renewing, and I don't necessarily need your label...just your name and any address changes.

If you have an e-mail address please pass it along

If I send out a renewal post card to you, it means I do not have an e-mail address on file -- I'll default to sending expiration reminders via e-mail whenever possible, to save your club the postage. So if you do have an e-mail address please send to me at the hq@naswa.net address.

Welcome new and returning members!

We have had a steady influx of new members to NASWA, or folks who have rejoined after

long absences. Welcome and welcome back! We hope you enjoy your membership. If you're so inclined, draft a short note introducing yourself, your radios, and your interests and send it over to Jerry Alice Lineback, our *Musings* editor.

Another Winter SWL Fest in the books

Late February saw the 33rd (!) Winter SWL Fest, and it was great to meet so many club members and have a few new folks join up on the spot. Many thanks to Ed Mauger for holding down the club fort during the Fest. Make plans now -- the 34th (!!) Fest is planned for February 25-27, 2021.

Our hobby and Covid-19

These are certainly unique times, and many of us became attracted to SWLing to hear news and perspectives from other places. Seeing the pandemic from other places can help us understand the challenges facing other countries and possibly put our own challenges into better context.

Unfortunately the migration of international broadcasters away from shortwave means there are fewer broadcasters offering English language broadcasts. However, China Radio International, the Voice of Turkey, Radio Romania International, Radio Havana Cuba, Radio New Zealand Pacific, Radio Tirana, Radio Exterior España RAE, Radio Prague, and Radio Slovakia International (those latter four via WRMI) come immediately to mind as broadcasters who would be worth a listen and should be relatively easy to hear in North America. The BBC is still on

shortwave but tougher to hear in North America

Meanwhile, broadcasters such as the CBC, Australia's ABC, the BBC, Radio New Zealand, Radio Japan, Radio Taiwan International, and KBS World Radio all offer substantial Internet-accessible radio programming with roots in shortwave that you can listen to, in some instances, around the clock in English.

If you have a smartphone or a tablet (like, say, a \$50 Amazon Fire) you're good to go. Those would also be good places to gain perspective and insight.

Here's to another month of good listening / great DX!

Richard Cuff / Publisher – Business Manager



International Broadcasting

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What is Radio Sputnik up to?

If you are looking for something to do while quarantined or sheltering in place, tune in to Radio Sputnik (pronounced Radio SPOOT-nik) and see if you can figure out what they are up to. Radio Sputnik is the successor to Radio Moscow and, later, Voice of Russia. You can't hear it on shortwave anymore. Here in the Washington DC area, we can tune in via a medium wave and low-power FM outlets. And, as reported in my column last month, they have added time on medium wave and associated FM translators in the Kansas City area. Beyond those two metropolises, you will have to listen online at sputniknews.com.

Radio Sputnik does not exactly hide the fact that it is a Russian station. On the hour, there is a brief, slightly rushed announcement that the broadcast time is distributed "on behalf of the federal state unitary agency Rossiya Segodnya," with additional information available "on file at the Department of Justice." (I could just imagine the futility of a phone call to Justice to get access to that information.)

Beyond that hourly disclaimer, during US morning and afternoon drive time, the Radio Sputnik talent consists of Americans to use the pronoun "we" to refer to we Americans. UK talent can be heard during other hours, discussing mainly UK issues.

Also heard at various intervals are brief segments about Russian places and customs. Unlike the old Radio Moscow, the presenters have (rather pleasant) Russian accents. These vignettes are enjoyable listening. They are a reminder, calculated or otherwise, that Radio Sputnik is a Russian station.

White versus black broadcasting

In the nomenclature of international broadcasting, Radio Sputnik is not exactly clandestine, in that it does not completely hide its origin. Radio stations are also categorized as white or black. White broadcasting is upfront about its roots: Radio Moscow was from Moscow, representing the USSR. Black broadcasting pretends to be one thing, but is really something completely different. During World War II, the Germans operated Station DEBUNK, which claimed to

be from the United States. Its wavering signal on 7.2 MHz belied the fact that it really came from Europe, its Star Spangled Banner sign-off notwithstanding.

I believe that Radio Sputnik can be characterized as black. Most of the time, its presenters try to represent themselves as Democrats. Radio Sputnik strongly supported Bernie Sanders during the Democratic primaries. But I suspect that this is not because Radio Sputnik wanted Sander to win in November. Instead, Sputnik was encouraging a Sanders nomination (a realistic possibility for several months) because he would be relatively easy for President Trump to defeat in the election.

This pro-Sanders strategy included dollops of anti-Joe Biden content. Radio Sputnik has hammered on allegations that Biden is in the throes of dementia, even interviewing medical professionals to back up that point. They also covered extensively purported role of Biden and his son Hunter in the "overthrow of Ukraine," i.e. the 2014 revolution that replaced the pro-Russian Viktor Yanukovych with the more EU-oriented Petro Poroshenko, as well as the same "scandals" that Trump and his Republican allies have pushed in their attacks against Biden.

Radio Sputnik also frequently discussed the marginal candidacy of Tulsi Gabbard for the Democratic presidential nomination, while most news outlets ignored it. This would bolster theories that her campaign had Russian connections, and might lead to a third-party run to dilute the anti-Trump vote. On March 19, when Gabbard dropped out of the nomination race and endorsed Biden, the Radio Sputnik presenters could not hide their dismay, and seemed at a loss on how to spin this development.

Radio Sputnik hosts and guests still occasionally discuss the possibility of the third-party candidate. This would probably siphon Democratic voters (just as Green Party candidate Jill Stein did on 2016), increasing the chances for a Trump re-election.

Don't vote in November?

But more often Radio Sputnik is talking about the futility of the American two-party system, and that not voting in November would be a rational choice. Many if not most of Sputnik's US hosts are African-American, so that community is obviously a target audience. If African-Americans do not vote in November, this would reduce the Democratic count, increasing the chance that Trump will be re-elected.

The African-American presenters on Radio Sputnik discuss issues that one would associate with African-American concerns, such as police relations, unemployment and discrimination. But they don't do it nearly as often as, say, Radio One's WOL in Washington DC. Instead, many of their questions to guests are about the intricacies of international affairs, such as Russian and US activities in and relations with Syria, Turkey, Venezuela, Africa, etc. Some of the questions are peculiarly long and detailed, as if they were written by the Sputnik home office rather than coming of the top of the heads of the interviewers.

Radio Sputnik does include some criticism of President Trump. This might be to establish its bona fides of its vaguely Democratic and African-American perspective. Listen carefully, however, and it seems the criticism of Trump is measured, with apparent limits. For example, I've never heard mention of Trump's senior moments, while those of Biden are a major theme. Furthermore, Trump is absolved of blame for negative

developments in the United States, while the truly domestic US progressive radio shows (few in number) are rarely so forgiving.

As you listen to Radio Sputnik, don't try to find a Moscow-generated ulterior motive in every uttered sentence. Much of its content is to accomplish the daunting task of filling time on a 24/7 radio service. (Apropos, you will hear lots of repeated shows.) Many minutes are occupied by unscripted banter, also difficult to choreograph.

But I would be interested how you interpret the content of Radio Sputnik. It certainly is not as wooden as the old Radio Moscow. On

the other hand, much of it can be very boring. If you can overcome the tedium, Radio Sputnik does delve into aspects of international affairs with which Americans should be, but generally are not, familiar.

And, finally, we can be comforted by the facts that Radio Sputnik is not compelling radio, and that it is heard almost nowhere in the United States, except online, where it is lost in the torrent of competing audio streams.

See Kim's projects: <https://twitter.com/kaedotcom> and <http://swradiogram.net>

Shortwave Center

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This month, a news item about the VOA, an editorial supporting the BBC and two views

about what the future of shortwave might be.

SHORTWAVE NEWS

VOA Journalists Fight Claims That It Is Trump Propaganda

By Sara Fischer

AXIOS

Journalists within the Voice of America (VOA) are pushing back on the idea that their reporting could fall prey to political influence by the Trump administration.

Why it matters: Top VOA executives are concerned that alarmist reporting, some from progressive outlets, may have prematurely undermined the credibility of the agency.

Catch up quick: In the wake of Trump's 2017 inauguration, numerous reports suggested that the VOA — a 78-year-old, government-

funded independent, international news agency — would essentially turn into a Trump administration propaganda arm.

Reports that the agency would fall victim to partisan control began to pop up after the Trump administration sent two officials to the VOA to conduct a transition team overview in early 2017.

"Retooled VOA Set to be Trump-run US State Media Network," was the name of one MSNBC segment hosted by Rachel Maddow at the time.

While it's not unusual for administrations to send transition teams into the VOA, there were reservations about the qualifications of

the two officials sent in, according to VOA sources.

Yes, but: VOA Director Amanda Bennett told Axios she's tried to get media outlets to accurately assess the VOA today, without much success. "If you guys act as if we're already propaganda," Bennett said, "then how are you going to respect us or help us if something bad ever does happen to us?"

"At first I was worried like everybody else," VOA senior White House reporter Patsy Widakuswara told Axios. "Then I began to understand that so many things had to be done by the administration during the transition and that we were pretty low down the rung before he (Trump) even looked at the VOA. ... Other than some small concerns, we're not freaked out anymore."

Between the lines: Broader concerns about VOA independence arose after a legal provision changed governance over the agency from a board of non-partisan directors to a CEO selected by the president. That provision passed during the Obama administration.

A CEO has yet to be confirmed. The Trump administration has twice-nominated Michael Pack, but it's been held up in the Senate confirmation processes. Pack is an American documentary film producer and media executive who has received pushback from some Democrats for his ties to Steve Bannon.

The Senate Foreign Relations Committee didn't respond to requests about the status of Pack's confirmation. The White House said it re-nominated Pack last week.

Between the lines: Sources inside the VOA say the agency has been operating as business as usual, without interference from the Trump administration.

"In terms of interference, I haven't experienced any," says Wei Lin, social media editor at the VOA's Mandarin service and a 20-year veteran of the VOA.

"I don't feel any different at all whether it's a Democratic or a Republican administration" says Dong Hyuk Lee, Chief of VOA's Korean Service, and a 14-year veteran of the VOA.

The VOA broadcasts in more than 40 languages and reaches an estimated weekly audience of 280 million.

Yes, but: VOA journalists say that the framing from the media about the role of the VOA can be frustrating, especially from those that don't quite understand the agency's mission.

"It's not a pleasant perception," says Lee. "There's a misinformed perception towards the VOA, but there's no political influence or pressure for that matter."

Sources said there wasn't this level of concern when the Obama administration took office, because the governance rules were different and because President Obama didn't have a reputation for inflammatory press rhetoric.

The big picture: The VOA was established early in 1942 to combat Nazi propaganda with unbiased news and information. Despite a few rare instances, the agency has for decades had a strong reputation for delivering non-biased information to countries abroad, especially ones with autocratic or unstable regimes.

The VOA broadcasts in more than 40 languages and reaches an estimated weekly audience of 280 million. The agency receives over \$234.7 million in annual funding through the U.S. Agency for Global Media, formerly known as the Broadcasting Board of

Governors (BBG). It's governed by a 40+ year-old charter that legally requires the VOA to report "accurate, objective, and comprehensive" news abroad. Sources say that firewall feels very strong within the VOA.

Every source Axios has spoken to at the VOA has mentioned the charter at least once in describing why they feel empowered to report accurately and protecting from political pressure.

"I've never felt any pressure from any administration in my time at the VOA," says Widakuswara. "That's the beauty of the VOA charter. ... Many of us come from places

where there really is government censorship and pressure."

Journalists at the VOA say that they've felt very little attention, let alone animosity from the administration or the president.

Yes, but: One source said VOA journalists can sometimes be conscious of their coverage of Congress, which has continually passed higher budgets supporting the VOA.

The bottom line: "It's fine, nothing has happened. But I can't say that I'm breathing easy," Bennett told Axios. "We've always got to be vigilant for this stuff and all kinds of things still go wrong."

SHORTWAVE OPINION

The Observer View on the BBC: A Force for Good

Observer Editorial

The case for public service broadcasting is as strong as ever – but Boris Johnson wants to undermine this cherished British institution

The BBC's first director general, Lord Reith, believed that one of the purposes of public service broadcasting was to be a unifying force, "making the nation as one man". Almost a century later, and despite many predictions of its demise, the BBC remains an overwhelmingly trusted institution, cherished by the British public.

Last December, 17.1 million sat down to watch the Gavin and Stacey Christmas special, making it the most watched scripted show of the past decade, and well over 90% of the population consumes BBC content every week. Yet against a backdrop of criticisms that the broadcaster has failed to keep pace with evolving lifestyles, it now faces an existential political threat.

Last week, Nicky Morgan, the culture secretary, floated the abolition of the license fee that funds it, from 2027 onwards.

The case for investment in public service broadcasting is as strong today as it was a century ago. From the production of quality news, to the creation of shared cultural anchors, to the fostering of new British creative talent, the BBC has enriched the fabric of our cultural life over the decades, and through its reporting has helped to speak truth to power. Watched and admired around the globe – BBC One was rated highest for quality in an international survey of 66 television channels – it is an important source of soft power on the world stage.

Its detractors argue that state-subsidized broadcasting simply crowds out other players that would flourish in a free market. That is wrong on many levels. Some of the BBC's most important output, including much of its news reporting, children's programming and local radio, would not be replicated by

the free market, particularly at a time when advertising revenue is shrinking. The BBC's public service mission positively influences what gets produced by the rest of the market and economic research shows that public service broadcasting boosts commercial production.

Yet the BBC's great strength – its freedom to produce content that is not dictated purely by market forces – is also inevitably a weakness. It can use that freedom to create market-shaping programming ahead of its time, but it also lacks the short-term market pressure to evolve.

Ofcom has warned that the BBC risks a "lost generation" unless it can retain and engage younger viewers, who are consuming a shrinking amount of BBC content as they turn to streaming services on mobile devices. But it is struggling to do so. While it has, for example, secured changes that allow it to keep programs on the iPlayer for longer and launched the BBC Sounds app to showcase more audio content aimed at younger viewers, it is far from certain whether this is enough to secure its long-term sustainability.

But the most immediate threat is undoubtedly political. Boris Johnson has fashioned his attacks on the BBC out of two strands of Conservative ideology. The first is the free market ideology of the right. But added to the mix is the toxic populism that Johnson has embraced in his campaign for No 10. Attacks on the BBC fit neatly into the narrative that he is championing the interests of the people in the face of a corrupt elite and they have been amplified by the Brexit-supporting parts of the press that would stand to gain commercially from the BBC's demise.

And so, in the wake of David Cameron's 2015 decision to force the BBC to take on the cost

of free TV licenses for the over-75s – or scrap them itself – Johnson has launched a rushed consultation on decriminalizing non-payment of the license fee. This would cost the BBC an estimated £200m in revenue on top of cuts already made.

There are arguments in favor – criminalization is a more punitive sanction than for non-payment of household bills, although it is worth noting that prosecution for non-payment cannot itself result in a criminal record or imprisonment. But decriminalization would need to happen in the context of more widespread reform to secure the BBC's financial future, rather than as a backdoor attempt to undermine public service broadcasting.

In the face of these political threats, the BBC has not always helped itself. Its news coverage has come in for a significant amount of unfair criticism in recent years, even as levels of public trust in its reporting remain high. An organization as large as the BBC is bound to make mistakes that, under the spotlight of intense scrutiny, feed into conspiracy theories about intentional bias from all sides.

But the defensiveness of its executives in response to good-faith critique of its editorial decisions has the unfortunate effect of further fuelling attacks rather than shutting them down.

Ofcom has repeatedly highlighted that the BBC is not doing well enough on diversity and there is a lack of transparency about the way in which it deals with complaints; these issues were highlighted in high-profile failings last year, including the manner in which the BBC chose to defend itself against Samira Ahmed's successful equal pay claim and its poor handling of a viewer complaint about impartiality in relation to Naga

Munchetty's discussion of her experiences of racism.

Last month, BBC News announced the bizarre decision to scrap Victoria Derbyshire's show and to reduce the resources available for original investigative reporting for programs such as Newsnight despite the fact that these aspects of news coverage have some of the biggest public-interest benefit.

But although the BBC is far from perfect, it is a hugely important cultural institution that helps hold the political establishment to account. Johnson has a clear agenda in undermining it. It has never been more important to defend it in the face of these attacks.

SHORTWAVE DRM

What Is Replacing Shortwave?

A joint effort is necessary to bring the digitization of radio to a successful end.

By Ruxandra Obreja

Radio World

The author is chairman of Digital Radio Mondiale.

Analog shortwave will celebrate about 100 years of existence in 2028 when many hope 5G will have been properly defined, tested and applied, though broadcasting is low on its long list of perceived advantages.

It's true that shortwave was typically a medium of the Cold War that peaked in 1989 and that afterward its listenership dwindled. Many international broadcasters gave up on it as the post-war transmitters got rustier and the energy bills kept mounting.

After all, when budget cuts are needed, no transmitter will go on strike or write to the press, as happened when the BBC World Service tried to unsuccessfully close its Hindi shortwave transmissions in 2011. In 2020 these broadcasts stopped, when committed BBC Indian listeners, writers and thinkers who opposed it in 2011 did not protest too much.

The slow death of shortwave has been blamed on the Internet and satellite. As technology and content are inextricably linked, shortwave created its type of content that is no longer favored by the savvy FM listener, Internet user and cellphone obsessed.

What Happened?

First, came the great partnership of international broadcasters with local FM stations. International programs could be suddenly heard in big cities in very good sound quality. The drawback was that the programs were often very short, often scheduled at unreasonable hours.

"Radio should address each and every one in cities and far away rural communities, whether to inform, entertain or alert to emergency situations."

Branding was also an issue for the big international broadcasters now piggybacking on a local station with its own identity. There was also the danger that the local station could object to this partnership for

political or content reasons and drop the international program at very short notice.

In some European cities, international broadcasters have also become local ones as they have gone on DAB multiplexes, more of a prestige move than an audience growing measure.

Most of these international broadcasters are streaming and throwing their lot with another 30,000 or more stations that listeners have to choose from but only if they have electricity, a laptop, an Internet connection and sometimes the patience to cope with buffering.

So, shortwave and its long-range advantage were replaced mainly by the one-to-one sophisticated internet and the cheaper, clearer but very local FM or the DAB+ option in band III, in this way undermining the very essence of their wide coverage and appeal.

At first, it might seem that these are cheaper and more modern options. But, in reality, energy-hungry FM and the multiplexed DAB+ are not that cheap either. Streaming uses an expensive digital electronics setup for something that broadcasting, as one-to-many, can do more cheaply, preserving the anonymity of the user, an advantage that is becoming increasingly relevant in many societies.

New Reality

The greater danger of replacing wide-range coverage with local broadcasting is a different one, though. Radio that should address each and every one in cities and far away rural communities--whether to inform, entertain or alert to emergency situations--becomes patchy and leaves those, who need it most, out of range.

Some international and powerful public and state broadcasters still opt for wide-range coverage, however. One example is China, which might be still pursuing its local digital broadcasting version but to give full coverage on the roads and in the areas between large cities, it has opted for DRM shortwave.

China National Radio broadcasts 80 hours a day from five existing and upgraded sites with seven or eight transmitters sending shortwave DRM to most areas of North China, East China, South China and Southwest China. Russia is also airing DRM in shortwave over huge areas of Siberia.

India has three DRM shortwave transmitters and is looking at increasing this number for national and international reach. There is also interest in Indonesia and renewed questions are coming from Brazil that has been using analog shortwave to cover mainly its Amazonian region.

Vanuatu, a small country in the Pacific, has recently gone for DRM shortwave to save lives in disaster situations by using its integrated emergency warning capability. And a site in the United States has recently started broadcasting in DRM the popular Radio Marti programs toward central and Latin America.

It thus appears as if a few big up and coming countries are rediscovering the value of shortwave radio, unlike much of the Western international broadcasters who dropped it 10 or 20 years ago.

Too Little, Too Late?

DRM was the big hope for shortwave when the excellent engineers with vision first invented it. In its digital variant DRM, shortwave becomes a new modern platform using up-to-the minute coding, which

produces a very clear sound. In effect, DRM shortwave is like FM over very large areas. More than one good audio channel is available and can be accompanied by data and other digital services.

In digital shortwave the energy bill is cut drastically as compared to the analog invoice, and the new transmitters are very efficient. Even the not so old transmitters can be upgraded. Some broadcasters saw these opportunities and went this route while patiently waiting for receivers to become available and affordable.

Now together with the extra shortwave DRM transmission services we are seeing the rise of DRM receiver solutions (with shortwave support as well) from countries like China, India, Germany, the United Kingdom and France.

Some of these solutions are inexpensive and energy-efficient designed to serve a whole

community by using a digital shortwave station receiver disseminating the broadcast via Wi-Fi.

Therefore, today shortwave is positioned differently. While the interest of most Western countries has waned, other parts of the world have stuck with the platform and are adapting it for their own use.

In fact, we are at a point where shortwave may just be ready to turn the corner, especially if digital shortwave can be made available in cars. Surprisingly, electric cars might be better suited to receiving the digital signal than the current cars on the road.

Questions remain though: Is it too little, too late for shortwave? Or is this a new digital platform that we should simply call "digital radio" and that we can confidently and courageously embrace and use?

Can an App Solve the DRM Receiver Problem?

Software solutions developed in South Korea may facilitate listeners' access to Digital Radio Mondiale.

By Hans Johnson

Radio World

The Digital Radio Mondiale standard for digital broadcasting in long, medium, and shortwave bands offers the possibility to transmit audio, text and pictures.

A few broadcasters use DRM for both domestic and international transmissions. DRM's largest problem is lack of receivers, especially affordable standalone ones.

Some listeners use an SDR, computer and free Dream software to receive the DRM signals, but this audience doesn't make up

the mass audience that broadcasters are looking for.

A Few Issues

In addition, the Dream has two serious limitations: It can't receive the latest DRM codec (xHE-AAC) and its current version is unable to receive MOT Slideshow.

Many international broadcasters will not commit to DRM transmissions because of the lack of receivers. There is an effort by some broadcasters to coordinate the purchase of thousands of standalone DRM receivers in the hope that this will jump-start the market

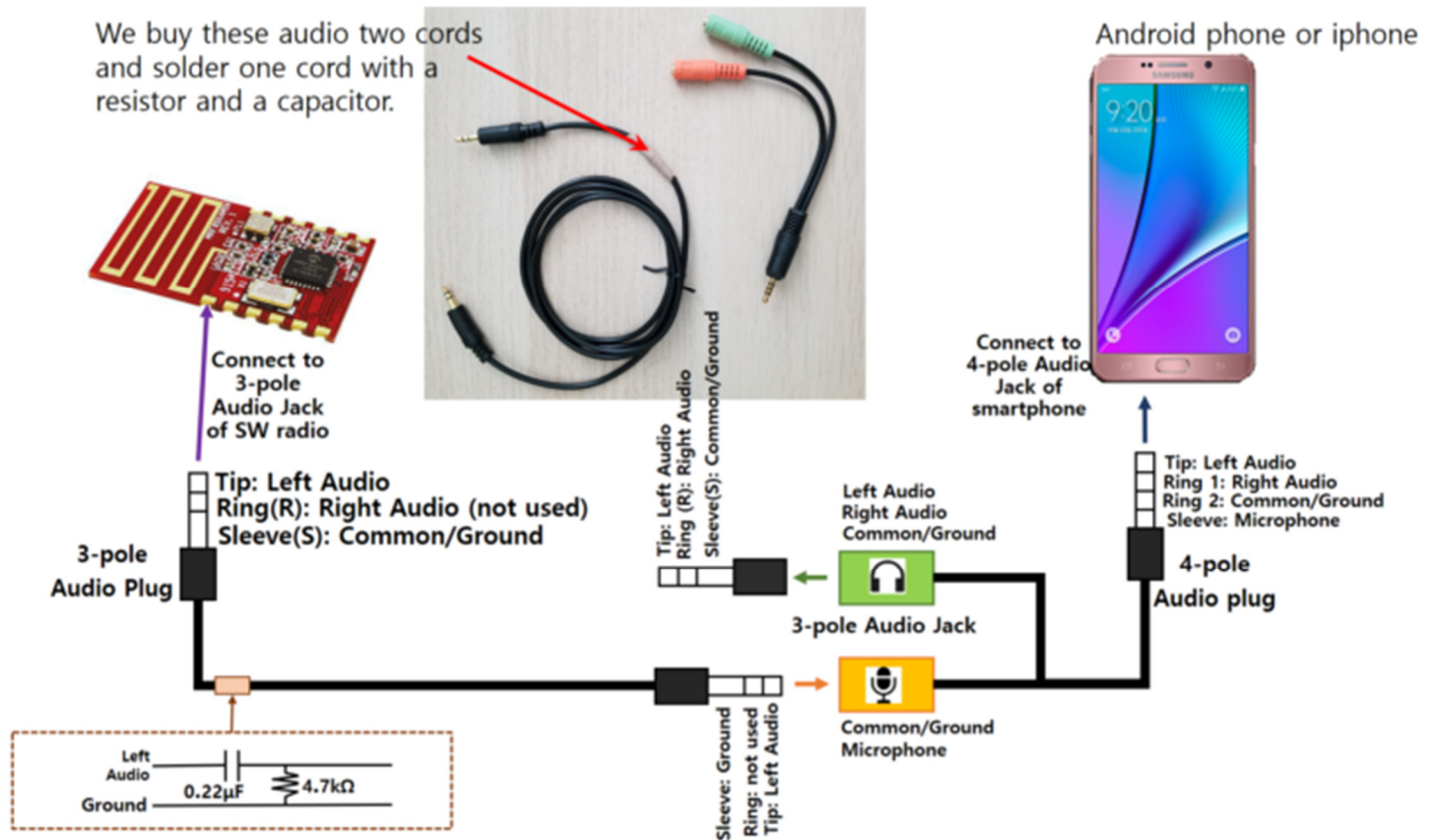
for receivers. This effort is rather capital-intensive, however.

There are millions of Android and Apple smartphones and tablets already in use. What if they included an app that could receive DRM? What if that app could be

SDR to an Android device with a USB OTG adapter.

The diagram shows how the DRM+ app connects to a phone or tablet.

The DRM+ app is compatible with both



coupled to the SDRs already in the hands of listeners?

A South Korean company, AlgorKorea, has developed a series of apps to do just that. AlgorKorea is best known for developing hearing aid firmware, according to Dr. Soon S. Jarng, CTO and founder.

How It Works

AlgorKorea didn't develop the apps with the intention of solving the DRM receiver issue. They developed them to resolve a problem with FM hearing aids used in classrooms.

So how do they work? The DRM+SDR version couples the popular and inexpensive RTL-

Android and Apple devices and couples to the SDR using audio cords. A common and inexpensive resistor/capacitor needs to be soldered into one of the cords.

The app can receive MOT Slideshow, DRM texts and Journaline, a text news/information feed. AlgorKorea says it'll continue to develop DRM apps. "We're working on another new app (an inexpensive SDR dongle) for the Msi SDR Panadapter," added Dr. Jarng.

Apps will play an important role in solving the DRM receiver problem and Algor's offerings appear to be just the beginning.

Hans Johnson has worked in the shortwave broadcasting industry for over 20 years in consulting, frequency management, and sales.

Listener's Notebook

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Times are UTC and frequencies in kHz.

ALASKA Summer A-20 frequency change of WCB KNLS The New Life Station:
0800-0900 NF 11875 Chinese tx#2, ex 11885
0900-1000 NF 11885 Chinese tx#2, ex 11885
1100-1200 NF 9740 Chinese tx#2, ex 9685 (DX Mix-Bulgaria)

ANTARCTICA 15476, LRA36 Radio Nacional Arcangelo San Gabriel - e-QSL 2310, 16-Jan-2020. Reception via web sdr in Brazil and Argentina. Confirmation is received (March 4) only after the repeated sending (March 1) of the report to the new station e-mail: tranalra36@radionacional.gov.ar. (Konstantin Barsenkov-Russia "deneb-radio-dx" via RUSdx #1071 via wwdxc BC-DX TopNews Mar 8)

ARMENIA Good signal of Trans World Radio India in 31mb on March 14:
1315-1420 on 9300 ERV Hindi & Indian langs Mon-Fri
1420-1424 on 9300 ERV English Mon-Fri. Again wrong. A-19 summer time announcement in English px: Mon-Fri 1535-1539 on 9300. (DX Mix-Bulgaria)

Free Iran International TV in 25mb, March 15:
from 0930 on 11570 ERV Farsi, fair (DX Mix-Bulgaria)

AUSTRALIA Shepparton apparently to be destroyed soon. This says that the transmitters have already been scrapped. (Links from Kim Andrew Elliott-DC via Kai Ludiwg-Germany SWSites Feb 15)

Summer A-20 frequency changes of Reach Beyond Australia:
1430-1500 NF 11825 KNX English Daily, ex 1200-1230 on 11875
1130-1200 on 17850 KNX
Dzongkha/Tsangla/Nepali, new in 16mb (DX Mix-Bulgaria)

Summer A-20 shortwave schedule of Reach Beyond Australia in English:
1245-1300 on 11750 KNX English Mon/Wed/Fri
1430-1500 on 11825 KNX English Daily
1515-1530 on 7220 KNX English Mon/Fri (DX Mix-Bulgaria)

5055, Radio 4KZ, was listening from 1102+ on March 1 with news/sports/financial news; much better reception than normal; at times was better than semi-readable. My recording, with a distinctive "Radio 4KZ" ID, which I rarely get to hear. (Ron Howard-CA) 5055, Radio 4KZ, on March 18 noted by 1115 off the air (March 17, noted off the air by 1144). Needs to be checked for possible new earlier closing time? March 19 - Observed Radio 4KZ (5055) going off the air at 1102*, confirming they are closing much earlier than before. (Ron Howard-CA) 5055, Radio 4KZ, on March 18, from 0806+. Well above the norm, with fairly readable reception. Highlights: 0806: List of cancellations: weather and marine conditions; followed by pop songs ("Ain't No Sunshine When She's Gone," etc.) 0823: Spot for great moments in Australian sports history; John Landy was running in the one mile final, back on "11 March 1956" at the

Australian National Championships. During the race Landy stopped running and went back to check on a runner who had fallen down, then he started running again and ended up winning the race, but had given up his chance for a world record time. By 1115, had gone off the air (March 17, noted off the air by 1144). Needs to be checked for possible new earlier closing time? (Ron Howard-CA)

AUSTRIA A20 schedule for Oesterreichischer Rundfunk:

0500-0620 on 6155 MOS German Mon-Fri A-20

0500-0610 on 6155 MOS German Sat/Sun A-20

BOLIVIA 5952.449, 0152-, Emisoras Pio XII Feb 23. Not noticed last night, but he's here tonight, but with only a very weak signal and no usable audio. Presumed due to the frequency. (Salmaniw-BC/DXplorer)

BRAZIL 3365, Radio Cultura de Araraquara. Reports that shortwave would close at the end of January (when the station switched off 790 AM) were incorrect. The station was heard on 13 February at 2020 with a live football commentary and at 2255 with IDs and pop music. (Manuel Mendez-Spain) Has been heard subsequently several times, usually commencing around 2100 with sports programming. (British DX Club)

11780, Radio Nacional da Amazonia verified a Portuguese report with a full data card in 13 days from ouvidoria@ebc.com.br. (Oikawa Kazuaki-Japan/Japan Shortwave Club)

Ref WRTH 2020 – missing R. Aparecida on SW. R. Aparecida on SW was deleted from WRTH 2020. From Anker Petersen I have received information that R. Aparecida is active on 5035/6135/9630/11855. A big thanks to Anker who has monitored R.

Aparecida during the last year. (Tore B Vik/Shortwave Bulletin)

BULGARIA Once again, a brief update on IRRS and NEXUS-IBA global coverage on COVID-19 on behalf of War Room Pandemic, now with daily broadcasts on Shortwave and Medium Waves to Europe, the Middle East, Asia/Pacific and Africa. Effective today, March 9, 2020, we moved our 1800-1900 daily slot to 7295 (previously on 7290), to avoid slight interference from CRI in some parts of Europe. Reception this broadcast is also being reported as far away as Asia/Pacific and the Americas. Here are our updated (daily) coverage of COVID-19 on behalf of War Room Pandemic with Steve K. Banner as of March 9, 2020:

9640 at 1400-1500

11990 at 1500-1600 (Afan Oromo)

7295 at 1800-2000

9660 at 2000-2100

Lastly, may I remind you that our new IRRS coronavirus eQSL "Stay safe, stay home: Listen to Shortwave" is available for all broadcasts mentioned in our frequency schedule. Please email your reports only to reports@nexus.org (no snail mail address is available). We usually reply within 24 hrs or less. Additional coverage on the coronavirus epidemic is provided in our hourly news bulletins and feature programs also available in simulcast and 24/7 on Internet Radio NEXUS (IRN) at <https://nexus.org/mp3>. (Ron, Tech Support NEXUS-Int'l Broadcasting Association)

Summer A-20 of IRRS Special Coronavirus program:

1400-1500 on 9640 SCB English

1500-1600 on 11990 SCB Afan Oromo

2000-2100 on 9660 SCB English (DX Mix-Bulgaria)

9400, 1602-, Overcomer Feb 23. What a difference a day makes. Yesterday morning was terrible for Europe, but this morning, 9400 is very strong with BS. An interesting

tidbit. BS mentions that he had mentioned that he considered pulling the plug, and no one responded! Ouch, must hurt! It's a current program, as he talks about Thursday April 16th (Passover). Then gives the 1-843-701-5053 phone number for questions, comments, or prayer requests. Call now, won't you. (Salmaniw-BC/DXplorer)

BRAZIL 6180, Rádio Nacional Amazônia at 0000 in Portuguese, announcements including introduction to news "Nacional Informe". Good, also on 11780 good, Mar. 7. (Harold Sellers-BC/DXplorer)

10000, Time Signal Station Observatorio Nacional, Rio de Janeiro, 1014-1018 on Feb 14, time signals, female voice announcements: "Observatorio Nacional, 7 horas 14 minutos, 30 segundos...". 24322. (Manuel Mendez-Spain hcdx)

CANADA 6070, CFRX Toronto at 1328 with ads, including real estate board and a lottery, 1330 weather and report on COVID-19. Poor, Mar. 1. (Harold Sellers-BC/DXplorer)

CHINA 4940, Voice of Strait, *0939-0955, Feb 16 (Sunday). The weekend only show in English ("Focus on China") with program called "Selfie," produced by China Plus; suddenly on and already in progress; telling the life story of Chinese painter Qi Baishi; promo for "Studio+"; ID - "Fresh, dynamic, professional, profound, explore Chinese culture... You are now listening to Focus on China"; 0955, into Chinese program; fairly readable; not // VOS on 4900. (Ron Howard-CA)

4940, 1455-, Voice of the Strait Feb 22. Excellent reception of English program, Focus on China until 1455, then without any sign off, immediately into Chinese. (Salmaniw-BC/DXplorer)

7210, PBS Yunnan, *1035-1100, Feb 19. Before PBS started, was only hearing Sound of Hope in the clear (// 6215); suddenly on with soothing IS of EZL instrumental western music till 1100 start of programming; fair reception of IS was very much blocking SOH reception. (Ron Howard-CA)

15180, 0132-, Feb 24. Perfect copy of DRM labeled on DReaM as follows: 14.56 kbps UEP (20.7%) aac Mono. Chinese characters. Chinese (Mandarin) News ID:2 Quality is not a lot different from a good analogue signal, though. Located in the south of China, but aimed basically in our direction. Daylight path, all the way. // to DRM 17770 at lower bit rate of 11.64 kbps in Mono, but still sounding better. Transmitter site is Donfang (Hainan) with 30 kW at 16 deg. This is an island off of Vietnam with the transmitter on the west side of the island. Also a relatively favourable path our way. 13825 is also heard with good copy from Beijing with 30 deg at 175 deg. Near 100% copy at same lower bit rate of 11.64 kbps. And yet another DRM transmission at 100% decode on 11695 at 14.56 kbps. Good audio also from Dongfang (Hainan) with 30 kW at 41 degrees. Let's keep going. Now 9420. Something terribly wrong with this transmitter. It's choppy, as if there's 2 feeds. Listed as Qiqihar with 30 kW at 203 deg. That's NW of Harbin, China. So must be off the back end of the antenna. This one is listed in Stereo at 14.56 kbps. That's a lot! I can also see Radio Marti on 7345 but never strong enough to decode (there's a powerful Chinese on 7350 which also spoils any chance of decode). (Salmaniw-BC/DXplorer)

CHINA (Tibet) 4905, 6130, 7385. China Tibet Broadcasting Station. Another QSL card was received from China Tibet Broadcasting from China for the report dated December 10, 2019, time: 1600-1640. The letter was sent on January 15, 2020. They also put a beautiful postcard in an envelope - Potala Palace - the royal palace in Lhasa. Additional

details Transmission language. English reports sent by e-mail: 925403176@qq.com, holytibetprogram@163.com, newvtibet@yahoo.com.cn, yinglian@cri.com.cn, yw@vtibet.com, xzzbs2013@163.com, yinglian@cri.com.cn, aboutcri@cri.com.cn, crieng@cri.com.cn. Answer received March 4, 2020. (Dmitry Elagin-Russia deneb-radio-dx via RUSdx #1071 via wwdxc BC-DX TopNews Mar 8)

7385, China Tibet Broadcasting Station. Holy Tibet programme in English. Standard text email acknowledging receipt of my reception report and promising a QSL card. Received in 21 days for a report in English to holytibetprogram@163.com. Street address: "Holy Tibet" English service, No. 41 Beijing Middle Road, Tibet Broadcasting Station, Lhasa, Tibet, China 850000, East Asia. Holy Tibet is broadcasted to you every day from 0000-0100 local BT [1600], 1500-1600 local Beijing Time [0700] at short wave on 4905, 4920, 6110, 6130, 6200, 9580, 7255, 7385, 9490. Holy Tibet, China Tibet Broadcasting Station, English service, no. 41 Beijing Middle Road, Lhasa 850000, Tibet, China. Please note that there is maintenance break in summer, but the dates change from year to year. (Dr. Hansjoerg Biener-D, via wwdxc BC-DX TopNews March 14)

CLANDESTINE Updated SW schedule of BRB Denge Welat:
0330-0600 on 7350 ISS Kurdish
0600-1500 on 11530 KCH Kurdish
1500-1600 on 11530 ISS Kurdish
1600-2200 on 9525 ISS Kurdish. Other registered in B-19 HFCC frequencies are inactive:
7360/7455/9550/11540/13710/13730/15170/15175/17860/17870 (DX Mix-Bulgaria)
Beware of this Turkish jamming when IDing Denge Welat, it takes the form of Turkish military music and Erdogan speeches and can sometimes completely obliterate Denge Welat. (Dave Kenny-UK/British DX Club)

Very good signal of Eye Radio via TDF Issoudun on March 11:
1600-1700 on 15410 Juba Arabic/English* Mon-Fri
* including other local languages: Dinka; Nuer; Shilluk; Bari; Zande; Lutoho (DX Mix-Bulgaria)

Reception of Voice of Oromo Liberation via MBR Nauen on March 18:
1700-1800 on 9610 NAU Afan Oromo Wed, very good signal
1700-1800 on 15420 NAU Afan Oromo Wed from April 1, and
1700-1730 on 15420 NAU Afan Oromo Fri/Sun from March 29 (DX Mix-Bulgaria)

Reception of Dimtse Radio Erena in 31mb via SPL Secretbrod, March 9:
1700-1800 on 9720 SCB Tigrinya/Arabic Mon, very good signal (DX Mix-Bulgaria)

Manara Radio International via TDF Issoudun, March 11:
0700-0800 on 13710 Hausa, good signal (DX Mix-Bulgaria)

Again no signal of Voice of Eritrean Lowland League via MBR Issoudun on March 7:
1700-1730 on 11875 ISS Arabic Sat is deleted (DX Mix-Bulgaria)

Frequency changes of Voice of Tibet on March 12:
1230-1235 on 9899 DB Tibetan unchanged
1235-1241 NF 9894 DB Tibetan, ex 9884
1241-1305 NF 9886 DB Tibetan, ex 9894
1305-1311 NF 9876 DB Tibetan, ex 9884
1311-1335 NF 9894 DB Tibetan, ex 9896
1330-1400 on 9806 DB Tibetan unchanged
1335-1341 NF 9886 DB Tibetan, ex 9876
1341-1400 on 9876 DB Tibetan unchanged (DX Mix-Bulgaria)

Summer A-20 changes of Radio Ndarason International RNI:
0500-0600 on 5960 ASC Kanuri same in A-19
0600-0700 NF 7425 SMG Kanuri, ex 7415 ASC

0700-0800 on 12050 WOF Kanuri, ex same ASC
1800-1900 on 9775 WOF Kanuri same in A-19
1900-2100 on 12050 WOF Kanuri same in A-19 (DX Mix-Bulgaria)

Some changes of Radio Free North Korea via RRTM Tashkent:

1300-1400 on 7590 Korean, x 1200-1430 on same
2100-2130 NF 7535 Korean, x 1900-2130 on 7550* (DX Mix-Bulgaria)

Frequency changes of JSR Shiokaze Sea Breeze, March 14:

1300-1400 NF 6085 YAM, ex 6145 // freq. at same time NF 7345 YAM, ex 7245 as follows:

1300-1330 Japanese Mon/Tue/Sat/Sun; Korean Wed/Fri; English Thu

1330-1400 Korean Wed/Fri/Sat/Sun; Japanese Mon/Tue; English Thu

1600-1700 NF 6095 YAM, ex 5955 // freq. at same time NF 7325 YAM, ex 6020 as follows:

1600-1630 Japanese Mon/Tue/Sat/Sun; Korean Wed/Fri; English Thu

1630-1700 Korean Wed/Fri/Sat/Sun; Japanese Mon/Tue; English Thu (DX Mix-Bulgaria)

Summer A-20 frequency changes of Nippon no Kaze & Furusato no Kaze

Nippon no Kaze

1300-1330 NF 11875 TAC Korean, ex 9965 HBN T8WH Angel 5

1500-1530 NF 11995 TAC Korean, ex 9975 HBN T8WH Angel 5

1530-1600 NF 11995 TAC Korean, ex 9965 HBN T8WH Angel 5

Furusato no Kaze

1330-1400 NF 11875 TAC Japanese, ex 9965 HBN T8WH Angel 5

1430-1500 NF 11995 TAC Japanese, ex 9960 HBN T8WH Angel 5

1600-1630 NF 11910 TAC Japanese, ex 9960 HBN T8WH Angel 5 (DX Mix-Bulgaria)

7590, Free North Korea Radio via Tashkent, tuned in at 1301, March 16. This station is

funded in part by a grant from the American National Endowment for Democracy. So is the actual schedule 7535, from 2000 to 2100 and 7590, from 1300 to 1400. Thanks very much to Komatsubara Hiroyuki: "Free North Korean Broadcasting is a program that is made with the wisdom and passion of North Korean defectors living in South Korea. Free North Korea broadcasts from 1 hour a day to 2 hours a day starting March 1, 2020, and is being sponsored by Defense Forum, led by Mrs. Schötzholti. (Ron Howard-CA)

15400, Radio Tamazuj verified an electronic report with a full data card in 135 days from rradiotamazuj@gmail.com. (Suzuki Shinichi-Japan/Japan Shortwave Club)

COLOMBIA 6010, La Voz de tu Conciencia, Puerto Lleras, 0448-0528 on March 10, transmitting Alcaravan Radio program, Latin American songs, llaneras, cumbias, identification "Continue con nosotros, Alcaravan Radio", "5910 onda corta, Alcaravan Radio". (Manuel Mendez-Spain/TopNews)

CONGO. 6115, Radio Congo, *0540, on Feb 15. *0545, on Feb 17. Heard under a much stronger signal from Japan. (Ron Howard-CA) 6115, Radio Congo, Brazzaville, at 1740-1826* on Feb 12, French, male, female, comments. 13321. (Manuel Mendez-Spain hcdx)

CONGO (Dem Rep) 6210.2, Radio Kahuzi, Bukavu, at 1742-1758* on Feb 12, comments, religious songs. Very weak. 15311. Also at 1718-1723* on Feb 13, Vernacular, comments. Transmission cut off abruptly at 1720. (Manuel Mendez-Spain hcdx)

DENMARK Radio 208 plays a selection of progressive, classic rock tracks from the period 1964-1984. The station has no announcers/DJs but news on top of the hour (in Danish) is due to be introduced later.

Radio 208 first went to air in January 2018 from Denmark as a web radio station as from December 2019 also a medium wave 1440 in the larger Copenhagen area. Soon audible on 5800 across parts of Europe. The station name originates from the wavelength of 208 metres which is the same as the frequency 1440 (Via radio 208 website) Is this the follow up to WMR? Editor/Station owner Stig says hopes to be on SW in a few weeks time! (New Zealand DX Times).

ENGLAND Summer A-20 frequency change of KBS World Radio via ENC-DMS Woofferton: 2000-2100 NF 6090 Arabic, ex 6145 DHA (DX Mix-Bulgaria)

ERITREA 7140, 13.02.20, 1638-1650, Voice of the Broad Masses of Eritrea, Asmara, VV: East African songs+TK. QRM from HAMs. 32432. (Manuel Méndez-Spain/DX Fanzine) 7140, 24.02.20, 1740-1805, Voice of the Broad Masses of Eritrea, Asmara, VV: TK. Ham QRM. 22432. (Manuel Méndez-Spain/DX Fanzine) 7140, Voice of Broad Masses, Asmara, at 0520-0534 on March 10, East African songs, Vernacular, comments. 24322. (Manuel Mendez-Spain/TopNews)

7180, 24.02.20, 1650-1657, Voice of the Broad Masses of Eritrea, Asmara, VV: TK. 21421. (Manuel Méndez-Spain/DX Fanzine)

ESWATINI (Swaziland) 9500, Trans World Radio, F/D e-QSL in 3 days for e-report to: lstavrop@twr.org. (Jürgen Waga-Germany/DX Fanzine)

FRANCE Summer A-20 frequency changes of Radio France International:
0500-0600 NF 7390 ISS French, ex 13695
0600-0630 NF 9805 ISS Hausa, ex 9840
0700-0730 NF 13740 ISS Hausa, ex 13680
1200-1300 NF 15300 ISS French till Aug.29, ex 15515
1200-1300 NF 17620 ISS French from Aug.30, ex 15515

1600-1700 NF 15300 ISS Hausa, ex 13690/15670 (DX Mix-Bulgaria)

Summer A-20 changes of TDA Telediffusion d'Algerie via Issoudun:
0500-0559 NF 7295 Arabic Holy Quran px, ex 9535
2100-2159 NF 5940 Arabic Holy Quran px, ex 9655 (DX Mix-Bulgaria)

On 25 Feb 2020, the Bulgarian short wave expert Ivo Ivanov noted the absence of Radio Sawtu Linjilia [sic] via MBR Issoudun. I can confirm that I did not find a trace of the transmission on 3 March. The Fulani programmes started in 1966 on the Radio Voice of the Gospel, operated by the Lutheran World Federation in Ethiopia from 1963 to 1977. The production center was in Ngaoundere (Cameroon), which some years ago celebrated 50 years of service. Back then, this Protestant short wave station operated on in innovative decentralised production concept: All programmes were to be produced by churches or church federations in the target areas. The only exception was, for obvious reasons, the People's Republic of China. Decentralised production made it possible to continue working in many regions when the short wave station was nationalised by the Mengistu regime. The local studios carried on by producing programmes for cassettes or in some cases state broadcasters in their countries. The broadcasts in KiSwahili and Malagasy (2003-2012 via Talanta Volonondry Madagascar) continued via TWR Swaziland. Fulani, which had been broadcast on the Radio Voice of the Gospel from 1966, came back onto short wave via Radio Africa No. 1 (1982-1985 only) under the umbrella of a Joint Christian Service in West Africa of Lutheran and other Protestant (main line) churches. In 2008, the Fulani broadcasts returned via Wertachtal (Germany). They were later put on the Issoudun site (France). (Dr. Hansjoerg Biener-Germany/TopNews, March 3)

15215, 1643-, Radio Oomrang Feb 21 At 1600 sign-on, just barely audible, but now at fair level with a S3 to S4 signal (with an extremely low noise floor, this is OK), in presumed Low German. The planned DRM transmission should be interesting! Thank goodness that the DRM transmission was not scheduled for Saturday. The MUF today is pitiful. Whereas 9400 provided good reception yesterday, today it's all but inaudible at 1500, for example. (Salmaniw-BC/DXplorer)

GERMANY Reception of HCJB Voice of The Andes via MBR Nauen, March 14:
1529-1629 on 9500 Russian/Chechen Sat, very good (DX Mix-Bulgaria)

Reception of DWD Deutscher Wetterdienst in 49mb on March 6:
0600-0630 on 5905 PIN German AM mode, fair
0600-0630 on 6180 PIN German AM mode, good (DX Mix-Bulgaria)

The Voices of IBC (Italian Broadcasting Corporation) are back on ShortWave Radio 3975 and 6160! As from 15th February 2020 a new programme in Italian "Scorribande" hosted by the three voices of IBC (Saverio, Manlio and Gabriele), is being carried over the air throughout the 1 kW transmitters of Shortwave Radio as follows. On Saturdays 2200-2300 on 3975; On Sundays 0900-1000 on 3975 and 6160; On Mondays 1000-1100 on 3975 and 6160; 1600-1700 on 3975; 2100-2200 on 3975. On Wednesdays 1300-1400 on 3975 and 6160. The contents remain the same: DX news from the world of radio for both shortwave listeners and HAMS. Reception reports welcome and verified! Our e-mail address: scorribande@shortwaveradio.de. (DX Fanzine)

Radio Northern Europe International: I would like to share something very exciting

that I've been working on since May 2019, Radio Northern Europe International. RNEI will be the station for pop and dance music from Northern Europe on shortwave playing music from Norway, Sweden, Denmark, Iceland, Finland, the UK and Ireland! I aim to play music you haven't heard before. My shows will mainly consist of lesser known music with a small amount of speaking and jingles. The first pilot show will go out on 6070 Channel 292 from Germany at the following times: February Saturdays 1900-1930 (Starting Saturday 15th). I'm also in talks with shortwaveradio.de so there is a possibility of using 3975 & 6160 as well. I will respond to all reception reports sent in and, if I get enough, I'll try and get postcards made to send out. I really hope you all get a chance to listen in and that you get decent reception! until next time, spread the love. (New Zealand DX Times)

6070, 1900, Radio Northern Europe Int, poor with music via Rohrbach 21/2 and "The Ghoul" poor/fair in EE via Rohrbach 22/2. (John Durham-New Zealand/New Zealand DX Times)

GUAM 7360, QSL AWR Voice of Hope. After a one-year break in correspondence, a QSL card was received from the Voice of Hope from Tula for a report dated Feb 7, 2020. (Dmitry Elagin, Saratov-Russia deneb-radio-dx via RUSdx #1070 via wwdxc BC-DX TopNews Mar 1)

GUATEMALA 4055, Radio Verdad, F/D e-QSL e-Calendar, e-sticker and e-banner in 24 hours. E-mail: radioverdad5@yahoo.com. V/S: Edgar Amilcar Madrid, General manager and Director. (Jara Sedlar-Czech Republic/DX Fanzine)

HFCC A20 CONFERENCE The A20 Global Shortwave Coordination Conference was held in Kuala Lumpur, Malaysia from 24-28 February. The conference provided an important forum to resolve or minimise

instances of mutual interference among shortwave transmissions for the Summer (A20) season. Delegates from short wave broadcasters and frequency management organisations had a valuable opportunity to coordinate their frequencies directly with the frequency managers of other broadcasters in this regard. The A20 season runs from 29 March to 25 October 2020. Thirty-one frequency managers from 18 countries representing 21 frequency management organisations took part in the week-long conference. The ABU is the host for the A20 Conference which is jointly organised by the High Frequency Coordination Conference (HFCC), the Asia Pacific Broadcasting Union (ABU) and the Arab States Broadcasting Union. (ASBU via MET/British DX Club)

INDIA Bengaluru Office of TWR India replied my S-mail reception report by E-mail after 34 days. Their S-mail address: Trans World Radio - India, No. 215, Chikka Gangappa Layout Hennuru Cross Road, Post, Kalyan Nagar, Bengaluru, Karnataka 560043, India, South Asia. Their E-mail address: english@radio882.com. (Takahito Akabayashi-Japan, via wwdxc BC-DX TopNews Feb 20)

INDONESIA RRI Jakarta Cimanggis, and Ujung Pandang Borneo island. I wrote to Rahadian Ginging (Technical Director of RRI) who was kind enough to reply as follows: "Thank you very much for your kind attention to RRI. At a moment all transmitter in Cimanggis already stop operation, course all transmitter are old and difficulties to get spare part. So on ward we have plant to change with new transmitter and new technology." (James Watson-Switzerland SWsites Feb 17) Thank you, Mr. Watson for following my suggestion about writing to him. To me he didn't reply. I think he means the high power (nominally 250 kW) transmitter and respective antennae. I tried to ask him about the 10 kW tx brought

from Makassar and its antenna currently installed at Cimanggis Depok, but again no reply. (Mauno Ritola-Finland SWsites Feb 19) Looks like 10 kW on 4750 continues from there. (Mauno Ritola-Finland Feb 17) Maybe they are still transmitting from Makassar on 4750? At least that's what the old offset 4749.95 would suggest. (Mauno Ritola-Finland wwdxc BC-DX TopNews / SWsites Feb 19)

3325, RRI/Voice of Indonesia, Palangkaraya at 1431 in Indonesian, man and woman speakers, pop Into music, 1457:45 announcements then instrumental music to 1500:45, IDs over music, 1501:30 music ended, woman with ID. Good, Feb. 29. (Harold Sellers-BC/DXplorer) 3325, Voice of Indonesia, via Palangkaraya, 1312, March 6. Segment in English "Today In History"; fairly readable item about on this date in 1957, Ghana independence; // 4749.95 (via Cimanggis/Jakarta). A very good day here! (Ron Howard-CA)

ITALY From IRRS & EGR, on the occasion we have released our new QSL card available electronically for all reception reports. Additionally, new broadcasts have been started as of today March 4, 2020 in Oromo language to Ethiopia on 11990 from 1500-1600. You may send your reception report for any of our broadcasts to reports@nexus.org. We will gladly acknowledge all verified reception reports with our new electronic QSL. When requesting our QSL card, please consult our Privacy Policy at <https://nexus.org/privacy> and learn how we process your personal data according to the GDPR. Stay home, stay safe: listen to Shortwave! (Ron at IRRS/EGR) Broadcasting from transmitters in Romania. (RAD)

JAPAN Summer A-20 frequency schedule of NHK World Radio Japan: 0500-0530 NF 7245 SMG English, ex 9860, or alternative

0430-0500 NF 7245 SMG English-new time of transmission

0700-0900 NF 9795 YAM Japanese, ex 13720

1115-1145 NF 17820 DHA Indonesian, ex 9625 HBN

1315-1345 NF 13865 DHA Indonesian, ex 9625 HBN

1400-1430 NF 11830 DHA English, ex 9605 HBN

2030-2100 NF 7425 MDC French (alt.7220), ex 11985 (DX Mix-Bulgaria)

Summer A-20 shortwave schedule of NHK World Radio Japan in French:

0530-0600 on 11730 ISS French Daily

0530-0600 on 13840 MDC French Daily

2030-2100 on 7425 MDC French Daily (DX Mix-Bulgaria)

KOREA (North) 9665, K.C.B.S. at 2010 in Korean with patriotic choir singing. Fair, Mar. 8. (Harold Sellers-BC/DXplorer)

KOREA (South) Frequency change of Voice of Freedom VOF in 49mb:

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)

VOP and VOH, frequencies for Monday (Feb 24): Voice of the People: 3480 (fair) // 3910 (fair) // 3930 (jammed) // 4450 (jammed) // 6520 (jammed) // 6600 (jammed), at 1043. Echo of Hope - VOH: 3985 // 4880 // 5995 // 6245 // 6350 // 9095, all with fair reception (not jammed), at 1038. 5920, Voice of Freedom, at 1042, with the usual good reception; strong N. Korea jamming noise is still up on 6135. (Ron Howard-CA)

KBS Seoul World radio.: Since the beginning of March, some changes will occur in our programs. So, after the news broadcasts from Monday to Friday, there will be no commentary on the 'On the topic of the day' news. On Thursdays, at the conclusion of the

'Seoul Today radio magazine', a new section will be published instead of the Magic World of Korean Tales column. Its conventional name is 'Through the pages of the magazine Koreana'. This quarterly magazine is published by the Korean Press Support Fund and is published in a number of languages, including Russian. In the Sunday Magazine, instead of the heading 'About a bit of everything', the heading 'Living in Korea' will be published twice a month, the presenters of which will talk about various aspects of everyday life in the Land of Morning Freshness. - Sunday magazine. Feb 16. (Rumen Pankov-Bulgaria RUSdx #1069 via wwdxc BC-DX TopNews Feb 23)

6045, Voice of Freedom, from 0753+, on March 18. Just missed their sign on; heard choral National Anthem, followed by singing station jingle - "jinsil-e soli, huimang-e soli, jayu-e soli bangsong!" (Voice of truth, Voice of hope, Voice of Freedom Broadcast); 0800 time pips; first program "Hamkke tteonaneun eum-ag-yeohaeng" (Music Tour Together); the usual fair-good reception; no N. Korea jamming, which is still up on 6135. Thanks for the VOF latest schedule from Amano, as provided to Komatsubara Hiroyuki: 0800-0400 Broadcast for 20 hours. (ex: 1500-2000, 2100-0200, 0300-0800, 0900-1400). (Ron Howard-CA)

MADAGASCAR Summer A-20 frequency changes of KNLS Madagascar World Voice: African Pathways Radio 0300-0400 on 13670 English tx#3, ex 15510 in A-19
KNLS New Life Station 1800-1900 on 9800 Russian tx#2, ex 11885 in A-19
Radio Feda 1900-2000 on 13670 Arabic tx#2, ex 11965 in A-19
Palavra Alegre 2100-2200 on 9765 Portug. tx#3, ex 11965 in A-19

11965, African Pathways Radio at 1959:50 on suddenly with horn fanfare, into English, welcome, ID followed by song by the Soweto

Gospel Choir. Good, Mar. 8. (Harold Sellers-BC/DXplorer)

MEXICO 6185.0, XEPPM. This station is back on the exact frequency again. March 1, at 0601, with choral National Anthem; full ID; various musical selections; cut off at 0615*. (Ron Howard-CA)

MYANMAR 5985, Myanmar Radio sent e-QSL Yagoon, December 27, 2019. (Pavel Ivanov-Russia "deneb-radio-dx" & "open-dx"; RUSdx #1068 via wwdxc BC-DX TopNews Feb 16)

NETHERLANDS 5940, Radio Onda (Borculo relay). Portuguese service. Received QSL in 12 days after e-QSL for report sent to:ondaasbl@hotmail.com. (Jacques Augustin-France/British DX Club)

NEW ZEALAND RNZi Last month, Ken Baird was talking about shortwave coverage to the Pacific Islands. He said: "After the close of Radio Australia, they now only have RNZI, a 100kW Txer running at 50 kW (why?)". Those who follow DX Dialog will have seen a lot of discussion about this issue. However, the final word should go to the man actually responsible for the service. League Member and RNZI head honcho, Adrian Sainsbury responded: "I read the recent comment by Ken Baird about RNZI Pacific broadcasts to the Pacific. It is correct we do run the transmitter at 50 kW some of the day. Early morning transmissions are always at full power and also to PNG at 11. We also have the benefit of our curtain antennas that give us a gain of 10. So even at only 50 kW provides an ERP of 500 kW". (NZDXT Musings from Stu Forsyth NZ DX times direct Feb 15)

PAPUA NEW GUINEA 7325, Wantok Radio Light is on the air again. Feb 14, at 0926 & 0950, had a definite carrier, but never any audio. This of course was before the start of the CRI's strong signal at about 1000, which totally blocks the frequency. Believe they must be running very low power now. In past

years, I often enjoyed their programs before CRI came on. (Ron Howard-CA/SWsites Feb 15)

PAPUA NEW GUINEA (Bougainville) 3325, NBC Bougainville, from 0856+, March 18. Well above the norm, with fairly readable reception. Highlights: 0856: Weather forecast for the next 24 hours. Frequent IDs - "NBC Bougainville, Maus Blong Sankamap" (Voice of the Sunrise). 0901-0920: Speech before parliament, in English, about the Coronavirus/COVID-19 (phone numbers given for communications center, inspections being made at the airport, monitoring all arrivals, Bougainville Emergency Response Team, etc.). 1000: PNG bird call and into the national NBC news in English (all the news was about Coronavirus/COVID-19); Samoa rugby team is now in self-isolation, etc. 1011: "Regional news" in English, also all about Coronavirus/COVID-19 (warning about relying on info via social media, etc.). (Ron Howard-CA)

PHILIPPINES Summer A-20 frequency change of Radio Pilipinas PBS:
1730-1930 NF 9960 PHT Filipino, ex 9910 (DX Mix-Bulgaria)

Summer A-20 frequency changes of Vatican Radio via Tinang:
1230-1315 NF 5965 Chinese Mass Sat, ex 6085
1230-1315 NF 9585 Chinese Mass Sat, ex 9560
2200-2230 NF 9740 Chinese Daily, ex 9580
2315-2340 NF 9740 Vietnamese Daily, ex 9580 (DX Mix-Bulgaria)

ROMANIA Summer A-20 of IRRS Special Coronavirus prgr, updated:
1700-1800 NF 7290 SAF English, ex 7295
1800-1900 on 7290 SAF English, unchanged (DX Mix-Bulgaria)

Summer A-20 frequency changes of Radio Romania International:

0000-0156 NF 6100 GAL Romanian, ex 5980
0200-0256 NF 9700 TIG Spanish, ex 6080
0300-0356 NF 9850 TIG English, ex 6040
0430-0456 NF 7390 TIG Russian DRM, ex 7305
0500-0526 NF 17520 TIG French, off, ex 13750
0630-0656 NF 11970 TIG Arabic, ex 11790
0900-0956 NF 15150 GAL Curierul romanesc Sun, ex 15200
1000-1056 NF 15150 GAL French, 9790
1100-1156 NF 15130 TIG English, ex 13750
2300-2356 NF 11700 TIG Spanish, ex 11990 (DX Mix-Bulgaria)

RUSSIA Fair signal of GTRK Adygeya/Adygeyan Radio March 15: 1900-2000 on 6000 ARM Adygeyan Sun (DX Mix-Bulgaria)

SAO TOME 6080, Voice of America (Pinheira relay). English service. Received e-QSL in 1 day for report sent to qsl@usagm.gov. (Jacques Augustin-France/British DX Club)

SOLOMAN ISLANDS 5020, SIBC, N/D E-mail statement after 5 years and many. Here the full story F/ups. "Received with thanks. SIBC". With only those three words after several follow-ups, the Solomon Island Broadcasting Corporation "verified" my reception report dated back as 13th November 2015. Ironically the e-mail address of Patrick Tibaua, ptibaua@sibc.com.sb, Chief engineer, who sent in the past a number of QSLs, bounced. Not the same for the company e-mail address sibcnews@solomon.com.sb from which the short reply came one day after my last follow up sent on 9th February 2020. Of course, that is not a QSL but as a fellow Italian DXer, Roberto Pavanella, says it's better than nothing. To be honest, QSLs today can't be seen as proof that you really heard a DX station. We know that reception reports quite often in recent years were acknowledged with a QSL without really

verifying that details coincide with the station logbook. For this reason QSL cards today must be seen as a souvenir from a station broadcasting from a remote place rather than the irrefutable proof that you really listened to a radio station. (Antonello Napolitano-Italy/DX Fanzine) 5020, SIBC, from 0933+, March 18. Well above the norm and somewhat readable audio. Highlights: 0941: Lionel Richie and Diana Ross - "Endless Love," etc. Many IDs: "SIBC, the Voice of the Nation." 1026: Commercial announcements (mobile phone service and for cosmetics). 1032: PSA in Pijin about Coronavirus/COVID-19; ad for "super fast fiber optics" and store with "buy one, get one free" offer. 1051: Shipping news in Pijin. 1100-1112: Calliope and news in English (many items about Coronavirus/COVID-19, also China's agreement with the Solomon Islands government to fund all the major sporting facilities for the 2023 Pacific Games to be held in SI, sound bite of Chinese Ambassador to PNG and SI talking about today's agreement. (Ron Howard-CA)

SUDAN 7205, 24.02.20, 1650-1658, Sudan Radio, Al Aitahab, AA: TK. 15321. (Manuel Méndez-Spain/DX Fanzine)

9505, 1740-, Voice of Africa Feb 23 I had no luck hearing Sudan during my last visit to Masset in late December /early January. This morning, reception is very nice with Sudanese music. ID in English at 1742 with frequency (the right one). Modulation is a little on the low side. Beamed to Central Africa. Switched to presumed Hausa at 1800 without any announcements (although sure sounds Arabic to me). Time Pips at 1801:45 (!) and into talk. (Salmaniw-BC/DXplorer)

TAIWAN 9774, Fu Hsing BS (presumed), 0724, March 18. Chatting on the phone in Chinese; // 9410 not heard. (Ron Howard-CA)

TAJIKISTAN 7245, V of Tajik mixed with a Korean language station on 1300, checked also on Kazakh kSDR shown the signals of VoT are also less than the Korean language station. Around 1320 reception in Kazakh Sdr is much better for VoTajik with English program with talks and traditional songs. (Zacharias Liangas-Greece/PlayDX)

THAILAND 9940, Radio Thailand at 1315 with gongs and English ID and intro to programming in Mandarin. Tuned back at 1343:30 and heard another English ID, "This is HSK9, Radio Thailand's World Service, broadcasting from the Public Relations Department in Bangkok.", gongs, ID repeated then into presumed Thai, as listed. Good, but at 1400 the listed English broadcast was inaudible, Mar. 1. (Harold Sellers-BC/DXplorer)

UNITED ARAB EMIRATES 15215, QSL UAE Gaweylon Tibetan Radio Program in 8 days det. card. / eRR. QSL Gaweylon Tibetan Radio Program 15215. Protestant religious program in Tibetan. Full data color QSL-card in English, received in 8 days for e-mail report to: gaweylon@gmail.com. Full mail address: Gaweylon, 26/2-Old Rajpur, P.O.-Rajpur, Dehradun-248009, Uttarakhand, India, South Asia. (Dr. Hansjoerg Biener-D, RUSdx March 1)

USA WMLK (Bethel, PA) USA has been off air since suffering a fire at their transmitter site in March 2017. They have just posted this update below on their Facebook page (their transmitter was being built by Ampegon - it was reported as 45% complete back in June 2018, but was delayed by a US government project taking priority re a WMLK posting in February 2019). "We are grateful to report that the contract for the TX being now built by a newly formed company has been signed. We will have a better time frame on completion in the near future and it will be noted here. Thank you for your support and prayers for this dynamic end time project!

Yahweh Bless! Shalom!" (WMLK Radio on Facebook, 20 Feb) The Ampegon website "about us" section says: "Ampegon Power Electronics AG is a new company founded in the summer of 2019 by the Italian industrial group Arete & Cocchi Technology, which has taken over all strategic assets of Ampegon AG ..." The company also moved its offices and manufacturing premises in Switzerland in Dec 2019. (Alan Pennington-UK, BrDXC-UK newsgroup Feb 20)

A20 frequencies of World's Last Chance Radio via WBCQ-6:

0900-0955 on 9330 Portug.
1000-1255 on 9330 Spanish
1300-1355 on 9330 Spanish
1400-1455 on 13590 English
1500-1855 on 15105 English
1900-1955 on 12080 Spanish
2000-2055 on 9330 English
2100-2255 on 9330 Arabic
2300-2355 on 6195 Arabic
0000-0055 on 9330 English
0100-0255 on 6195 Portug.
0300-0355 on 6195 German
0400-0900 TIME SLOT NO REGISTERED
FREQUENCIES OF WBCQ-6

In the future will be added the following language schedules Chinese at 355 deg to EaAs; French at 075 deg to NoAf & French at 061 deg to France; Korean at 347 deg to NEAs; Hindi at 035 deg to SoAs; Indonesian at 005 deg to SEAs. (DX Mix-Bulgaria)

Summer A-20 frequency changes of WINB Red Lion in Hybrid DRM mode
0700-0830 NF 7315 English Mon-Fri, ex 07-09 on 7325
0830-1100 on 9980 English Mon-Fri, ex 09-11 on same
1100-1700 NF 15750 English Mon-Fri, ex 15120 in A-19 (DX Mix-Bulgaria)

RFA Broadcast Frequency Schedules Effective March 29 - October 25, 2020
Burmese
0030-0130 on 12120 15110 15700

1230-1330 on 7530 9370 11805
 1330-1400 on 7530 11805 12140
 1400-1430 on 7530 11805
 Cantonese
 1400-1500 *FNP
 Khmer
 1230-1330 on 9700 12140
 1430-1500 on 9355 12140
 2230-2330 on 9890 12140
 Korean
 1500-1700 on 9850 9990 11985
 1700-1900 on 9990 11985
 2100-2200 on 9540 11945 11985
 Lao
 0000-0100 on 9940
 1100-1200 on 15195
 Mandarin
 0300-0400 on 11570 11895 11985 17690
 0400-0500 on 11895 13750 17690 21505
 0500-0600 on 11895 17690 21690
 0600-0700 on 11895 13790 17690 17810
 1500-1600 on 9940 11675 13810
 1600-1700 on 7540 11610 13570 13810
 1700-1800 on 9360 9970
 1800-1900 on 9360 9970 11745
 1900-2000 on 9360 9720
 2000-2100 on 6080 9360 9535
 2100-2200 on 7435 9685
 2300-2400 on 9535 9720 15555
 Tibetan
 0100-0200 on 9370 9510 9705 11705 13765
 0200-0300 on 9370 11705 11745 13765 *FNP
 1000-1100 on 13800 15330 *FNP
 1100-1200 on 13580 15265 15470 17640
 1200-1300 on 11570 13580 15470 17690
 17720
 1300-1400 on 11570 13835 15275 15470
 17860
 1500-1600 on 9355 12110 *FNP
 2200-2300 on 7505 9380 *FNP
 2300-2400 on 5965 9555 9875
 Uyghur
 0100-0200 on 9350 9780 9800 11640 11790
 1600-1700 on 9355 9480 11675 15700
 *FPN = Frequency Not Promoted. ("A.J."
 Janitschek, Director Program & Operations
 Support, Radio Free Asia) I asked AJ about
 FPN and he indicated they are "from USAGM

(facilities) but our language service wants to keep the info low key in an attempt to thwart jamming." (RAD)

New updated schedule of The Voice of The
 Report on The Week / VOROW Radio
 International, including 20 min. of news and
 discussion concerning Coronavirus COVID-19
 Pandemic via WRMI & WWCR as follows:
 1300-1400 on 15770 RMI English Thu WRMI-
 09
 2000-2100 on 7780 RMI English Thu WRMI-
 01
 2100-2200 on 7780 RMI English Thu WRMI-
 01
 2200-2300 on 9955 RMI English Thu WRMI-
 03
 0000-0100 on 5950 RMI English Fri WRMI-05
 0000-0100 on 9395 RMI English Fri WRMI-06
 0100-0200 on 7780 RMI English Fri WRMI-01
 0200-0300 on 5850 RMI English Fri WRMI-12
 2100-2200 on 9955 RMI English Fri WRMI-03
 0200-0300 on 5850 RMI English Sat WRMI-12
 2200-2300 on 6115 WCR English Sat WWCR-
 01
 2200-2300 on 9395 RMI English Sat WRMI-06
 0200-0300 on 5850 RMI English Sun WRMI-
 12
 2200-2300 on 7780 RMI English Sun WRMI-
 01
 0200-0300 on 5850 RMI English Mon WRMI-
 12 (DX Mix-Bulgaria)

Summer A-20 frequency change of World
 Harvest Radio International:
 WHRI Angel 1
 0900-1000 NF 9710 English Sun-Fri, ex 12015
 1000-1030 NF 9710 English Sunday, ex 12015
 2100-2200 NF 13785 English Sat till Aug. 29,
 ex 13700
 2100-2200 on 11750 English Sat from Sept. 5
 no change
 WHRI Angel 2
 2000-2100 NF 13785 English Sun till Aug. 30,
 ex 13700
 2000-2100 on 11750 English Sun from Sept.
 6 no change (DX Mix-Bulgaria)

VANUATU Radio Vanuatu VBTC frequency plan effective from 01 March 2020:
1830-0030 on 3945
0000-0700 on 5040
0700-1130 on 3945
1130-1830 on 2485 occasional use only.
(Adrian Sainsbury-New Zealand/New Zealand DX Times)

Radio Vanuatu. As Rob Wagner and I have been noticing recently, RV is still getting adjusted to their new transmitter and experimenting with their schedule. March 1, found 7260 was off the air when checking 0618-0700; whereas yesterday RV was here with an extended broadcast thru 0659*. March 1 (Sunday), did observe RV on 3945, *0700-0959*; long segments of chatting in vernacular; usual religious segments of preaching in vernacular and religious songs; doing fairly well on this frequency. As it was Sunday, Japan was off the air here. From 1000-1005, checked 5040 and 7260 for any sign of RV, but clearly not there. On 2485, tentatively did find RV, from 1037 till cut off at 1059*. The usual religious segments of preaching and religious songs. Language and format sounded right to be RV but didn't catch a positive ID, as I would have liked to hear. (Ron Howard-CA)


2485, Radio Vanuatu again from tune-in at 1006 till the usual 1059:46*, on March 6.

News (no weather heard today) in vernacular; 1028, some type of promo; non-stop religious songs; at 1059, ID and NA till off the air. This frequency has been observed all this month for this one hour broadcast. (Ron Howard-CA)

VATICAN Voice of America VOA via Santa Maria di Galeria on March 11
0530-0630 on 9885 French Mon-Fri, very good (DX Mix-Bulgaria)

FPU Radio Tamazuj via SM di Galeria on March 13:
1459-1557 on 15400 Juba Arabic, fair/good, including
1546-1556 on 15400 English Tue/Fri, fair/good signal (DX Mix-Bulgaria)

VIETNAM 9840, Voice of Vietnam at 2348 in English, man and woman talking about Vietnam but audio muffled, 2353 song, off the air at 2358. Poor-fair, Mar. 6. (Harold Sellers-BC/DXplorer)

Schedules, news and other information about shortwave broadcasting activity can be send 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 April this year, April Fool's Day, falls on Wednesday, April 1, normally associated with some North American comedy broadcasts on shortwave. Another major

collection of dates this month is associated with Palm Sunday on April 5, Passover on April 9, Good Friday on April 10, and Easter on April 12.

Given the coronavirus epidemic and the worldwide economic collapse, this month's column is os unavoidably truncated.

Seasonal static levels on the shortwave bands are now beginning a period of increase that will last through summer.

The full text of the Pirate Act as signed by President Trump is on the internet at:

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

The FCC has still not finalized the means by which they plan to enforce this new law, but the ar funding increase during the federal budget process. to pay for additional enforcement staff

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 newly authorized \$2 million fines have been

assessed by the deadline date for this column in late February.

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.

Captain Morgan Shortwave.-6924.9p 2351 2/23/20 S9. Prgm of mx. (Hauser-OK)

Charleston R. International.- 5090 1919-1939* 2/4/20 good to poor. Prgm of their normal format of oldies rock w/anmts by OM dj. (Serra, Italy)

Damn Skippy.-6925 0022 3/1/20 fair. Prgm of classic rock guitar mx w/SSTV images. (Taylor-WI)

Mystery 21.- 5140 AM 1714-1736* 2/23/20 good. Prgm of mostly disco mx w/anmts by DJ in English. (Serra-Italy)

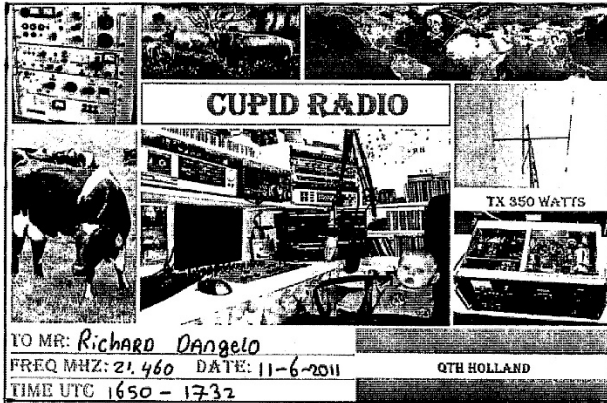
YHWH.-7480 2351 2/23/20 S9. Anti-Christ pirate, somewhat undermodulated today. (Hauser-OK)

NASWA E-group at Groups.io: Join moderator Dan Ferguson, the club's e-mail based E-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 E-group at Groups.io, moderated by Dan Ferguson (k4voa@zerobeat.org), but not interested in registering direct with Groups.io should contact Dan direct by e-mail for further information. Dan can manually add you to the group.



QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787



Hi everyone, we actually have a QSL Column this month!

DENMARK: World Music Radio
 via **Karup** (7 KW transmitter) the station verified with two date/frequency studio cards in 15 years (yea I said years) plus a few days (one was only plus another 13 days while the older reception was plus another 120 days) from verie signer Stig Hartvig Nielsen. I guess after a decade and a half World Music Radio decided to empty out their im

basket while traveling to the European DX Council Conference in Andorra. Fifteen years of waiting makes for perhaps my longest wait time for a reception report without any follow up reports. My World Music cards were postmarked from Andorra. Recently, the station announced it had to close down its shortwave operations because the Danish authorities withdrew permission to use their current out-of-band frequencies of 5,840 kHz and 15,805kHz. (D'Angelo-PA)...I think I got you beat. I received a QSL from a Dominican Republic shortwave station after 20 years. The note from The USPO stated that it slid down between two pieces of furniture and sat there for 20 years according to the postmark. (Sam).

FRANCE: Mini-Transat La Boulangere 13730 via **Issoudun** The station responded to an Email report with a simple email reply from Annabelle Moreau, Assistante direction de course Mini-Transat La Boulangere (annabelle.minird@gmail.com) in about an hour "Hello, thank you very much for your report. The broadcast is temporary as it is just information about the race ...weather information for the competitors and rankings. We have started the day the race started which was October 5th and will finish when the crews arrive in Las Palmas in the Canary Islands. We will start again on new frequencies from November 2nd till the end of November. There is no station, we

just record at the office and send the mp3 file to TDF. I will forward your message who will understand better the technical terms. Regards" (D'Angelo-PA)...Very interesting...sam.

MALAGASY REPUBLIC: Madagascar World Voice 13570 f/d "Lemur" cd. in one month. (Stroh-IL).

USA: Worlds Last Chance Radio
 * 9330 via **WBCO** in **Monticello, Maine**. The station verified my email report to their website (www.worldslastchance.com/) with an electronic fill

Rhein-Main-Radio-Club

Name: Richard D'Angelo
 Date: Saturday 09.06.2012
 Time: 02.34-02.57 UTC
 Frequency: 11900 kHz
 Station: Sitkunai, Lithuania 100kW Power

FUNDAMENTAL BROADCASTING NETWORK



via Barbour

520 Roberts Road
Newport, NC 28570 USA
(252) 223-4600
e-mail: fbn@bmd.ctis.com

A Local Church Ministry

Dear Shortwave Listener,

Thank you for responding to the test broadcast from WBOH on 5920kHz. We are still in the construction stage and do not have QSL cards prepared as yet. Once the station is fully operational, we will plan to have WBOH QSL cards available. In the meantime, let this correspondence serve as your proof of hearing WBOH.

Date: 10-9-02 Time: 1333-1345 UTC Frequency: 5920kHz

Signature: A. Robinson

data reply in one hour. The Logo card featured a transmitter tower on a flat earth in keeping with the station's philosophy. (D'Angelo-PA).

USA (Pirates): Radio Free Ramones
The station verified my email report in 11 ds. from v/s Jeffrey Ross Hyman aka Joey Ramone, who says in his email "Gabba Gabba Hey!"

Thanks for listening to Radio Free Ramones." Web address: radiofreeramones2@gmail.com. (D'Angelo-PA). Radio Diana International 6925 The Station verified my email report to: radio.diana.international@protonmail.com with a full data Princess Diana PDF verification indicating that I heard a special reply of Capital Radio Nite Sky 96 from 1986 from v/s DJ Brian FU. He mentioned in his email cover: "Greetings from the M.V. Peskie. Radio Diana International is a small station that we do from time to time off the boat. We are a new station. The fading that happened was due to the boat rocking and the antenna mast being screwed up. You did hear us. We were playing music from the stations archive and relayed an old Capital Radio Nitesky 96 program from 1988. Very glad you heard us for we did not expect anyone and

The above QSL is from Richard D'Angelo. As you can see my trusty 30 year old typewriter blew up!

Richard A. D'Angelo
2216 Burkey Drive
Wyomissing, PA 19610
U.S.A



16 April 2005

Dear Mr. Richard,

I am happy to confirm the following reception report you have kindly submitted:

date : 2002.04.25
time : 00.56 - 01.23utc
frequency : 11955khz

Program in English language
00.59 The voice of a woman, man and music, (BBC World Service).
22.59 Music and the voice of a man, (BBC World Service)
01.01 The Man announcer mentioned: We will start with the news
01.06 The man give the station identification and time check.
01.15 A man mentioned (you are tuned to the world today).
01.19 The Man announcer gave the headline.

All the above were transmissions from the BBC relay station here at Aseela, Oman.

Details of equipment used follow:

Frequency: 11955kHz
Transmitter Power: 250kW
Modulation Type: AMC
Antenna: HRS2/3/.5 - Bearing 63

Guess I'll have to get another one.

Anyway till next time 73is

Sam

Contributors' Page

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

- | | |
|--|---|
| Jim EVANS, Germantown, TN. | IC-R75, IC7300, Perseus, Random Wire, Wellbrook FLX1530LN Loops (2). |
| Ed CICHOREK-NJ | R75, SW8, MFJ956 Realistic Minimus speaker, SWL 4-50 outdoor wire |
| Mick DELMAGE | Perseus SDR, Icom IC-7300 Ant: Wellbrook ALA 100, KLM 7-30 MHz Log Periodic |
| Rich D'ANGELO French Creek DX'PD | 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. |
| Andre FREDETTE, Oakville, Ontario | JRC NRD 535D, Icom R-75 PAR ES-SWL 65 ft. Antenna, MFJ-959C |
| Eric BUENEMAN, Hazelwood, MO | Sangean ATS-803A, 30-foot longwire |
| Mark TAYLOR, Madison, WI | Perseus, Elad FDM S2, Airspy HF+ & HF + Discovery, Eton E1 and many portables; W6LVP loops, 42 Meters dipole. |
| Pamela PRODAN, Wilton, ME | Eton Field BT |
| Vince HENLEY, Anacortes, WA | WiNRADiO G39DDCe SDR, ICOM IC-R8600, Ten-Tec RX-340, SDRPLAY RSPdx, TECSUN PL-880.
Antennas: whip on PL-880 and Alpha-Delta DX-ltra installed broadside east west at 30 feet for all others. |
| Glenn HAUSER-OK | No equipment listed, |

Please remember to direct all communications about subscriptions, bulletin delivery issues, the use of PayPal as a payment method, etc. to Rich Cuff at the club's new business address P. O. Box 3292, Allentown, PA 18106 or to his e-mail address, hq@naswa.net. Thanks!



Loggings

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

- 2850 **NORTH KOREA KCBS** – Pyongyang (P), 1214, 3/7/20 in Korean. Woman talking at length. Poor with noise blob just above the signal. (Taylor – WI)
- 2940 **COLOMBIA Radio Huellas**, Cali, 0506-0517. Second harmonic of medium wave 1470 HJNT. Ballad music with brief comments in Spanish by a man. Weak signal in heavy noise with minor fading. Usually only a carrier heard (at best), but audio there almost 100% of the time tonight. 1/31/2020 (Evans - TN)
- 3320 **NORTH KOREA Radio Pyongyang** Pangsong – Pyongyang (P), 1211, 3/7/20 in Korean. DPRK style orchestral music, woman announcer into ballad by woman. Poor. (Taylor – WI)
- 3325 **INDONESIA Voice of Indonesia** at 1558 UTC Jan 27 in Chinese with announcement. VoI ID and contact info at 1600:25 UTC followed by Quran and then programming in Arabic. Very Good (Delmage, AB)
- 3325 **INDONESIA Voice of Indonesia** at 1452 UTC Feb 15 in the Indonesian language with pop song "Mimpi" by Modulus Band and "Senyuman & Harapan" by The Overtunes & GAC. Voice of Indonesia ID and contact info at 1458 UTC then into Chinese program at 1501 UTC. Good (Delmage, AB)
- 3475 **OPPOSITION Voice of the People** – Gyongge-do, South Korea, 1217, 3/7/20 in Korean. Woman speaking stridently into more mellow man continuing a while into alternating announcers. DPRK grind jamming audible in background. Fair. // 3930, Poor. (Taylor – WI)
- 3980 **OPPOSITION Echo of Hope** – Suwon Osan, SOUTH KOREA, 1225, 3/7/20 in Korean. Program of Korean pop music with woman announcer. Poor, // 4885, poor. (Taylor – WI)
- 4055 **GUATEMALA Radio Verdad** - Chiquimula, 1112-1139 Feb 10, man announcer with religious talk in the Spanish language followed by morning music program with non-stop religious vocal selections. Poor to fair signal. (D'Angelo-PA/FCDX)
- 4760 **SWAZILAND TWR Africa**, Manzini, 0350-0400. Talk in Shona by a man. Contemporary religious vocal music at 0353. ID at 0359 in English. Announcements in Shona by a woman. TWR English ID at 0400 followed by Nda language program. Moderate signal strength with minor fading. 1/21/2020 (Evans - TN)
- 4765 **CUBA Radio Progreso** 0202-04 basso profundo m Ann & music; poor-fair 2/17 (Prodan-ME)
- 4875 **BRAZIL Radio Difusora Roraima** at 0235 UTC Feb 10 with a string of pop songs "Marcas De Batalhas" by Daniel E Samuel, "Vou Voar" by Family, "Nada Temerei"

by Ana Nobrega, "Pra Te Adorar" (Eu Me Rendo;Ao Vivo) by Jonas Vilar and "B.D.S". By Adagio followed by ID Poor (Delmage, AB)

- 4890 KOREA, SOUTH *Echo of Hope***/Voice of Hope at 1554 UTC Feb 11 with English language lessons now occupying long since used frequency by NBC Papua New Guinea. Very Good signal in the clear // 6350 fair (jammed) // 3985 poor // 5995 fair (jammed) //6255 completely jammed // 9105 fair. (Delmage, AB)
- 4940 CHINA *Voice of the Strait*** – Gutain, 1234, 3/7/20 in Mandarin. Program of contemporary Chinese music with man announcer. Poor. // 4900 also poor. (Taylor – WI)
- 5009 MADAGASCAR *Radio Madagascar*** – Ambohidrano (P), 0305, 3/8/20 in Malagasy. Man announcer, brief music, same announcer talking at some length, local music, same OM. Poor (Taylor – WI)
- 5085 UNITED STATES OF AMERICA *WTWW*** Lebanon, TN – 2/19 0604 noted with ad for an Amateur Radio supply store in Paris, TX in English, “WTWW” jingle into Oldies program; SIO 545. (Bueneman-MO)
- 5085 UNITED STATES *WTWW*** Lebanon, TN 0311-22 music, station ID, taking requests – Rick Nelson “Fools Rush In,” Elvis “Good Luck Charm,” plus “Twilight Time” and “60 Minute Man”; fair-good, fading 2/16 (Prodan-ME)
- 5395 UNITED STATES *WWCR*** Nashville, TN 0057-0100 “World Wide Country Music” signing off with Bob Wills; station ID, then Gene Scott programming; fair 2/18 (Prodan-ME)
- 5850 UNITED STATES *WRMI*** Okeechobee, FL 0207-09 Beatles “Ticket to Ride”; fair 2/17 (Prodan-ME)
- 5875 THAILAND *Radio Thailand*** - Udon, 1117-1129* Feb 11, man announcer speaking in unidentified language with gongs at 1129 followed by English language station ID before seemingly cutting carrier. Tuned back at 1138 and apparently it was an antenna change that severely reduced reception quality at my location. Poor to fair. (D'Angelo-PA/FCDX)
- 5875 UNITED KINGDOM BBC** Arabic 0306-11 m & f discussion & news items; heard “Washington,” “Moscow,” “Iran”; fair-good 2/16 (Prodan-ME)
- 5875 UNITED KINGDOM *BBC*** – Wooferton, 0414, 3/3/14 in Arabic. Woman announcer with “BBC” at end of report at 0415, man with sports report including English sound bites. Fair. (Taylor – WI)
- 5900 BULGARIA *Bible Voice*** 0210-14 music, web address, & off at 0214; fair+ 2/17 (Prodan-ME)
- 5900 BULGARIA *Radio Bible Voice***, Kostinbrod, 0208-0212. Talk in Arabic by a man and a woman. Music at 0211 followed by talk over music. Good signal with minor fading. 1/25/2020 (Evans - TN)
- 5905 OPPOSITION *Echo of Unification*** – Chongjin NORTH KOREA (P), 1238, 3/7/20 in Korean. Man announcer with music. Poor with CRI in Russian under. (Taylor – WI)

- 5910 **ROMANIA Radio Romania Int'l** Romanian 0220-23 talk, f & m Ann; good 2/17 (Prodan-ME)
- 5915 **ZAMBIA Zambia National Broadcasting Corporation** - Lusaka, *0233-0325 Feb 11, long tribal vocals with drums until the Call of the Fish eagle began at 0258. A man announcer came on at 0301 with opening station ID and brief announcements followed by chorus singing QRM. (D'Angelo-PA/FCDX)
- 5920 **UNITED STATES WHRI** Cypress Creek, SC English 0223-26 Christian rock "we are the people of God, yeah!"; good 2/17 (Prodan-ME)
- 5939 **BRAZIL Rádio Voz Missionária** - Florianópolis - Comboriú, 2341-0007 Feb 7, a man announcer preaching in the Portuguese language with station ID at top of the hour blocking hoped for long shot reception of Radio Onda ASBL (the Netherlands). Poor to fair. (D'Angelo-PA/FCDX)
- 5940 **BRASIL Radio Voz Missionaria** Portuguese 0227-52 music/talk; fair 2/17 (Prodan-ME)
- 5950 **FRANCE KBS World** - Issoudun, 2032-2100* Feb 9, a man and woman announcing team hosting the French language program and a pop music program. Nice station ID at close-down before the carrier was terminated. Poor to fair. (D'Angelo-PA/FCDX)
- 5960 **TURKEY Voice of Turkey** at 2300 UTC Feb 9 with time pips and schedule for the English broadcasts. Strong signal but weak modulation. (Delmage, AB)
- 5960 **GERMANY Mighty KBC Radio** 0007-0150 music; very good 2/16 (Prodan-ME)
- 5960 **GERMANY Voice of Turkey** 2346- English news, frequencies, www address, "thank you for listening and good-by"; good 2/29 (Prodan-ME)
- 5975 **CHINA China Radio Int'l** - Beijing, 2203-2214 Feb 9, program consisted of a mix of Mandarin language talks and Chinese instrumental music selections. Fair signal. (D'Angelo-PA/FCDX)
- 5980 **AUSTRIA Adventist World Radio** 0207+ Urdu f Ann; very good; 0230-42 f Ann: "the following program is in Punjabi," talk, choral music, m preacher; fair 2/17 (Prodan-ME)
- 5990 **CUBA China Radio Int'l** Spanish 0003-05 Spanish, program ID; fair-good 2/16 (Prodan-ME)
- 5995 **MALI Radio Mali** at 2315 UTC Jan 26 with joyful children's songs. Announcement in French and abrupt off at 0001 UTC. Very Good (Delmage, AB)
- 5995 **UNITED ARAB EMIRATES BBC** - Dhabayya, 0323-0356 Feb 11, tuned in to a woman announcer speaking in the Arabic language. There was a brief instrumental music interlude Nice station ID at 0355. Poor to fair signal. (D'Angelo-PA/FCDX)
- 5995 **MALI Radio Mali** French 2356-0002 2 m, oddball jingles, "au revoir," & off; fair 2/15 (Prodan-ME)

- 6000 **CUBA Radio Habana Cuba** English 0240-0300 The Jazz Place, then news; good 2/16 (Prodan-ME)
- 6005 **FRANCE Radio Tamazui** - Issoudun, 0330-0429* Feb 10, man announcer with opening station ID followed by talks in the listed Juba Arabic language. A few musical breaks but mainly talk features unit closing. Poor. (D'Angelo-PA/FCDX)
- 6005 **OPPOSITION Radio Tamasuj** - Issoudun, FRANCE (P), Man announcer talk including quick ID, sound bite into more announcer talk with mention of Sudan, 2nd announcer with longer sound bite then back to 1st announcer; QRM from RHC on 6000. Otherwise fair. (Taylor - WI)
- 6015 **ZANZIBAR Zanzibar Broadcasting Corporation** - Dole, 0340-0408 Feb 10, woman announcer with talk followed by some local music. Poor to fair but nice to have clear of Radio Tamazui. (D'Angelo-PA/FCDX)
- 6015 **ZANZIBAR Zanzibar Broadcasting Corporation** - Dole, 0341-0409 Feb 11, talks by a man and woman announcers apparently hosting a public affairs type program with assorted guest speakers. Fair signal. I kept looking for these guys to sign on but apparently I missed it again! (D'Angelo-PA/FCDX)
- 6015 **ZANZIBAR Radio Tanzania** Zanzibar, Dole, 0335-0401. Talk in Swahili by a woman. At 0343 talk by two or more men and a woman, occasionally accompanied by local music and crowd sounds. Time pips and an announcement by a man on the hour, then back to talk. Moderate strength signal with slow fading in heavy noise. 1/30/2020 (Evans - TN)
- 6055 **BULGARIA Overcomer Ministry** - Kostinbrod, 2133-2153 Feb 9, religious English language programming with poor to fair signal. (D'Angelo-PA/FCDX)
- 6080 **SÃO TOMÉ E PRÍNCIPE Voice of America** relay - 2/8 0652 noted with pop music, ID in English, off suddenly at 0659; SIO 333. (Bueneman-MO)
- 6090 **IRAN VOIRI**, 0033, 2-18-20. Man and woman alternately speaking in Spanish. Fair with some flutter. (Cichorek-NJ)
- 6095 **UNITED ARAB EMIRATES BBC**, Al-Dhabbaya, 0403-0409. Talk in Farsi by a man, occasionally joined by a woman. Weak to moderate strength signal with in heavy noise. 1/21/2020 (Evans - TN)
- 6105 **FRANCE NHK Radio Japan**, 0343, 2-6-20. Tuned in to male and female in Japanese with back and forth lively talk, laughter and banter with background music. SINPO 35333 (Cichorek-NJ)
- 6110 **ETHIOPIA Radio Fana** - Addis Ababa, 2042-2102* Feb 9, nice musical program with announcements in Amharic language by man announcer prior to close-down. Poor signal. (D'Angelo-PA/FCDX) 6110, Radio Fana - Addis Ababa, 0415-0433 Feb 10, noted with current affairs type program with poor to fair reception. (D'Angelo-PA/FCDX)
- 6110 **ETHIOPIA Radio Fana** - Geja Dera (P), 0418, 3/3/20 in Amharic. 2 men announcers alternating, news continuity into Horn of Africa music. Poor. (Taylor - WI)

- 6115 **NEW ZEALAND Radio New Zealand Int'l** - Rangitaiki, 1118-1141 Feb 11, man and woman talking about about the Pacific Islands. Nice station ID as "RN Zed" by a man announcer. News by another man at 1130. Poor to fair. (D'Angelo-PA/FCDX)
- 6115 **NEW ZEALAND RNZI** in EE. March 7, 2020, 1520 – 1530. SIO 333. YL and OM announcers, news, and Corona Virus information. Logging industry discussion. Heavy QRN, moderate QSB. Listenable with difficulty. (Henley, WA)
- 6135 **BRAZIL Rádio Aparecida**, Aparecida, 2345-0007 Feb 9, vocal selections and Portuguese language talks. Nice station ID and frequency announcements at 2358. Poor to fair but //11856.4 fair. (D'Angelo-PA/FCDX)
- 6135 **ASCENSION ISLAND BBC** relay – 2/9 0535 noted with commentary in Hausa; SIO 323. (Bueneman-MO)
- 6145 **CHINA CNR 1** in CC. March 7, 2020, 1604 – 1610. SIO 444. Domestic broadcast. OM announcer with pop MX. Good signal. Listed language is Mandarin. Increasing QRN. OM with long monologue, more advertisements. (Henley, WA)
- 6150 **PHILIPPINES BBC World Service** – Tinang, 2226-2259* Feb 10, sports update by a woman announcer followed by "This is the BBC World Service" station ID. Promotional items followed by BBC News at 2230. Fair with some fading. (D'Angelo-PA/FCDX)
- 6155 **CHINA CNR 2** in CC. March 7, 2020, 1531 – 1535. SIO 444. Domestic broadcast. China Business Radio in listed Mandarin. ID at BOH with YL and OM announcers. Good signal. YL announcer with long monologue follows. (Henley, WA)
- 6180 **BRAZIL Radio Nacional Da Amazonia**, 0021, 2-19-20. Tuned in to talk by two women and a male in light conversation with laughter. Good signal, 10-20dB over 9 with slight fading. (Cichorek-NJ)
- 6180 **CUBA China Radio Int'l** via Quivicán – 2/29 0252 noted with commentary in Chinese. SIO 444 over Radio Nacional da Amazônia. (Bueneman-MO)
- 6195 **SINGAPORE BBC**, Kranji, 2351-2358. Talk in English by a man, occasionally joined by a woman. Weak signal with minor fading. Too weak to determine program content details. 1/24/2020 (Evans - TN)
- 6930 **AUSTRIA BBC** – Moosbrunn (P), 0112, 3/3/20 in Pashto. Woman announcer, short interlude of music, same announcer with short sections separated by musical bridges, man announcer, correspondent report. Poor – fair. (Taylor – WI)
- 7220 **CHINA China Radio Int'l** in JJ. March 7, 2020, 1535 – 1542. SIO 555. Excellent signal. YL announcer in JJ with Chinese pop MX, YL vocalist. (Henley, WA)
- 7225 **CHINA China Radio Int'l** – Beijing, 2149-2157* Feb 9, Vocal followed by talk in presumed listed Croatian language followed by Chinese instrumental music until close-down. Poor to fair. (D'Angelo-PA/FCDX)
- 7260 **CHINA China Radio Int'l** – Urumqi, 2213-2257* Feb 9, the Portuguese service but only continuous instrumental music was played until the broadcast carrier was terminated. Fair to good. (D'Angelo-PA/FCDX)

- 7280 **CHINA *China Radio Int'***; GMT 23:17, Jan 31, SIO 222, Vietnamese program, man and woman talking. Fair to poor with fading and Radio Romania in the background in English on the same frequency (Fredette-ON)
- 7280 **TURKEY *Voice of Turkey*** via Emirler – 2/29 0232 noted with traditional Turkish music and commentary in Spanish; SIO 323. (Bueneman-MO)
- 7295 **IRAN *VoIRI*** at 1815 UTC Feb 13 in German with talk and instrumental music like "Tolou" by Naser Cheshm Azar, Abrupt off at 1821:30. Very Good (Delmage, AB)
- 7305 **IRAN VOIRI** 1831 m Ann; very faint 2/16 (Prodan-ME)
- 7305 **UNITED STATES OF AMERICA *Vatican Radio*** via Greenville, NC – 2/9 0153 noted with commentary in Spanish; SIO 434. (Bueneman-MO)
- 7315 **UNITED STATES OF AMERICA *WHRI*** Cypress Creek, SC – 2/29 0305 noted with promo for *Voice of the Martyrs*, "World Harvest Radio" ID, gave snail-mail and Web addresses into Contemporary Christian music in English; SIO 434. (Bueneman-MO)
- 7325 **ROMANIA *Radio Romania Int'l***, GMT 1:33, Feb 17, SIO 444, English program, Romanian pop singer discussion followed by his songs, ID at 1:42. Followed by translation of Romanian to English words Program" Romanian without tears" Essay contest, followed by cooking show on making "gogush". Good signal slight fading. (Fredette-ON)
- 7335 **VATICAN CITY BBC** 1825- m Ann in Somali but some English "... but at the same time ..." off at 1829; poor-fair 2/16 (Prodan-ME)
- 7355 **CHINA *China Radio Int'l*** via Jinhua at 1950 UTC Feb 6 in Portuguese with some very nice songs "Song of Pipa" and "Chinese Twilight". Frequency announcements and off at 1956 UTC. Excellent (Delmage, AB)
- 7375 **ROMANIA R *Romania Intl*** Romanian 1817-1908 music/songs, station IDs; fair, but possible Radio Algerienne Arabic in background 2/16 (Prodan-ME)
- 7395 **CHINA *China Radio Intl*** 1812-17 German, f Ann, excerpt from Chinese song; poor+ 2/16 (Prodan-ME)
- 7445 **UNITED KINGDOM BBC**, 0042, 3-6-20. Man and woman speaking in listed Dari followed by musical segments and more talk. BBC ID by male in Dari at 0059 followed by what sounded like a poetry reading read alternately by man and woman accompanied by soft music. Very tranquil Fair to Good (Cichorek-NJ)
- 7445 **MADAGASCAR BBC** English 1850-55 sports, golf – McElroy, etc, live report from California "just getting started here ... live on the BBC World Service"; fair-good 2/16 (Prodan-ME)
- 7485 **SINGAPORE BBC WS** in EE via Kranji. March 7, 2020, 1543 – 1550. SIO 555. BBC with sports, soccer game reported play by play, OMs sportscasters. Debate about a penalty. Target is ME. Announcer said that the program was "from the Emirates," but it is listed as a relay through Singapore. Perhaps the program material was sourced in the ME. Excellent signal. (Henley, WA)

- 7490 **UNITED STATES WWCR** Nashville, TN 1427-30 "Way of Truth broadcast" then music, "this is WWCR"; excellent 2/15 (Prodan-ME)
- 7570 **UNITED STATES WRMI** Okeechobee FL 0008-10 English "Supreme Master Television," "we ask people to plant organic vegetables"; fair 2/19 (Prodan-ME)
- 9265 **UNITED STATES WINB** Red Lion, PA 1840-45 f & m call-and-response preaching "is God with us?"; fair 2/16 (Prodan-ME)
- 9265 **UNITED STATES OF AMERICA WINB** Red Lion, PA - 2/29 0215 noted with Christian teaching program, ID and snail-mail address in English; SIO 323. (Bueneman-MO)
- 9300 **ARMENIA TWR India**, Gavar, 1336-1339. Talk in Hindi by a man. Hindi music at 1338. Moderate strength signal with minor fading. 2/15/2020 (Evans - TN)
- 9330 **UNITED STATES WBCQ**, Monticello, ME in EE. March 7, 2020, 1551 - 1555. SIO 545. YL announcer with religious message, "World's Last Chance." Listed target is WNA. MX, advertisements, and YL with religious commentary. Moderate QRN. ID at 1555 then off the air. (Henley, WA)
- 9445 **INDIA All India Radio** at 2204 UTC Feb 1 with News in English. General Overseas Service ID at 2210 UTC then commentary. Music program at 2220 UTC with "Meri Chunar Udd Udd Jaye" by Falguni Pathak. Program lineup followed to sign off at 2229 UTC. Test tone at 2243 UTC then Interval Signal and sign on at 2245 UTC. Very Good. (Delmage, AB)
- 9445 **INDIA All India Radio** - Bengaluru, 2130-2246 Feb 9, several nice station ID's for General Overseas Service with English language programming including news at 2200. Fair to good signal. (D'Angelo-PA/FCDX)
- 9445 **INDIA All India Radio** GOS at 2150 UTC Feb 14 with songs. World News at 2200 UTC. Very Good (Delmage, AB)
- 9450 **PHILIPPINES FEBC Radio Int'l** - Bocaue, *2258-2310 Feb 9, IS followed by opening in listed Mien language before mix of talks and music selections. Poor signal. (D'Angelo-PA/FCDX)
- 9455 **UNITED STATES WRMI** Okeechobee, FL 1431-33 excerpts from sermon on the temple mount & the antichrist, then Stair; excellent 2/15 (Prodan-ME)
- 9515 **SAO TOME Voice of America** at 1950 UTC Jan 29 in French with "Le Monde Aujourd' Hui". Sign Off at 1959:55 with English ID and Yankee Doodle. Very Good (Delmage, AB)
- 9535 **CUBA Radio Habana Cuba** Spanish 1434 music & m Ann; faint 2/15 (Prodan-ME)
- 9605 **UNITED STATES OF AMERICA KBS World** via WHRI Cypress Creek, SC - 2/9 0148 noted with listeners' letters in Spanish; SIO 555. (Bueneman-MO)
- 9630 **BRAZIL Radio Aparecida**, 0040, 3-2-20. Heard soft female vocal and male anncr. At 0041. Poor. (Cichorek-NJ)

- 9635 **CLANDESTINE Radio Ndarason Int'l** - Woofferton, 1816-1843 Feb 10, a nice mixture of talks in the listed Kanuri language. Fair to good signal. (D'Angelo-PA/FCDX)
- 9635 **MALI ORTM Radio Mali** - 2/7 0840 noted with hi-life music, brief talk in French at 0855; SIO 323. (Bueneman-MO)
- 9640 **CHINA China Radio Int'l** - Kashi, *2058-2109 Feb 10, tuning signal followed by a man announcer with opening station ID and announcements for the Spanish language service. Fair. (D'Angelo-PA/FCDX)
- 9650 **GUINEA Radio Guinea** at 2225 UTC Jan 26 with pleasant West African music. ID at 2229 UTC in French. Very Good (Delmage, AB) Unfortunately Voice of Korea came on at 2300 UTC under Guinea.
- 9650 **GUINEA Radio Guinea**, Conakry, 2241, 3-3-20. Female vocals in French followed by man and woman ta. Talking, fair. (Cichorek-NJ)
- 9650 **GUINEA Radio Guinée** - Conakry, 2017-2050* Feb 10, lively programming with a man announcer with French language talk hosting a program of lively music. Program abruptly ended without formal announcements. Fair to good signal. (D'Angelo-PA/FCDX)
- 9665 **BRAZIL Radio Voz Missionaria**, 0034, 3-2-20. Heard slow vocals by male possibly religious then brief talk by male in Portuguese and choral singing. Poor with considerable noise. (Cichorek-NJ)
- 9665 **BRAZIL Radio Voz Missionaria**, 0024, 3-6-20. Man in Portuguese with impassioned religious message and many "hallelujahs". Man sounded on the verge of weeping. Fair. (Cichorek-NJ)
- 9665 **KOREA (North) KCBS** - Pyongyang (presumed), 2309-2338 Feb 10, operatic and classical music mix. Poor signal with deep fades. (D'Angelo-PA/FCDX)
- 9665 **KOREA (DPR) KCBS**, 2346-2401. Opera music. Brief announcement in Korean by a woman at 2348 followed by martial music, at first instrumental, then with a chorus added. Time pips at 2400 followed by talk by a woman. Moderate strength signal with some flutter. 1/27/2020 (Evans - TN)
- 9665 **BRAZI Radio Voz Missionaria**, 2247, 3-3-20 Talk by man and woman in listed Portuguese with many mentions of Brazil Back and forth talk until 2249 with three chimes heard and more talk. Fair. (Cichorek-NJ)
- 9685 **CHINA CNR5**, Beijing 491, 0025-0027. Talk in Chinese by a man and a woman. Very weak signal, up and down at noise level. 1/28/2020 (Evans - TN)
- 9740 **KOREA, SOUTH KBS World Radio** at 1800 UTC Jan 29 with KBS Theme and Sign on in Spanish. Quick ID in English then into Spanish program. Excellent (Delmage, AB)
- 9795 **PHILIPPINES FEBC Radio Int'l** - Bocaue, *2258-2230* Feb 9, IS followed by opening announcements in listed Mon language. Program of talks and some vocal selections until close-down. Poor signal. (D'Angelo-PA/FCDX)


- 9805 KOREA (ROK) KBS World Radio**, Kimjae, 2225-2240. Talk in Indonesian by a woman and a man with a couple of minutes of music at 2230. Very weak, threshold level signal in heavy noise. 1/30/2020 (Evans - TN)
- 9835 IRAN VoIRI** at 1735 UTC Feb 10 in Russian with talk and instrumental tunes like "Secret Garden" by Mike Oldfield. Abrupt off at 1751:46. Very Good (Delmage, AB)
- 9855 MADAGASCAR NHK World Radio Japan**, 20:39 GMT Jan 22, SIO 555, French program, news on Trump's impeachment proceedings, Bank changes in the world, Japan sending planes and ships to protect against pirates in Middle Eastern waters, This is one of the first missions for Japan after world war II. News of Oxfam's work, ID at 20:45, excellent signal. (Fredette-ON)
- 9855 MADAGASCAR NHK Radio Japan**, GMT 20:49, Feb 19, SIO 444 French program, Story about the evolution of a tap dancer in 1960's whose hero was Gregory Hines. Clear audio, good signal. (Fredette-ON)
- 9865 INDIA All India Radio Vividh Bharati** at 1710 UTC Feb 6 in Hindi with tunes by Lata Mangeshkar & Mohammed Rafi. Excellent (Delmage, AB) Also noted at 1630 UTC Feb 9. Always enjoy listening to the sounds of this station with my morning java... (Delmage, AB)
- 9880 THAILAND Voice of America**, 0008, 3-2-20. Talk in Chinese by male and female alternating then joined by second male in conversation. Fair with flutter. (Cichorek-NJ)
- 9880 THAILAND Voice of America** - Udon, 0031-0100 Feb 10, Mandarin language program with several people in conversation and some short music breaks. Closed without an English language announcement but did have five short and one long time pips at 0100 before terminating transmission carrier. Poor. (D'Angelo-PA/FCDX)
- 9900 UZBEKISTAN BBC**, Tashkent, 1331-1334. Talk in Bangla by a man. Very weak, threshold level signal. 2/15/2020 (Evans - TN)
- 9940 THAILAND Radio Thailand** - Udon, 1208-1215* Feb 10, woman announcer with talk in the Malay language. Instrumental music at 1214 followed by a man with English language closing station ID and gongs before carrier terminated. Fair to good signal. (D'Angelo-PA/FCDX)
- 9975 THAILAND Voice of America** 20:36 GMT Jan 22, SIO 222 Man talking in Korean, fair to poor. (Fredette-ON)
- 11530 CLANDESTINE Dengê Welat** - Grigoriopol, 1335-1422 Feb 10, nice program of Kurdish music hosted by a man announcer with brief Kurdish language talks. Time pips, musical fanfare, woman with station ID followed by the News program at 1400. Fair to good signal. (D'Angelo-PA/FCDX)
- 11530 PRIDNESTROVIE Radio Denge Welat**, Grigoriopol, 1328-1331. Talk in Kurdish by a man. Weak to moderate strength signal with moderate fading. 2/15/2020 (Evans - TN)

- 11560 **INDIA *All India Radio*** – Bengaluru, 1321-1353 Feb 10, nice selections of vocals with a man announcer hosting the Dari language program. Dead air from 1331 but audio returned about ten minutes later. Good signal. (D'Angelo-PA/FCDX)
- 11600 **BULGARIA *Overcomer Ministry*** - Kostinbrod, 1422-1433 Feb 10, another Overcomer channel (just what the shortwave bands are short of, eh?) with Brother Stair with non-stop talk. Poor to fair signal. (D'Angelo-PA/FCDX)
- 11610 **MADAGASCAR *World Christian Broadcasting***, Light of life, 2233, 2-6-20. Heard male in Chinese with presumed religious message. Brief musical segue followed by woman talking and piano background. SINPO 45444 (Cichorek-NJ)
- 11610 **UNITED KINGDOM *Voice of America*** – Woofferton, 1600-1611 Feb 10, nice VOA jingle repeated twice followed by a man announcer mentioning station ID and “Washington, DC” in listed Somali language. Fair to good signal. (D'Angelo-PA/FCDX)
- 11610 **UNITED KINGDOM *Voice of America***, GMT 16:48, Feb 22, SIO 444, Somali program, Man interviewing a musician who starts to sing followed by Somali pop music. Good signal some fading. (Fredette-ON)
- 11680 **ZAMBIA *Voice of Hope*** - Makeni Ranch, *0359-0418 Feb 11, IS with man giving English language ID (This is the Voice of Hope Africa”). Another man at 0400 with station ID (“This is Radio Christian Voice, Lusaka ... the Voice of Hope”). Religious programming continued in the English language service. Fair. (D'Angelo-PA/FCDX)
- 11710 **KOREA (North) *Voice of Korea*** - Kujang, 1438-1557* Feb 10, operatic vocals but noted IS followed by English language station ID and opening announcements, a couple of anthems and news program. Plenty of music later as well as other talk features. Poor. (D'Angelo-PA/FCDX)
- 11769 **NIGERIA *Voice of Nigeria*** at 1834 UTC Jan 27 with "60 Minutes". Great signal with low audio. Sign Off of English program at 1857 UTC followed by Interval Signal and sign on in Lang? At 1900 UTC (Delmage, AB)
- 11850 **CUBA *Radio Habana Cuba*** via Quivicán – 2/8 0544 noted with commentary in Spanish; SIO 323. (Bueneman-MO)
- 11880 **CUBA *Radio Habana Cuba***. 11880, still off the air March 13 at 2120 & 2155, but *2200 RHC on weakly direct in French. Via Bogotá KiwiSDR, in Portuguese before 2300, 2300 switch to English, first item about someone killed near the RHC studios. Sufficient but not super reception, while //5040 is not making it there at all. Something’s always wrong at RHC (Glenn Hauser, OK, and WOR)
- 11930 **UNITED STATES *Radio Marti*** in SS from Greenville, NC. March 7, 2020, 1555 – 1603. SIO 333. Latin MX, YL vocalist. Heavy QRN, steep QSB down to JBA. OM announcer with ID and other announcements. News at TOH. (Henley, WA)
- 11945 **PHILIPPINES *Voice of America***, 0001, 3-2-20. Man and woman in Chinese alternately talking, presumed news. Fair signal with flutter. (Cichorek-NJ)

- 11975 **CHINA *China Radio Int'l*** Kunming-Anning, 0009, 3-6-20. Man and woman speaking in Chinese alternately. Generally poor with peaks to fair. (Cichorek-NJ)
- 11975 **MALI *China Radio Int'l*** at 2247 UTC Feb 14 with talk in Chinese. Excellent (Delmage, AB)
- 11975 **MALI *China Radio Int'l***, GMT 22:58, Jan 31, SIO 222, Chinese talk program. Man and woman talking. Fair to poor. (Fredette-ON)
- 11975 **MALI *Radio China Int'l***, GMT 22:07, Feb 16, SIO 444, French program, young woman speaking very bassy with a man who was talking very fast. Discussion on relations between France and china on graphic arts. Some fading. (Fredette-ON)
- 11975 **MALI *China Radio Int'l***, GMT 21:40, Feb 18, SIO 444 French program, African news, Tanzanian news, Pan African meeting on new technology, News on Chinese initiatives in Africa, folk pop music in French. Good and clear transmission, slight fading. (Fredette-ON)
- 11980 **CHINA *China Radio Int'l*** – Kunming, 1204-1225 Feb 10, the English language program with a man announcer giving the news followed by station ID and several promotional announcements, other features followed. Poor to fair signal. (D'Angelo-PA/FCDX)
- 11985 **MADAGASCAR *Adventist World Radio*** – Talata Volonondry, 2126, 3/7/20 in English. Part of a telephone number (456-6365), address in Lagos, Nigeria, AWR theme, hymn on piano until 2129 s/ off. Fair. (Taylor – WI)
- 11995 **FRANCE *Deutsche Welle***, GMT 16:43, Feb 22, SIO 333, Amharic program: Lady speaking with another woman. Fair to good. Noisy reception. (Fredette-ON)
- 12025 **AUSTRALIA Reach Beyond Australia**, Kununurra, 1340-1344. Talk in Hindi by a man and a woman. Very weak, threshold level signal. 2/15/2020 (Evans - TN)
- 12075 **BOTSWANA *Voice of America***, GMT 19:40, Feb 12, SIO 555, French news program: Story on coronas virus. News on military situation with Turkey and Syria, Israeli tourism. Program “Monde Aujourd'hui” West African news. ID at 19:46, excellent signal, slight fading very clear.
- 13570 **EAST TURKISTAN *China Radio Int'l***. 13570, March 12 at 1353, poor signal in French; CRI via Kashi/Kashgar at 1200-1357. Not usually audible here on the edge of the ISM band (Glenn Hauser, OK, WOR)
- 13580 **ESWATINI Trans World Radio** in Kirundi from Manzini Mpangela Ranch. March 8, 2020, 1610 - 1512. SIO 232. Religious broadcast. OM announcer. Off air and carrier gone at 1612. (Henley, WA)
- 13590 **KUWAIT *Voice of America*** 1408+ “The Hits!” “On VOA 1”; poor+ 2/22 (Prodan-ME)
- 13630 **MALI *Radio China In t'l***, GMT 22:01, Feb 16, SIO 343, French news program: Man reading a discussion on political situation, speaking very fast and very bassy. Signal good to fair with fading. (Fredette-ON)

- 13710 SAUDI ARABIA BSKSA** Holy Quran in AA. March 8, 2020, 1537 – 1544. SIO 343. OM chanting in AA. Then different OM with commentary, and back to chanting. ME MX, then spoken prayers, not chanted. (Henley, WA)
- 13750 THAILAND Radio Thailand** at 0030 UTC Feb 8 talking about coronavirus. Very Good (Delmage, AB)
- 13750 THAILAND Radio Thailand** – 2/29 0240 noted with discussion in Thai; SIO 323. (Bueneman-MO)
- 13775 FRANCE Deutche Welle** in Amharic relay via Issoudun. March 8, 2020, 1620 – 1627. SIO 333. OM interviewed by YL announcer. Listed target is East Africa. (Henley, WA)
- 13820 UNITED STATES Radio Marti** in SS. March 8, 2020, 1553 – 1602. SIO 232. OM and YL announcers in SS. ID in SS. Latin MX, YL vocalist, then more ID at TOH with news. Heavy QRN, listenable with difficulty. (Henley, WA)
- 15140 CUBA Radio Habana Cuba** Spanish 1521-33+ jazzy music “musica rhumba, Cubano”; fair-poor, fading by 1547 2/14 (Prodan-ME)
- 15215 SRI LANKA Adventist World Radio** - Trincomalee, 1513-1530* Feb 10, vocal followed by a man announcer with talk in the Hindi language. Several nice station IDs at close-down including mailing address in India. Fair to good signal. (D'Angelo-PA/FCDX)
- 15285 CLANDESTINE Manara Radio** – Issoudun, 1603-1700 Feb 10, weak signal with a man and woman speaking in presumed listed Hausa language program. Mainly talks until a man gave closing announcements and station ID before audio ended and carrier was terminated. (D'Angelo-PA/FCDX)
- 15300 FRANCE Radio France Int'l** in Hausa. March 8, 2020, 1532 – 1539. SIO 233. RFI in Hausa from Issoudun. Listed target is Central Africa. OM announcer / commentator, African MX clips. Heavy QRN, noisy signal, listenable with difficulty. (Henley, WA)
- 15400 VATICAN CITY Radio Somalia** 1547-56 news – alcohol & domestic violence, illegal logging in Uganda, “business news in the English language,” Wuhan & Corona virus, Chinese embassy in Sudan, 1556 “www.radioSomalia” and off; poor-fair, some fades 2/14 (Prodan-ME)
- 15460 VATICAN CITY Voice of America** to East Africa 1447+ m & m caller; fair-good 2/15 (Prodan-ME)
- 15580 BOTSWANA Voice of America**, GMT 16:37, Jan 22, SIO 333, English program: News on African countries, Zambia. Conference on modernizing land transfer and development. Good to fair. Moderate fading. (Fredette-ON)
- 15580 BOTSWANA Voice of America** English 1600-11 VOA news, tracing of contacts re Corona virus, Zuckerberg obsessed with thought of paying taxes in Europe, “Africa News Tonight,” Ethiopia-Egypt talks about Nile water use, possible first case Corona in Africa; fair-good 2/14 (Prodan-ME)

- 15580** **BOTSWANA** *Voice of America* in EE relay via Mopeng Hill. March 8, 2020, 1639 – 1645. SIO 232. OM with discussion. “Flashback Music” with mixed vocalists and OM announcer. Noisy signal, listenable with difficulty. (Henley, WA)
- 15600** **ENGLAND** *Voice of America* Kurdish 1440-07 2 m speaking Kurdish, but heard “...one child...” excellent 2/15 (Prodan-ME)
- 15700** **CUBA** *China Radio Intl* 1435-40 English f & M talk “no need to worry so much,” “airing out the house,” “American business schools adding STEM curricula to MBA programs to broaden appeal; fair & clear 2/15 (Prodan-ME)
- 15770** **UNITED STATES** *WRMI* Okeechobee FL 1612-21 English “Supreme Master Television,” “wave of extinction,” “save our kids – ban all meat,” a bunch of scary snippets, info about downloads & different stations; very good 2/14 (Prodan-ME)
- 15825** **UNITED STATES** *WWCR* Nashville, TN 1622+ Holy Ghost preacher; fair 2/14 (Prodan-ME)
- 17705** **SAUDI ARABIA** *Broadcasting Service of the Kingdom of Saudi Arabia* - Riyadh, 1351-1358 Feb 10, noted in passing with Arabic language talks by two male announcers. Fair to good signal. (D'Angelo-PA/FCDX)
- 17775** **UNITED STATES** *KVOH, Voice of hope*, Gmt 16:16, Jan 22. SIO 444 English program, Wave scan, DX program, listing various broadcasters, time, transmitters and power of transmitters. DX council meeting in Andorra. Good signal some fading. (Fredette-ON)

NASWA Facebook Page: Join moderator Richard Murphy < rm271828@gmail.com > 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 E-group at Groups.io, 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, log into your Facebook account and then enter “North American Shortwave Association” into the Facebook search box at the top of the page. If you are into social media, give it a try. 



On the Short Waves


< www.ontheshortwaves.com> Update, February 23, 2020 -- The Quixote Radio Club was founded in 1933. Originally located in Hendersonville, North Carolina, it soon decamped for Santa Barbara, California, and stayed in operation until around 1941. It professed a greater interest in program content than other clubs, but its bulletin, The Short Wave Reporter, was no less DX oriented. The first item in most issues was a writeup about a particular station, e.g. "Hear Mozambique," "Hear Hong Kong," etc. These often included brief comments about the program, the dial location in relation to other known stations, interference the listener might encounter, etc. We have extracted some these features from the QRC bulletins for the years 1936-39, added QSLs of the stations, and present the result under "DX History/Clubs & Publications." The first two groups are from Africa and the Americas. More of these next time. -- And in "Specialized Resources/The DX Recordings of Colin Miller," Colin has sent us a recording of Radio Japan from the 1970s. Thanks, Colin.


< www.ontheshortwaves.com> Update, March 1, 2020 -- In "DX History/Clubs & Publications," we conclude our presentation of the station features from the Quixote Radio Club bulletin, with QSLs added. The two new files are "Hear Europe" and "Hear Asia."

< www.ontheshortwaves.com> Update, March 8, 2020 -- Dave Thomas kept pretty close tabs on the receiver scene during his DX days, and some of the equipment brochures he collected have survived. We have posted them at the end of "The Early DX of David F. Thomas" section under "Specialized Resources." Thanks to Dave's son, Paul, for sending us this material. -- More under "Specialized Resources," these four new "Wavescan" entries from Adrian Peterson. (1) "Minicoy Island: The Island of the Long Racing Canoe Boats" (Wavescan N572, February 9, 2020); (2) "Uruguay on Shortwave: After the Second Great War" (Wavescan N573, February 16, 2020); (3) "Australian Radio Station 9AC on Bougainville Island" (Wavescan N574, February 24, 2020); and "The Grand Wireless Station at Monte Grande [Argentina]" (Wavescan N575, March 1, 2020). -- And this alert from Mike Barraclough via the British DX Club newsgroup: "BBC Engineering, 1922-1972," Mark Pawley's definitive work on the subject, is now available in PDF form at < <https://bbcbrandingrequests.co.uk/historyofthebbc/engineering/Pawley.pdf> > This tome was a rarity when I found a paper copy many years ago, and to now have it available at a click, and in searchable format, is quite something. And check out the wealth of BBC engineering info at < <https://www.bbceng.info/>>

< www.ontheshortwaves.com> Update, March 15, 2020 -- This time, under "DX History/Clubs & Publications," we present several items from a Swedish club, Teknik för Alla Eterklubb. These are: a reception report card, a club pin, and a QSL for a special broadcast via Poland that was sponsored by the club in 1957. According to the list of Swedish clubs at < <https://www.tosso.fi/dx/sk.htm>>, the club operated from 1952 to 1970, and Swedish DXer Jan Tunér remembers it. He writes: "The first editor was Hugo Gustafsson, followed by Lars Rydén and then Bengt Dalhammar. I took over in 1966. TFAE was a part of the technical magazine Teknik för Alla [Technology for Everyone], and during the 1950s there were

thousands of members. You could have a free membership card, buy reception report cards, a pin, diplomas, etc. It sponsored many shortwave competitions. The great competitor was the other technical magazine, Teknikens Värld [World of Technology], which also had a DX club. Neither one was what we would usually call a 'club,' but they contributed considerably to the popularity of DX."

NASWA Electronic 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 E-group at Groups.io: Join moderator Dan Ferguson, the club's e-mail based E-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 E-group at Groups.io, moderated by Dan Ferguson (k4voa@zerobeat.org), but not interested in registering direct with Groups.io should contact Dan direct by e-mail for further information. Dan can manually add you to the group. 

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JOURNAL ISSN: 0160-1989

MEMBERSHIP FEES:

United States (First Class Mail)	\$32.00
Canada (First Class Mail)	\$39.00
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e-Journal	\$15.00

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