

# The **NASA** Journal

VOLUME LIX NUMBER 3

MARCH 2019

**RADIO SOUTH AFRICA**  
WITH THE COMPLIMENTS OF THE SOUTH AFRICAN BROADCASTING CORPORATION  
OUR STATION: PARADISE NEAR BLOEMFONTEIN 20 K.W.  
HEARD BY YOU ON 41.76 METRES 7135 K.C.  
AT 0500 G.M.T. ON 24th March, 1963  
S. WELSHON FOR CHIEF ENGINEER

**CHANNEL AFRICA**  
RADIO + TELEVISION SERVICES

**SABC**  
QSL WITH COMPLIMENTS  
SOUTH AFRICAN BROADCASTING CORPORATION,  
P.O. BOX 8608, JOHANNESBURG, SOUTH AFRICA  
Our Station PARADISE, NEAR BLOEMFONTEIN, 20 K.W.  
Heard by you on 11.60 Meters 25,800 MC  
AT 1336 G.M.T. on 26th November, 1959  
H. W. ALLSTYER For Chief Engineer

**SABC**  
QSL with Compliments  
Our Station ZRK  
Cape Town heard by me on  
11.60 meters on 5-11-57

**RADIO RSA**  
THE VOICE OF SOUTH AFRICA

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

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**Be sure to note our new address!**

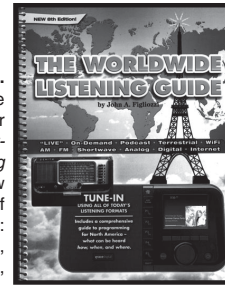


## WORLDWIDE LISTENING GUIDE

By J. Figliozzi.

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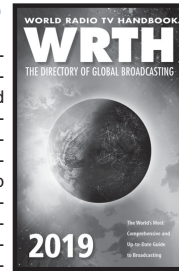
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This respected publication is filled with schedules, frequencies and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a by-frequency listing of shortwave broadcast stations, plus receiver reviews. ©2018. 73rd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

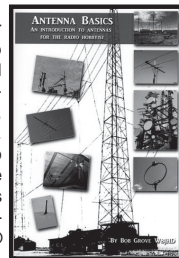
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## ANTENNA BASICS

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

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## SHORTWAVE RECEIVERS PAST & PRESENT 1942-2013

By F. Osterman.

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

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# NASA Notes

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

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As we go to press, the 32nd annual Winter SWL Festival is about to commence at the Doubletree Suites Philadelphia West, Plymouth Meeting, Pennsylvania. The event runs from February 28th through March 2nd 2019. Co-FESTmeisters **Rich Cuff** and **John Figliozzi** have assembled another outstanding group of speakers to host our forum sessions. Another good group of attendees is expected at this important radio event. We will have a complete report in next month's Journal recapping the event's of #32.

**Michael Schmitz** of the ADDX in Germany informs us that his club has digitized a whole bunch of new WRTHs and is offering them for sale. We'd like to inform you that we have digitized much more volumes of the WRTH and offer them for sale: WRTH-CD 1 (1947-1958); WRTH-CD 2 (1959-1970); WRTH-CD 3 (1971-1982); and WRTH-CD 4 (1983-1994). The price is 49 Euro each. We also offer bundles: Two CDs will cost 80 Euro and 3 CDs 119 Euro. Perhaps you are interestet in our brand new WRTH-Mega-DVD which covers all editions published from 1947-1998 - the first 52 (!) years of the handbook. Also the bonus-material of the DVD is worth a look: many "summer editions" of the handbook, several editions of the WRTH-publication "How to listen to the World", and all editions of the WRTH which were published in the 1950ies in German and in 1960 in Spanish. Last but not least you will find on this DVD some of the WRTH predecessors, which the former editor, O. Lund. Johansen, published during 1927 and 1945. This DVD gives you a unique insight into the history of global radio. Its an essential

tool for everyone interested in the history and development of international broadcasting. A full-text search-function is integrated. Also a print of the books is possible. The price of the WRTH-DVD 1947-1998: 149 Euro: (incl. shipment worldwide via airmail). Orders: Please write an email with your postal address to [kurier@addx.de](mailto:kurier@addx.de) and transfer the money to the ADDX account at Deutsche Bank Duesseldorf, Germany. IBAN: DE25 3007 0024 0868 6800 00 BIC: DEUT DE DB DUE. Shipment of the DVD will be done directly after the reception of the money. Payment via Paypal upon request. Please write to: "kurier@addx.de" or to ADDX, Scharsbergweg 14, 41189 Mönchengladbach, Germany.

With the possibility of South Africa closing its shortwave facilities by the end of March, **John Herkimer** decided to put together a cover featuring shortwave broadcasting from that country while it was still an "active" radio country. I remember the Radio RSA days of yore as well as South African Broadcasting Corporation. Sentech is the current transmitter operator that may be facing a difficult future if a major client, the BBC, station departs. We will know more over the next few weeks about the future of shortwave broadcasting from South Africa. In the meantime enjoy the cover of this active shortwave radio country!

Early September seems to be the time of year for radio gatherings. From the Worldwide DX Club in Germany we learn that the 2019 European DX Council (EDXC) Conference will take place in Andorra, over the weekend of Sep-

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## Unity and Friendship

tember 6th to 8th. They are still at the planning stages of organizing accommodation, visits, talks and other travel arrangements. All EDXC members and other DXers plus EDXC member organizations' partners, significant others and any friends who may also wish to experience the fun of an EDXC conference and the opportunities to explore before, during and after the conference itself. Andorra is a small (468 sq km) and mountainous principality, nestled in the Pyrenees between France and Spain. It should be exciting event in another new destination. **Chrissy Brand**, the new Secretary-General, and **Christian Ghibaud**, the new Assistant Secretary-General, invite all interested radio hobbyists to attend this year's gathering in Andorra. Also, the 2019 IRCA Convention will be held on September 5, 6 and 7, 2019 at the Courtyard by Marriott Seattle Southcenter, 400 Andover Park West, Tukwila, WA 98188 hosted by Mike Sanburn (mikesanburn@hotmail.com). Registration is free but the banquet, which will be determined later, will be paid for individually. Guest room rate is \$109.00 plus tax. Call for room reservations 800-321-2211 or 206-575-2500 mentioning the International Radio Club of American to get that room rate.

The World Radio Television Handbook (WRTH) has published its B-18 International schedule updates. A pdf update was made available in February 2019 of the B18 schedules given in WRTH 2019 can now be downloaded from the WRTH website. Follow the International Radio Latest Updates link on the menu on the left hand side of the WRTH homepage at: <http://www.wrth.com/>. Many of the updates

are included in this month's Listeners Notebook.

**Gayle Van Horn** W4GVH, CEO/Vice President Teak Publishing tells us that now is a celebratory year for the WWV stations. The fiscal year (FY) 2019 budget includes full funding for the stations, which also mark their 100th year this fall. The WWV Centennial Committee has a tentative agreement with the National Institute of Standards and Technology (NIST) to mount a special event station this fall adjacent to the WWV site in Colorado to mark the 100th anniversary of the time and frequency standard station, the world's oldest continuously operating radio station. The NIST budget for WWV, WWVH, and WWVB will remain level for FY 2019. Dave Swartz of the Northern Colorado Amateur Radio Club (NCARC) heads the committee, which is developing plans for an NCARC special event from September 28 through October 2, with a NIST centennial observance tentatively set for October 1. Although the US government cannot fund any Amateur Radio special event expenses, the club members will be allowed to use a 15-acre parcel on WWV property, Swartz explained on the WWV Centennial website. "The operating site lies outside the security fence and simplifies logistics," he said. Swartz hopes that other clubs in Colorado will be able to pitch in to make the WWV Centennial a success. The WWV Centennial Committee will meet again on February 22.

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



### **New Address**

Please note that NASWA has a new address:

**P.O. Box 3292, Allentown, PA 18106**

E-mail can be sent to [hq@naswa.net](mailto:hq@naswa.net). The 45 Wildflower Road address is now closed.

# Musings

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

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*Please e-mail musings as MS Word attachments to jalinebk@gmail.com or mail to 4422 Sierra Del Sol, Paradise, CA 95969-8116. Next deadline is March 27, 2019.*

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

Sorry to have missed the February issue. We were busy with things related to getting our house repaired. We hope we will be back home by the time you read this, but as of now we are still living in Roseville, CA. Over the past few months, I have received a number of personal messages of support from members regarding my announcement and the fire. I thank you for them. If you have access to Google Earth, Google has updated it with post-fire images showing the near total devastation of Paradise.

This Musings column in the Journal is a forum for you to share your thoughts and memories regarding our mutual hobby. Please do so, preferably by e-mail (until daily home delivery is re-established).

73, Jerry Alice

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

At the 2018 International Radio Club of America convention in Saint Charles, MO, I listened to several lectures on DXing. Several lectures on DXpeditions really piqued my interest. I had never tried going on a DXpedition in the 37 years I have been in this hobby, so I began planning for my first DXpedition shortly thereafter. I noted that there are several parks, conservation areas and forest preserves within an hour's driving time of my QTH. I thought I would get started with a daytime DXpedition.

On November 24, 2018, I went on my first DXpedition. I drove out to Babler State Park in the city of Wildwood, in western Saint Louis County, MO. The park is about 25 miles west of downtown Saint Louis, and about 15 miles southwest of my QTH. I took my Tecsun PL-600 on this DXpedition for shortwave DX. I set up in a parking lot on the western end of the park, along one of the hiking trails. I attached the 20-foot longwire that came with the PL-600 to the car antenna on a 2002 Chrysler Voyager, and hooked it up to the PL-600. It was a relatively warm day (64 degrees F), so I set up the listening post outside on a folding table. I started DXing around 2010 UTC, hearing a good signal from Spain on 9690 kHz. Conditions on the shortwave bands favored Africa, Europe and the Americas that day; the biggest surprise of the DXpedition came around 2035, when WWVH was taking out WWV on 15 MHz. I also did some AM broadcast band DXing with a General Electric Superadio III; numerous stations from the U.S. Midwest, Mid-South and Great Lakes were being heard. Adjacent channel interference from the local AM broadcast stations was minimized; the noise floor was nonexistent. I wrapped up the shortwave logs with Romania on 7310 kHz at 2133 UTC; I packed up and headed back to my QTH after 2200 UTC.

The second DXpedition took place on December 29, 2018. It was a colder (32 degrees F) day when I went to Marais Temps Clair State Conservation Area for a sunset DXpedition. Located in the agricultural community of Black Walnut in northeastern Saint Charles County, half way between Saint Charles and West Alton, MO, it is about 20 miles north-northwest of downtown Saint Louis. I took the same two receivers and set up the 20-foot longwire on the car radio antenna. I set up in the parking lot of the conservation area office on Island Road, about a mile north of State Road H. I had planned to set up in another area on the other side of the road, but that was restricted to use by deer hunters at that time of the year. I stayed in the vehicle this time, as it was too cold to set up outside. I started DXing around 2200 UTC with a fair signal from Cuba's Radio Rebelde on 5025 kHz; conditions on the shortwave bands favored the Americas on this particular DXpedition. I also had good signals from Anguilla on 6090 kHz, along with WINB on 9265 kHz and WBCQ on 9330 kHz. The best signal came from Radio Havana Cuba (in English) on 9720 kHz. By contrast, the RHC transmission in Spanish on 5040 kHz had only a fair signal. Even though I was just five miles from the three-tower array of Catholic broadcaster KH0J (1460 kHz), no images were noted from the station on the shortwave bands. On the AM broadcast band, conditions favored the U.S. Midwest, Northeast and Mid-Atlantic states, as well as the Canadian provinces of Manitoba and Ontario. Before I wrapped up around 2320 UTC, I noted aviation weather station CHR from the Canadian Forces Base at Trenton, Ontario on 6754 kHz USB with a good signal. The noise floor was also nonexistent at Marais Temps Clair (French for "fair weather marsh").

I'm also considering other locations for future DXpeditions, not only for the daytime hours, but also for sunrise and sunset DXpeditions.

73 from the Florissant Valley Dial Twister.

*See page 13 of the January Journal for more info on this subject-JAL*

**Ronald Sives, rgsives@gmail.com, Easton, PA**

Back in October, there was an earthquake in Romania that hit on the very first day that RRI was due to start using the winter frequencies. Since then, I have been getting nothing but bad reception here in Pennsylvania. So, my question is this: Has anyone heard about any damage to either of the transmitter fields, and have RRI operations been affected because of that?

Thanks, Ron Sives

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

On February 12th, Mark Coady delivered news to the NASWA Groups IO about the possible closure of the Meyerton, South Africa shortwave transmitter site by the end of March (see this month's Listeners Notebook). That was a chunk of bad shortwave radio related news to start off my snowy/sleet filled morning. The Meyerton transmitter complex gave us reception of a lot of different outfits including Channel Africa and Radio Sonder Grense. I have a report in to Sentech so I will be interested in hearing from them and what they have to say on the subject. It seems shortwave death follows the BBC around. Jeff White is schedule to appear at the Winter SWL Festival so I am sure he will have the latest developments on this subject.

After the latest French Creek State Park DXpedition I was a little under the weather for a few days and then must have caught a case of the winter weather blues. I am finally finished up my loggings after sitting on them for a while. Sorry for the delay although they did make the weekly electronic Flashsheet on a timely basis!

During my recent trip to French Creek, the sixty meter band was a complete wipe out. It appeared to be very noisy and reception was just about impossible across the band. Ninety meters was pretty good even though there isn't much to hear on that band. The international bands were awful on Sunday (the first day of the outing) but pretty good all day Monday (the second day). The final morning (Tuesday) things seemed better than Sunday but much worse than Monday (the best day overall). Highlights were Bangladesh Betar in English on 15,105 kHz at \*1230 UTC; two nice receptions of Radio Mosoj Chaski – Cochabamba on 3,310 kHz; a big signal from Dengê Welat – Grigoriopol at 1348-1510 UTC (France from 1500 UTC) on 9,525 kHz; a logging of the new outlet Radio Koode International – Issoudun at \*1900-1930\* UTC on 7,265 kHz; a nice reception of Radio Fana - Addis Ababa on 6,110 kHz at 0424-0445 UTC; tentative loggings of the two Papua New Guinea stations on 3,260 and 3,325 kHz; the Voice of Vietnam - Son Tay in English at 0021-0028\* UTC on 9839.7 kHz and Zanzibar Broadcasting Corporation – Dole on 6,015 kHz at 0351-0426 UTC.

73, Rich



## Publisher's Corner

Richard Cuff • P.O. Box 3292 • Allentown, PA 18106 • [hq@naswa.net](mailto:hq@naswa.net)

### Did we see you at the Winter SWL Fest?

As I am preparing this month's column, we're in the final preparations for the 32<sup>nd</sup> Annual (!) Winter SWL Fest down in Plymouth Meeting, PA. I hope I had the chance to meet many NASWA members there and hear about what you enjoy most about shortwave listening / DXing these days, and how NASWA can add to your enjoyment.

We will be emphasizing our new e-Membership option at the Fest, as it will be a handy way for folks who might have allowed their memberships lapse to get back involved with the club. Existing members can also switch over to an e-membership, and we'll adjust your membership expiration date for the new format.

I, for one, find that the Fest recharges my listening batteries – even if my most frequent mode of listening these days is to webcast and podcast versions of programs. Even with those regular modes, I still try to take the time to try a couple DXpeditions in the winter season, along with visiting some park pavilions for outdoor listening once the weather improves.

It's not too late to begin planning for next year's Fest, especially if you missed out on this one. We expect the dates will be March 5<sup>th</sup> – March 7<sup>th</sup>, 2020. We'll formally announce new dates and confirm the location soon.

### It's been a year of learning and adventure

Just about a year ago we learned of Bill

Oliver's sudden passing, and a few of us stepped in to retrieve Bill's hobby items and take over the day to day operation of the club.

While there have been a few hiccups along the way, I'm overall pleased with our ability to keep things going. Thanks are due to largely to all the editors who have continued to produce excellent columns month after month, and thanks are also due to those who contribute loggings, musings, articles, and general suggestions to those of us who produce the Journal each month.

Bill left the club in excellent shape, allowing us to experiment with new ventures such as the e-Membership option, and also allowing us to take a month's breather to get things in order after his passing.

Managing the monthly cadence is getting a bit easier as time goes on as well.

Many thanks to all who provide words of encouragement with their renewal notices.

## PayPal process streamlined

We've begun the process of updating the NASWA website (<http://www.naswa.net>), and one of the first tasks has been setting up a page where you can directly process renewals via PayPal without leaving the NASWA site – either for the paper version, or the e-journal version. Visit [naswa.net](http://www.naswa.net) and look for the "Membership" tab along the left side of the page.

## Speaking of e-Memberships

We've seen a nice pickup of new and lapsed members who have rejoined the club after learning of the availability of e-Memberships. I'll continue to be talking about this option in the various online discussion groups I participate in.

You can help the club's cause by promoting this option as well – simply tell folks to visit the NASWA website, <http://www.naswa.net>.

Keep those musings and loggings coming in – don't hesitate to get in touch with ideas, comments, and suggestions!



# Listening Review

Alan Roe • 33 Atbara Road • Teddington, TW11 9PA, United Kingdom • [alan-roe-swl@randa33.co.uk](mailto:alan-roe-swl@randa33.co.uk)

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Hello and welcome to the March edition of Listening Review.

## China Radio International

Over recent months I have been hearing some new programs on China R Int, such as *Icon*, *Travelogue*, *My China Story*, *Closer to China* and *Rediscovering China*. However, all these programs are in fact audio of TV programs produced and aired on CGTN (China Global

Television Network), rather than programs produced by CRI for radio. I listened to an episode of *Rediscovering China* presented by Laura Schmitt on 27 January (0030UT on 7350khz) which I subsequently found on YouTube at:

[https://www.youtube.com/watch?v=eFol-6l9g5k&list=PLt-M8o1W\\_GdSYajGphAx5fQhNrynGKGPu&index=8](https://www.youtube.com/watch?v=eFol-6l9g5k&list=PLt-M8o1W_GdSYajGphAx5fQhNrynGKGPu&index=8).

This was an interesting episode titled *Hang-ing in the balance: the Chongqing Bangbang* about the manual labourers in Chongqing who transport goods without the assistance of 'vehicles or technology' – that is, they carry their load on balanced on two ends of a pole (the 'Bangbang'), and most of the deliveries are within a 15-20 minute walk. Astonishingly, however, they can carry loads of up to 150kg at a time. The presenter explains that there are now very few Bangbang. The program ended with these final comments by the presenter:

*'[The bangbang] vow to keep going for as long as their health allows, but as is the case for most of their colleagues, that time will come soon [...]. The local Chongqing people [...] think of the bangbang as a cultural institution, and a majority of them seem certain that the bangbang will always be a part of Chongqing. But with just around 1% of the original army left still working now in Chongqing and technological advancements now starting to replace them, I personally do not see this type of backbreaking labour surviving for that much longer. At the end of the day, who's to say that is really such a bad thing.'*

The main problem about any radio airings of TV audio is that TV programs rely to a lesser or greater extent on visuals which make no sense to a radio listener. Fortunately, and unusually, some slight edits were made to make the visual element work for radio listeners. For example, during a scene in which Laura tried out the work of the bangbang for herself (*pictured right in a still from the TV program on YouTube*), she is seen in the TV version walking through market alleys talking in Chinese to residents (asking them to move aside) with English sub-titles on screen. In the radio version, some of these sub-titles

were voiced by another person to at least allow the listener to make sense of what was going on.

**Rediscovering China** is aired Sundays at 0030. It is likely heard at the other times formerly occupied by **Horizon** (i.e. 0230, 0430, 0630, 0830, 1030 and 1230 (and also the previous day at 1830 and 2230)). However, I have also heard this program on other days and I have heard some of the other CGTN programs at these times, so I am uncertain if these programs actually broadcast to a fixed schedule. I will try to work this out over the next few weeks and present the latest full schedule of CRI in the new A19 broadcast season.

## Radio Exterior de Espana

Glenn Hauser commented in DX Listening Digest early February:

*SPAIN. 9690, Wed Jan 30 at 2307, REE in English with Justin Coe introducing C&W music by Chisholm group (like from around here?), and song by Merle Haggard. OK, but WHAT has this got to do with Spain? With only one sesquihour of English per week, REE ought to cram it with 100% all-Spain content! Even if it's a lot of music requiring little original production. (Glenn Hauser, OK, DX LISTENING DIGEST)*

I have to agree with Glenn – It does seem something of a wasted opportunity as there must surely be plenty of Spanish music that could be aired.

## Final words

A cautionary tale: On 8 February at 1435UT on 15140kHz I tuned-in to listen to R Sultanate Oman in English. However, Radio Habana Cuba is also scheduled here at the same time

in Spanish. On the, not uncommon, occasions when Oman is either off air or, perhaps, not propagating, then Cuba can often be heard, albeit rather weaker, and often with some lively Cuban sounds (and for me preferable to the Western pop that is typically broadcast from Oman). On this date I tuned in and was enjoying some fantastic back-to-back Cuban music with rather better reception than I would normally hear from Cuba at this time. However, I duly logged this as Cuba and carried on listening until the top of the hour ... when the music ended ... and a promo for the Muscat music festival was heard! Not Cuba - it was Oman after all. A timely reminder not to assume an ID, but wait for an ID or some other corroborating evidence.

It has been good to hear Voice of Nigeria back with good reception on 15120kHz (in DRM)

in the European afternoons here. I listened for a while on 16 February from around 1730UT to the live *Election Special*, and to the host making the best of it as the election had been unexpectedly postponed in the early hours Nigerian time. He had a guest in the studio discussing the non-election, but abruptly interrupted him on several occasions when a telephone call came in from a reporter or other correspondent. I wasn't sure if the abrupt interruption was because he was grateful that there was someone else to talk to, or if it was to get the call on air before the telephone connection was lost. Regrettably this transmission is proving to be intermittent, at best, and was missing again on both 17 and 18 February.

That's all for this month, until next time -  
73's Alan



# International Broadcasting

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## The USAGM audience increase: less than meets the eye

A February 2019 email from John Lansing, CEO of the U.S. Agency for Global Media (new name for the Broadcasting Board of Governors) proclaimed that "2018 was a banner year" for USAGM. He noted that "USAGM programming was consumed by 345 million adults weekly worldwide—including radio, television and internet—an unprecedented year-on-year increase of 67 million from 2017." This refers to the USAGM's "Audience Impact Overview for 2018" issued in November 2018 ([bit.ly/2El5h0q](http://bit.ly/2El5h0q)).

That would be a 24 percent increase in one

year. As an international broadcasting audience research analyst for 42 years (10 in academe and 32 for the Voice of America and its parent agencies), a 24 percent "year-on-year" increase gets my notice. I want to know why there was such a dramatic increase. Did a major war break out, causing people to seek information from abroad? No, nothing beyond the ongoing simmering regional conflicts. Did one of the USAGM entities score a new television affiliate, with a prime-time slot in a populous country? If that had caused the increase, I am sure it would have been highlighted in the report.

According to the press release, "The measured weekly audience grew to 345 million

people in FY 2018, from 278 million people in FY 2017, an unprecedented increase of 67 million.” The reader could easily interpret this as a sudden one-year audience increase of 67 million, but it is actually a change in the “measured” audience.

There really is no “year-on-year” increase, because that would require surveys every year in every country reached by the USAGM entities. There certainly is not enough budget for such an undertaking. Increases, or decreases, occur when new data replace old data. Some of the old data can be several years old. So what really happened is that new data have replaced older data, resulting in a new global estimate.

## **I know, this is like a boring college lecture, but ...**

The USAGM report points to China as a key contributor to the audience increase. The previous USAGM (then BBG) survey was around 2014. With a typical sample size of 3,000, a positive response from one person interviewed can represent about 400,000 members of the audience.

But beyond that, it is not so much the gap in years involved, but also a change of methodology that would explain the increase, or what appears to be an increase, in the USAGM audience. This paragraph from the USAGM report requires some concentration but it does explain some important factors:

These figures are considerably higher than previous estimates for both audiences, and much of the increase is attributable to new questions about the use of individual programs and blogs that also were identified by the RFA or VOA brand. When the audience for the USAGM broadcasters is measured by the VOA or RFA brand only, without

mention of any individual programs, the weekly reach of USAGM brands combined was 1.7 percent of Chinese adults. This figure is most methodologically comparable to previous estimates of USAGM audience, which was measured at 0.3 percent in 2014.

So the new methodology asks about all the program and blog names, and not just the top-level brand names of VOA and Radio Free Asia. That would explain an apparent increase of audience in China from 0.3% in 2014 to 6.2% in 2018 – an increase that beggars belief and indeed is not to be believed. But even by the “most methodologically comparable” process – using VOA and RFA brand names only – there was an increase from 0.3% to 1.7% – a whopping 566% increase. What caused such a huge uptick in the audience size? A caption in the report offers this explanation: “VOA & RFA have expanded on digital and social media platforms in China and achieved dramatic growth in a country where they are censored on mainstream platforms”

Well, perhaps. But as the skeptical research analyst, I have seen marked increases or decreases from one survey to the next that were attributable to something in the methodology, such as the wording of the questionnaire, the conduct of the interviewers, or the selection of the sample.

As for asking about program names and, Lord help us, blog names, this becomes a trap for false positives, because there is very likely a program or blog with the same or similar name inside the target country. Yes, the report says the programs and blogs “also were identified by the RFA or VOA brand.” But when the respondent hears the question “Have you read the blog Trans-Pacific Business on Měiguó zhī yīn (VOA),” he/she might think,

yes I have read that blog, but I didn't know it is from something called Měiguó zhī yīn. The respondent may actually have read a blog with a similar name from a domestic source.

## The false-positive "feature"

An example of the program name false-positive trap might be USAGM's claim of a "market-leading audience share within Iran" (bit.ly/2E0ZP2G). If true, it would mean that VOA Persian and Radio Farda have a larger audience in Iran than BBC Persian or even the popular Manato TV or the entertainment oriented Pars TV. In Iran, by anecdotal discussion and reaction from the Tehran regime, BBC is mentioned more often than the U.S. international broadcasting outlets.

Before I retired from VOA's audience research office in 2017, a survey in Iran (actually using telephone calls into Iran from a nearby country) showed a large increase in audience for VOA Persian and even indicated that VOA's audience surpassed that of BBC in the country. Fascinated, I dug in to the data set. The bulk of the increase was attributable to two VOA Persian TV programs: Early Report and Late Report.

Well, of course there are programs on Iranian domestic television with very similar names

to that. I went to the Islamic Republic of Iran Broadcasting website, looked at the schedule grid, then enlisted a Persian-speaking friend to verify this. Also, the purported viewers of VOA's Early Report and Late Reports "did not belong with the others," i.e. their characteristics did not match those of the international broadcasting audience in Iran. Many of them don't have satellite dishes, and internet access to VOA is thoroughly blocked.

I made known my concerns to my management chain, but the audience research results for Iran were not changed. Apparently management sees false positives from program names that resemble program names from domestic broadcasting as a feature rather than a bug. This "feature" brings higher audience numbers, which are touted by management.

Is audience increase by dint of false positives being exploited elsewhere? A prominent addition to USAGM's output to Russia is Current Time, an online video news service that is a joint project of RFE/RL and VOA. Current Time is Russian is Настоящее Время – or Nastojašee Vremya in Latin alphabet. Gosh, do you think there might be a television program called Vremya in Russia?

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



## NASWA Email Group (Updated Address!)

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



# Shortwave Center

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*A potpourri of items this month as thoughts (and prayers in some quarters) turn toward spring. Hope your antennae have survived the winter onslaught!*

## SHORTWAVE NEWS

### China Makes Its DRM Move

by Hans Johnson

Radio World Magazine

Feb. 8, 2019

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BEIJING — It appears as if China has jumped into **Digital Radio Mondiale** shortwave broadcasting with both feet. Some DRM infrastructure has been in place for over a decade, but up until recently had only been sporadically tested.

Just over a year ago, China had no regular DRM presence. Today, it is the world's largest DRM shortwave broadcaster. China operates the most DRM transmitters in this band and has the most extensive schedule.

The initial broadcasts started in early 2018 from Beijing. Services continued to rollout over the year via various transmitter sites, often on the country's periphery.

A DRM shortwave transmitter in Beijing targets north China almost 24 hours a day. A second Beijing transmitter targets east China for eight hours a day.

Another transmitter in Ürümqi in the country's west targets central and east China for 14 hours a day, while a transmitter in Qiqihar, Heilongjiang province (the Manchurian plain), is on more than 11 hours a day and reaches south and southwest China. Dongfang on Hainan Island province is on eight hours a day on two frequencies for both north and southeast China. Finally, the DRM shortwave transmitter located in Kunming in the Yunnan province is on eight hours daily for south China. There is now a DRM network providing nationwide coverage.

By comparison, **All India Radio** has 11.5 hours a day of shortwave time coming from a single transmitter. The Indian broadcaster has as many as three more DRM-capable shortwave transmitters but they are not on air at present. India does operate 38 AM (medium wave) transmitters for its domestic network, however.

Programming takes place on the first channel of **China National Radio**, part of the country's state-run domestic service. CNR is implementing a number of DRM features in its broadcasts. Improved fidelity is delivered by DRM's wider bandwidth and many transmissions are in stereo.

China originally purchased a number of Thales (now Ampegon) DRM-capable transmitters over 15 years ago. China's national high-tech research and development program is known as Project 863. Developing an indigenous DRM infrastructure was one of the project's goals.

Some of the effort was conducted by the Engineering Research Center of Digital Audio and Video at the Communications University of China in Beijing.

ECDAV was tasked to develop a DRM encoder and modulator by 2008 and worked on a DRM transmitter a year later. By 2012, a complete DRM transmission system conducted on-air tests. The CNR network, which is rolling out

## SHORTWAVE NEWS

# Learn about International Radio for Disaster Relief and other initiatives

Radio World magazine

by Jeff White

Jan. 29, 2019

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The author is chairman of the High Frequency Coordination Conference, which is a non-governmental, non-profit association that manages and coordinates global databases of international shortwave broadcasting. This is one in a series of occasional commentaries.

## A19 Frequency Coordination

Tunisia in North Africa [was] the site of the A19 Global Coordination Conference for shortwave broadcasters. The A19 broadcast season

today, is the culmination of that effort.

The main problem at this point remains the availability of DRM receivers. **Gospell** is China's only manufacturer of DRM receivers. The company makes the **GR-216**, which is non-portable and is not readily available. It has also created the **GR-227** digital radio car adaptor.

Perhaps the extensive schedule will spur mass-production of receivers. Either way, China has made its move into DRM broadcasting.

*Hans Johnson has worked in the shortwave broadcasting industry for over 20 years as a sales and frequency manager.*

runs from March 31 to Oct. 27, 2019. Most of the world's major shortwave broadcasters and many government regulatory authorities attend these conferences, organized by the HFCC, the Arab States Broadcasting Union and the Asia-Pacific Broadcasting Union.

The A19 Conference [was] hosted by ASBU, which is headquartered in Tunisia. Nearly 100 delegates from more than 40 countries are expected to participate. The purpose of these meetings is to coordinate station transmission schedules prior to the start of each semi-annual broadcast season so that no two stations are broadcasting on the same frequency at the same time to the same region of the world.

About 85 percent of the world's shortwave transmissions are coordinated at these con-

ferences, virtually eliminating any potential interference issues before the start of each season.

## International Radio for Disaster Relief

In other shortwave topics: International Radio for Disaster Relief project was the brainchild of former chief engineer of Radio Prague and HFCC co-founder Oldrich Cip, who passed away last year. The idea was to arrange for designated shortwave frequencies that are reserved and can be used by international broadcasters in the event of natural disasters such as hurricanes, earthquakes, floods, landslides, tsunamis, etc.

Shortwave radio is often known as “crisis radio” as people tend to listen to it in greater numbers in the event of emergencies. When disaster occurs, local and regional radio stations, satellite and Internet coverage may be off the air due to damage, but shortwave stations in distant locations can still get through to listeners who have low-cost battery-powered (or solar-powered or wind-up) radios. In some cases, aid workers distribute these types of radios to affected communities so they can hear shortwave broadcasts.

In the event of a disaster, any shortwave broadcaster can register temporary usage of the allocated IRDR frequencies through the HFCC on a first-come, first-served basis. For some time, the IRDR Working Group has been monitoring the shortwave bands and finding available frequencies in each major band that have been allocated for permanent IRDR use. See Table 1 for a list of the current IRDR frequencies and times reserved.

The goal was to have IRDR frequencies recognized at the ITU level. In September 2016 the HFCC sent a contribution to the ITU-R Work-

ing Party 6A explaining the background of the IRDR project and how the IRDR frequencies may be used for emergency broadcasts.

In March 2017 WP6A adopted a recommendation called “Use of IRDR frequencies for emergency broadcasts in the HF bands” and sent it to a study group for approval. In the same month ITU-R Study Group 6 approved the recommendation.

Michael Puetz of Media Broadcast in Germany and chairman of the IRDR Project Working Group says that IRDR “intends to raise awareness of international radio for disaster risk management and persuade broadcasters and administrations to reconsider the planned closure of shortwave transmitting sites.”

## Expansion in Spain

And in October, Spain’s international broadcast service **Radio Exterior de Espana** doubled its daily shortwave broadcasts from four to eight hours per day. Most transmissions are in Spanish, but REE has now re-introduced programs in English and other foreign languages.

The station had dropped shortwave broadcasts in 2014 and resumed them a short time later but on a limited schedule and only in Spanish. But as of the A18 broadcast season REE has defied the trend of downsizing or eliminating shortwave by government-owned international broadcasters since the end of the Cold War.

REE is intended for Spaniards abroad, Spanish fishing fleets in international waters and for general overseas audiences in multiple languages.

Jeff White is general manager of **WRMI Radio Miami International** in Florida.

## SHORTWAVE HISTORY

### ADRIAN PETERSON'S DIARY

# What is the Future for VOA on the Islands of Tinian and Saipan?

The strongest wind storm to ever strike an American territory hit the Pacific Island of Tinian on Wednesday, October 24, last year (2018). This massive storm, with wind gusts up to 219 miles per hour and sustained winds at 180 miles per hour, was also described as Earth's strongest storm during the past year 2018. Super Typhoon Yutu, the 31st named wind storm in the Pacific during last year, passed directly over Tinian Island, rendering massive immeasurable damage, ten inches of sudden rain, and an ocean surge at 20 feet.

As a result of this horrendous impact, the twin **Voice of America** shortwave stations on both islands, Tinian and Saipan, sustained such massive damage that it has rendered them inoperable for six months at least or perhaps even a complete year. In fact, the damage is so great that the entire future of these two huge shortwave stations is in jeopardy.

## Tinian

Tinian Island is just a small island, 10 miles long and 4 miles wide, with a total area of just 39 square miles. The island lies 5 miles southwest of the better known Saipan, though it is 400 miles north of the well-known Guam.

In its early prehistory, Tinian was settled by Melanesian people from Asia; and about a thousand years ago, it was ruled by the Chamorro Chief Taga, who constructed a large home in the form of the ceremonial Latte Stones. Today the main historic tourist at-

traction on the island is a double row of Latte Stones in the form of truncated pyramids.

It is thought that the famous Spanish explorer Ferdinand Magellan sighted the island in 1521. During the next year, Shipmate Gonzalo de Vigo and two others deserted the ship Trinidad due to its unseaworthiness, and they escaped to the nearby Maug Islands. Two men were killed by the local Chamorro people, though de Vigo survived and he visited thirteen of the Marianas islands, including, it is suggested, Tinian.

The Spanish established a settlement on Tinian in 1669, and at the time it was estimated that there were 40,000 Chamorro living on the island. Half a century later, the population figure had shrunk to 1,400, due to local tribal conflicts and European diseases. The remaining survivors were relocated to Guam.

In 1898, at the end of the Spanish-American War, the United States occupied Tinian; and during the next year, Spain sold the island to Germany. Then, during World War I, Japan occupied the island. During the early part of World War II, there were 13,000 Japanese civilians living on the island, together with 2,700 Koreans, and only 22 Chamorros.

Following nine days of intense fighting, the United States forces took over the island on August 1, 1944. They quickly turned the entire island into one huge air force base, the largest ever in the world, with 11 miles of

runways, each runway at the width of 10 motor vehicle lanes.

At the height of its usefulness during the Asia-Pacific War, a total of 40,000 American personnel were in service on the island. Two atomic bombs were brought to Tinian by ship, and they were loaded into airplanes that dropped them over Hiroshima and Nagasaki in Japan.

Obviously, with such a huge population of Americans on the island, there would have been extensive radio communication with hundreds of airplanes, a multitude of ships, and also with forces headquarters elsewhere. However, there is no indication that there was ever an **AFRS** American Forces entertainment radio station on the island. Maybe it was considered that the mediumwave signal from the **AFRS** station on nearby Saipan, station **WXLD** with 1 kW on 660 kHz, provided sufficient coverage for Tinian.

There is no evidence that an early wireless communication station or a mediumwave broadcasting station was ever installed on the island; no, not under the German administration and not under the Japanese administration, nor under the American. However, in 1944, Japanese forces rapidly strengthened their military presence on the island, and it is obvious that they would have used shortwave radio for distant communication.

American forces took over the island on August 1, 1944, and they then constructed the world's largest air force base with the presence of 40,000 Americans. It is obvious, again, that the Americans would be using shortwave equipment for communication with airplanes, shipping, and distant headquarters.

At this stage, the Americans designed the layout of the island similar to the layout of

Manhattan Island in New York, even giving the same names to streets and localities as on Manhattan. These days, the previous airways locality on Tinian is abandoned and inhabited by feral cats and rats.

However, during the year 1996, the **Voice of America** in Washington, D.C. announced that plans were already underway for the construction of a huge shortwave relay station on the island of Tinian. It was envisaged that this station, on a land estate of 800 acres, would contain six shortwave transmitters at 500 kW each, together with an antenna system comprising seven pairs of curtain antennas.

Ground work on the new station began in 1996; an experienced company in Kuwait was awarded the contract for the installation of the electronic equipment; the six transmitters would come from a closed shortwave station in Portugal; and the antennas would be installed by Continental-Telefunken. Programming for the Tinian station would be provided by satellite from the studios of the **Voice of America** and **Radio Free Asia** in Washington D.C.

The first test broadcasts from **VOA Tinian** began a little more than two years later, on January 5, 1999, when two transmitters were activated at night in order to test for the possibility of arcing problems in the antenna systems. These two transmitters began regular programming ten days later, on January 15 (1999); by which stage, a third transmitter had already been installed, and it too was ready to be activated.

When the Tinian shortwave station was completed, it contained not six transmitters but eight. There were two Continentals at 250 kW each from the United States, Model 419F2; and six transmitters at 500 kW each from ABB in Switzerland, Model SK552C3P. These

six units had previously been on the air for **Radio Liberty** and **Radio Free Europe** in the shortwave relay station at Maxoqueira in Portugal.

The Tinian station was located at the northwestern coast of the island, and the antenna systems were arranged in an arc facing the ocean, and Asia. A total of eleven curtain antennas were erected, including five pairs of active curtains with passive reflectors.

On October 24 last year (2018), Super Typhoon Yutu, described as the most violent wind storm ever on Earth, struck the island of Tinian and wrought untold havoc and destruction, though, fortunately, few lives were lost. According to VOA station management: "Both stations (Tinian and Saipan) were completely wiped out. Antennas mangled, roofs partially torn off, fence lines flattened. Both sites will be off the air for a minimum of six months, possibly up to a year."

As a result of the massive destruction wrought by Super Typhoon Yutu, programming from the **Voice of America** and **Radio Free Asia** has been farmed out to other available stations that provide shortwave coverage into Asia.

In the December 19 (2018) issue of the American journal, "Radio World", writer James Careless [in an article reprinted here in SWC-ed.] provided an update to the Tinian radio scene. So strong were the winds that the concrete counter-weights on the curtain antennas were literally shaken to pieces. Feed lines and power lines were knocked down, and the curtain antennas became a mangled mess. Satellite dishes were either fragmented or blown away. Fortunately, the transmitters themselves were not damaged, though there has been some water seepage.

In a comment by the well-known Dr. Kim Andrew Elliott, he states that it would be wise for the United States to retain the usage of at least one of the two damaged shortwave stations (Tinian or Saipan) for Asian coverage. However, he added, the cost of rebuilding the stations might mean an opportunity for their permanent closure. Dr. Elliott is well known for his service in audience research with the **Voice of America**, his production of the former **VOA DX** program Shortwave Radiogram, and as an experienced international radio monitor.

So what will happen to the shortwave station on the Island of Tinian? Will it be restored to active service, or is it now gone forever? Only time will tell.

## Saipan

The island of Saipan in the Northern Marianas Islands is just 12 miles long and 6 miles wide, covering an area of 45 square miles. It is 120 miles north of Guam, and just 5 miles northeast from Tinian.

The highest elevation is a little over 1500 feet at Mount Tapochau, in the center of the island, which affords a 360 degree panoramic view of the entire island. The main road, Beach Road, extends the full length of the island running completely from south to north along the island's western side. Middle Road runs somewhat parallel to Beach Road, at least in the southern half of the island.

The main village is Garapan; the local language is Saipan Chamorro; the local weather is the least variable in the world, with temperatures normally in the low 80s; the total population is more than 50,000; and half a million tourists visit the island each year, mainly from nearby countries of Asia and from the United States mainland.

The first settlers from Asia arrived in Saipan more than 4,000 years ago; and the Spanish were the first Europeans to visit the island and to establish a colony. However, in 1899, the Spanish sold Saipan to Germany, together with other nearby islands, for \$4.5 million. Then, in 1914, Japan invaded the area and took over all of the Marianas, including Saipan.

During the year 1937, the famous American aviatrix Amelia Earhart began her historic eastbound flight around the world. While flying from New Guinea across the Pacific towards Hawaii, Earhart and her navigator Fred Noonan, became hopelessly lost. Based on direction finding of their post-loss radio signals and other verifiable data, they are now thought to have ditched on the reef of uninhabited Gardner Island, today known as Nikumaroro Atoll in the Phoenix Islands archipelago, part of the republic of Kiribati.

Some aviation historians claim that the two aviators were arrested by the Japanese and taken to Saipan Island. Tour guides on Saipan show a small building with several rooms in a row. This building was originally a local hospital, though the Japanese turned it into a prison.

They say that Amelia Earhart was held in one of these prison rooms and was subsequently executed. In this version of the mysterious disappearance of the pioneer pilot and navigator, it is stated that Fred Noonan died from dysentery. During the following year (1938), according to one report, the French Consul in Japan sent a message to Washington, DC, stating that Amelia Earhart had indeed been observed on Saipan Island.

So was she executed on Saipan, or is it true that she perished as a castaway on Gardner Island? I guess we will never know for sure.

Population statistics for Saipan at the time of the beginning of the Pacific War in December 1941 show that there were 5,000 Chamorro on the island, 25,000 Japanese settlers, and 30,000 Japanese servicemen. Three and a half years later, on June 15, 1944, American forces invaded Saipan; and three weeks later, they claimed victory.

In 1947, the Marianas Islands, including Saipan, were recognized as a United States Trust Territory. Then in 1986 these islands joined the United States as an American overseas territory.

On the radio scene, let's go back now more than half a century to March 14, 1954. On that date, a new mediumwave station was inaugurated, not on Saipan, but rather on the island of Guam, 120 miles to the south.

At 5:55 pm on that day, Sunday, March 14, an **American Forces Radio and Television (AFRTS)** station at Nimitz Hill on Guam signed off, for what they stated was the last time. Then 5 minutes later, at 6:00 pm on that same March 14 (1954) date, the new **KUAM** signed on with 1 kW on 610 kHz on this its official opening day as the island's first regular commercial broadcasting station.

Twenty-one years later, in 1975, the WRTH listed a new 100 kW shortwave station as a future plan for mediumwave **KUAM** on Guam. Give three more years and **KUAM** announced an alternative plan for further development; they would seek a power increase up to 50 kW and change frequency to 630 kHz. However, as the future unfolded, only one of these three plans was fulfilled; that is, they changed channel to 630 kHz, which fulfilled both the American requirement for 10 kHz spacing and the Asian requirement for 9 kHz spacing in the mediumwave broadcast band.

However, there was an alternative development that did fulfill the original concept of co-installing a 100 kW shortwave transmitter on Guam. Instead, the shortwave project for the island of Guam was transferred to the island of Saipan. Thus the planned shortwave **KUAM** on Guam in reality became shortwave

**KYOI** on Saipan. More about that next time; the story of the shortwave station in Saipan that has operated under three or four different callsigns.

*[More on Saipan in a future SWC in The Journal. -ed.]*

## SHORTWAVE OPINION

# The Robustness of Radio

by Paul Robinson

IBC 365 Newsletter

February 12, 2019

The rapid and turbulent changes in the media landscape in recent years have fundamentally changed online and television, but radio listening appears to be in rude health.

That's not to deny that there has been some modest decline in listening by young people, and increased competition from music streaming services such as Spotify, on-demand and catch up radio and podcasts.

It is hard not to bump into someone listening to audio on headphones as you get on the bus or train to work, and data from the UK indicates that over the last two years total hours spent listening to audio has gone up by 9% with linear scheduled radio still accounting for 74% of the total.

The rapid availability of high speed Internet and cheap digital storage has disrupted the free and pay television businesses forcing them to adapt.

The ingenuity of Ted Sarandos, who saw the business risk that a postal DVD business presented, that Netflix then was, and his abil-

ity to transform it into a digital on-demand video service, has been rewarded with 150 million paying customers worldwide. Netflix now spends more on content than any other Hollywood studio or broadcaster in the world.

Netflix hasn't gone into radio but Apple, another US behemoth has, and Beats, its radio service has poached DJ talent and production staff from broadcasters across Europe and the US. So far internet radio is still a minority taste, attracting a small percentage of total audio listening, although in Europe growing rapidly.

A bigger challenge for radio has been on line video and streaming music services. The latter now accounts for up to 10% of audio listening in Europe and Asia and a higher percentage amongst 15-24s.

Radio stations targeting younger listeners have all struggled with audience loss and have deployed various digital strategies to attempt to cope. Many youth stations have launched YouTube channels and most have active social media engagement strategies.

Amongst children YouTube is immensely popular because kids are freed from needing to seize control of the TV remote from adults and can catch watch online video for free on their tablets or mobile phones.

So compared to 20 or 50 years ago, although listening may now be via an app on a mobile, or streamed to a PC or on digital radio, and is much less tied to the transistor radio in the kitchen or bedroom clock radio, listening numbers and hours are no less strong.

This prompts the question why? In a world of disruption, and change why has radio withstood the television, Internet and digital revolution so well?

Part of the answer lies in the nature of the medium. Radio listening is something you can do whilst doing something else, be that driving, working, or relaxing. The fact that it doesn't require a screen gives it an edge. Perhaps even more important is its intimacy.

Most radio listening is done alone, making it a very personal medium. In research listeners describe how they form strong emotional relationships with hosts and presenters and even come to regard them as members of the family. As one listener claimed in BBC research "you invite this person into your home on a regular basis". It is not surprising then that radio is the most trusted medium for national news.

This makes radio a very significant force in helping to deliver active and informed citizenship and to supply accurate, impartial and objective news and current affairs reporting. Both the public service and commercial radio sectors take this obligation, and responsibility seriously, and the high level of trust accorded to most radio stations is a strong indicator that radio plays a major role in delivering such dialogue.

One of the drivers of lack of tolerance in society is lack of information. Most of the conflict in the world is ultimately a consequence of lack of tolerance, be it for reasons of diversity, fear, ignorance or propaganda. Radio

has a self-interest in fostering tolerance, and thereby peace because that is what listeners want, and therefore it makes sense from both a business point of view (commercial radio) and in delivering civic duty (public radio). And both sectors want to retain and maximize audience size.

There are exceptions, though, and outside journalist-delivered news and features and documentary programming, some stations use phone-ins as a staple of their content.

In the UK, LBC - once a London-only service, now national - has hired controversial and opinionated politicians as hosts, which have proven to be successful in audience terms. It is a subject of debate whether they have shone any light or merely delivered a lot of heat.

Advocates would argue that the callers act as a self-regulatory mechanism to balance partisan comments from the hosts, but others would say that the result is just ill-informed shouting and nay saying without any meaningful debate.


Ultimately, I believe that it has to be positive to get people having a dialogue about important issues and hopefully the listeners will make a considered and rationale judgement of their own from what they have heard.

Radio also does a huge amount to promote dialogue, tolerance and peace through its social action and charity programming.

In the UK, **Global Radio's** "Make Some Noise" and Bauer Media's "Cash for Kids" have raised tens of millions of GBP for disadvantaged children, young people and their families. Bauer also devotes significant resource to its mental health campaigns "Where's Your Head At" and the **BBC** runs social campaigns across its networks and local radio stations.

No one can predict the future. The accelerating rate of change makes forecasting a precarious business. Podcasting is growing and seems to be adding to the audio mix rather than cannibalising radio, and whilst there will be a continuing shift to on-demand listening there is no evidence that audio overall is in decline.

If audio can hang onto its unique features and retain its high listener trust, then its contribution to society will continue to be significant.

Paul Robinson is a director of consultancy Creative Media Partners Ltd and a former head of strategy **BBC Radio** and CEO of national commercial network **Talk Radio**. 

# Listener's Notebook

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Times are UTC and frequencies in kHz.

**AFGHANISTAN** Radio Afghanistan External Service on Feb. 2:

from 1615 on 6100 YAK Urdu, good (DX Mix-Bulgaria)

**ALASKA** KNLS change, cut 4 hours from Alaska and 4 hours from Madagascar from Feb. 1. This is due to the increase in electricity and diesel fuel (at Madagascar its diesel is, because local electricity supply with constant interruptions). The new summer A-19 season, starting from the end of March, will also be with reduced hours. (DX Mix-Bulgaria)

KNLS International (Rlg)

Chinese

0800-1000 daily 9610nls (ex 7355)

1000-1100 daily 9605nls (ex 7355)

1100-1200 daily 11610nls (ex 7355)

1300-1600 daily 11890nls (ex 7560)

1300-1400 daily 11785nls (ex 7320)

1600-1800 daily 11965nls (ex 7340)

English

0800-0900 daily 9710nls (ex 7370)

1000-1100 daily 9710nls (ex 7370)  
(WRTH Update)

**ARMENIA** Voice of Armenia is not heard on 4810 here in Sofia Bulgaria since 27 December 2018, despite of almost daily checking on freq - only India is on 4810, usually with nx & Spotlight in English at 1530-1600 daily followed by progr in Hindi language etc. I think the SW bcs of Armenia are already closed now. (Rumen Pankov-Bulgaria via wwdxc BC-DX TopNews Feb 6)

All transmissions of Voice of Armenia on SW 4810 are cancelled:

1530-1700 on 4810 ERV Assyrian/Greek/  
Kurdish/Yezidi

1700-1845 on 4810 ERV Turkish/Azeri/  
Persian/Arabic  
(DX Mix-Bulgaria)

Reception of FEBA Radio via ENC-DMS Yerevan on Feb. 8:

1730-1800 on 7510 ERV fair/good signal  
(DX Mix-Bulgaria)

**AUSTRALIA** Very good signal of Reach Beyond Australia in 19mb, Feb. 18:

1116-1131 on 15575 KNX English Mon-Wed/  
Fri  
(DX Mix-Bulgaria)

5055.00, 4ZK, typical programming hrd daily after 0930. Pop mx, EE, sometimes late after 1300. (Jim Young - CA) 5055, Radio 4KZ, on Jan 30, noted running past 1421+ (1406+ phone call-in show, etc.), whereas today on Jan 31, was clearly gone from 1311+ checking, so an unusually early cut off time. Some of the songs heard today (1123+) - Carole King with "So Far Away," Enya with "Orinoco Flow" (Sail Away) and the Oak Ridge Boys with "Elvira"; respectable signal. (Ron Howard-CA) Thanks for your email. Occasionally I turn off 5055 via my iPhone if there is any lightning about, as we don't have a standby transmitter. We also had to turn it off recently to replace a mains power breaker and the maintenance man forgot to put it back on the air. Happy listening and thank you for your valued feedback. Al Kirton. (Ron Howard-CA) 5055, Radio 4KZ, on Feb 18, at 1208, was able to ID song ("How Much Is That Doggie In The Window," sung by Patti Page); 1300, "National News," which was tantalizingly close to being fairly readable; several items made out (about Univ. of New South Wales; intruder into a house in Sydney's south-west died during a struggle with home owner, intruder was 35 years old; etc.); weather and cut off at 1305\*; certainly a good reception from my location. Feb 6, noted cut off at 1306\*, after the weather. (Ron Howard-CA)

15575, QSL, received an e-mail confirmation from Reach Beyond Australia for accepting English (Spotlight broadcast) - Jan 25, 2019, 1115-1130. The report sent by e-mail: b18@reachbeyond.org.au. In confirmation of the photograph - Beach Huts. Report response re-

ceived from Margaret Penford, Listener Correspondent. (Dmitry Kutuzov-Russia "den-eb-radio-dx" via RUSdx #1014 via wwdxc BC-DX TopNews Feb 3)

**AUSTRIA** Very good signal of Oesterreichischer Rundfunk, Feb. 8:

0600-0720 on 6155 MOS German Mon-Fri  
(DX Mix-Bulgaria)

Adventist World Radio via MBR Moosbrunn,  
Feb. 9:

0600-0700 on 11880 MOS Arabic, good  
(DX Mix-Bulgaria)

**BANGLADESH** Reception of Radio Bangladesh Betar in 31mb on Feb. 17:

1315-1345 on 9455 DKA Nepali, good signal  
(DX Mix-Bulgaria)

4750, Bangladesh Betar - HS, 1235-1243, Feb 11. Decent reception of the Monday only SAARC (The South Asian Association for Regional Cooperation) news bulletin in English; "Assalamu alaikum. This is Bangladesh Betar"; news items: India's Prime Minister has said his country is committed to good India-Bangladesh relations; in New Delhi, memo of understanding signed at the India-Bangladesh Joint Consultative Commission, by Minister for Foreign Affairs of Bangladesh; Bangladesh has asked for India's assistance with returning refugees to Myanmar; usual CNR1 QRM (// 6125), but not as heavy as usually heard; 1243 into Bangla. (Ron Howard-CA)

**BHUTAN** 6035, BBS, Jan 31, at 1030 - lecture in English about "reality," "evolution," "biological theory," etc.; 1039-1049\* with one long song (Bob Dylan with "Desolation Row"), cut off just before the end of the song. Approaching semi-readable! Jan 30, BBS at 1030 with

announcers in English; 1035 into pop songs (Lanco with "Greatest Love Story," etc.); \*1048-1049\* heard PBS Yunnan (assume FM99 relay) briefly came on and off again, in Chinese and mixing with BBS; Bhutan cut off at 1052\*, in mid-song. (Ron Howard-CA) 6035, BBS, Feb 1, reception poorer than recently noted; totally unreadable from 1035 till 1111\*. (Ron Howard-CA) 6035, BBS, on Feb 20, with extended schedule; all in English; 1019-1036, usual segment with announcers; 1036-1100, pop music segment (Bob Dylan with "Desolation Row," etc.); 1100-1107, news; C&W songs; 1120, warm greetings for a special program (mostly talking about their king and some indigenous music/singing); 1133, back to C&W songs; at \*1139 hit with strong QRM from the start up of PBS Yunnan (FM99 relay), also on 6035, making for unpleasant listening; so BBS was on 1139+ today. (Ron Howard-CA)

**BOLIVIA** I made a trip to Bolivia last November/December. Found out that Radio Paititi and Radio Mamore are no more, the owners shut down the stations and moved away according to ex-employees. (Walt Fair-TX)

**BOTSWANA** Frequency change of Voice of America via Selebi Phikwe:

0300-0500 NF 11925 BOT English, ex. 15580 (DX Mix-Bulgaria)

**BRAZIL** Radio Educadora in Guajaramirim shut down SW and now MW operation and is only on local FM. I stopped by Radio Educadora and found that out. (Walt Fair-TX)

4885, Radio Clube do Para, F/D eQSL in 97 days. E-mail: danielnx18@gmail.com. (Alexander Golovikhin-Russia/DX Fanzine)

6090, Radio Bandeirantes, Sao Paulo, Portuguese, on Jan 29 at 1742. Male communica-

tion 'Bandeirantes, programa "Radio Livre"'. TC, advertisements from Sao Paulo City. 35543. After 3 years, again a tx from R Bandeirantes in 49meterband. I initially assumed that it could be some recording, retransmitted by some pirate station, but the TC was synchronized with the local time. The facts commented also coincided with events of today. I looked for a R Bandeirantes tx in 840, or even 9645 and 11925, without success. 840 out of the air, without return of the other shortwave frequencies. (Rudolf Grimm-Brazil, hcdx Jan 30/TopNews)

6135, Radio Aparecida, QSL card from Cassiano Macedo in 2,5 months. Report in Portuguese to the following E-mail: contato@a12.com, producao@radioaparecida.com.br,, cassianomac@yahoo.com.br. (Ivan Zelenyi-Russia/DX Fanzine)

**BULGARIA** Reception of Mighty KBC Radio via SPL Secretbrod on Feb. 9:

1300-1400 on 11600 SCB English Sat, very good signal (DX Mix-Bulgaria)

Brother Stair via SPL Secretbrod in 31mb on Feb. 9:

1700-1945 on 9400 SCB English LIVE, good signal (DX Mix-Bulgaria)

**CHINA** Time Signal Station BPM, Feb. 1:

from 2100 on 5000 Shaanxi, fair signal (DX Mix-Bulgaria)

Very good signal of PBS Xinjiang in 75mb, Feb. 2:

from 1558 on 3990 URU Uyghur (DX Mix-Bulgaria)

Fair/good signal of Voice of Jinling on Feb. 20:

from 1355 on 6200 NJG Chinese  
(DX Mix-Bulgaria)

4905, Holy Tibet Radio, F/D QSL card "Potala Palace in Lhasa" in 104 days. E-mail: holytibetprogram@163.com. (Alexander Golovikh-in-Russia/DX Fanzine)

4940, Voice of Strait, 1430-1455, Feb 2 (Saturday), with the weekend "Focus on China" program; all about the upcoming Chinese New Year (Spring Festival) preparations throughout China (this year is on Feb 5); 1451 closing program ID and pop song; 1455 into Chinese; fairly readable. (Ron Howard-CA)

5050, Beibu Bay Radio, F/D QSL card in 26 days for e-report to: yinglian@cri.com.cn. (Jürgen Waga-Germany/DX Fanzine)

6035, PBS Yunnan, relay of FM99, on Feb 11, with \*1139, suddenly on with music; recently observed consistent \*1139 start up time. (Ron Howard-CA) 6035, PBS Yunnan, relay of FM99. As I have recently been reporting, FM99 starts at \*1139 and today (Feb 13), noted them still on the air at 1612; fair-good reception. (Ron Howard-CA)

7210, PBS Yunnan (ethnic minority broadcasting), on Jan 31, at 1056, with the usual IS of a non-stop loop of EZL instrumental music till 1100; heard well above the QRM. (Ron Howard-CA)

**CLANDESTINE** New clandestine via TDF Issoudun - Radio Sinit Eritrea:

0500-0600 on 9540 ISS Tigrinya/Arabic Sat  
(DX Mix-Bulgaria)

Radio Sinit Eritrea (New Entry) E: info@radiosinit.net W: www.radiosinit.net; www.facebook.com/RadioSinit Winter Schedule 2018-2019

0500-0530 Sat 9540iss Tigrinya  
0530-0600 Sat 9540iss Arabic  
(WRTH Update)

Reception of Koode Radio International via TDF Issoudun on Feb. 16:

1900-1930 on 7265 ISS Nigerian Fulfulde,  
good signal  
(DX Mix-Bulgaria)

Koode Radio International (New Entry) E: kri@kooderadio.com W: www.kooderadio.com

Winter Schedule 2018-2019 in Fulfulde

1900-1930 daily 7265iss (WRTH Update) The station is based in Abuja, Nigeria. Web site <https://www.kooderadio.com>. E-mails to kri@kooderadio.com. According to the web site the daily shortwave broadcast started on 26 December and is aimed at the 70 million Fulfulde speakers in West Africa. (British DX Club) Usman Shehu (usman.shehu@gmx.net), the CEO of Koode Radio International is verifying reports. (RAD)

Radio Dap Loi Song Nui (Radio DLSN) / Vietnam Democracy Radio, is a new station operating on 9670 at \*1230-1300\* in Vietnamese. Shortwave broadcasting appears to have commenced on Feb 12, 2019. The station can be reached at Vietnam Democracy Radio (VDR), P. O. Box 612882, San Jose, CA 95161 or email: lienlac.dlsn@gmail.com. (WRTH Facebook and Ron Howard-CA)

New on shortwave is Radio Dap Loi Song Nui  
Radio DLSN via Tamshui tx:

1230-1330 on 9670 TSH Vietnamese Vietnam  
Democracy Radio  
(DX Mix-Bulgaria)

New schedule of Dimtse Radio Erena via SPL  
Secretbrod:

1700-1730 on 9720 SCB Tigrinya Daily  
1730-1800 on 9720 SCB Arabic Mon/Wed/Fri  
1730-1800 on 9720 SCB Tigrinya Tue/Thu/  
Sat/Sun  
(DX Mix-Bulgaria)

Eye Radio recovers morning transmission on  
shortwave from Feb. 21:

0400-0500 NF 7340 ISS Juba Arabic\* Mon-  
Fri, ex 11620

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

\*including other languages: English; Din-  
ka; Nuer; Shilluk; Bari; Zande; Lutoho (DX  
Mix-Bulgaria)

Reception of Voice of Oromo Liberation via  
MBR Nauen, Feb. 20:

1700-1730 on 9610 NAU Afan Oromo Wed as  
scheduled

1730-1800 on 9610 NAU Afan Oromo Wed, NOT  
Amharic

(DX Mix-Bulgaria)

Extended program of Dandal Kura Radio Int  
via MBR Issoudun, Feb. 16:

0700-0830 on 13590 ISS Kanuri, very good,  
ex 0700-0800

1800-1900 on 9770 ISS Kanuri  
(DX Mix-Bulgaria)

Radio Ndarason International via Ascension  
& Woofferton, Feb. 18:

0500-0700 on 5960 ASC Kanu-  
ri, weak to fair signal

0700-0800 on 13810 WOF Kanu-  
ri, fair to good signal

(DX Mix-Bulgaria)

Radio Ndarason International via ENC-DMS  
Ascension, Feb. 16:

1800-2100 on 12050 ASC Kanuri, good signal  
(DX Mix-Bulgaria)

Reception of Radio Xoriyo Ogaden via MBR  
Issoudun on Feb. 19:

1600-1630 on 11970 ISS Soma-  
li Tue/Sat, very good

(DX Mix-Bulgaria)

From the several weeks no signal of Voice of  
Amara Radio via Issoudun:

1700-1800 on 15360 ISS Amharic Mon/Wed/  
Sat-probably deleted

(DX Mix-Bulgaria)

Frequency change of Voice of Tibet, Feb. 5:

2300-2330 NF 7495 DB Tibetan, ex 7496

2330-2400 NF 7485 DB Tibetan, ex 7484

(DX Mix-Bulgaria)

Frequency change of Voice of Tibet, Feb. 14:

1335-1400 NF 9900 DB Tibetan, 9904

(DX Mix-Bulgaria)

Radio Erena (Re-installed Entry) E: radioer-  
ena@gmail.com; radioerena@yahoo.com W:  
www.eren.org

## Winter Schedule 2018-2019

1700-1730 daily 9720sof Tigrinya  
1730-1800 Mon/Wed/Fri 9720sof Arabic  
1730-1800 Tu/Th/Sat/Sun 9720sof Tigrinya  
(WRTH Update)

Sowt Al-Somood (Voice of Steadfastness) (Ex Almoody)

Revised complete schedule

1500-1520 Sat 17545iss Tigrinya  
1520-1600 Sat 17545iss Arabic  
(WRTH Update)

Radio Warra Wangeelaa-ti via SPL Secretbrod on Feb. 9:

1500-1502 on 15515 SCB Oromo Sat, good signal  
from 1502 on 15515 SCB open carrier/dead air &  
from 1520 on 15515 SCB transmitter is off air  
(DX Mix-Bulgaria)

Denge Welat via Grigoriopol and Issoudun, Feb. 11:

0600-1500 on 11530 KCH Kurdish, very good  
1500-1600 on 11530 ISS Kurdish, very good  
(DX Mix-Bulgaria)

Frequency changes of JSR Shiokaze Sea Breeze from Feb. 14:

1300-1400 NF 6085 YAM, ex 7345 as follows  
1300-1330 Chinese Mon; Japanese Tue/Sat;  
Korean Wed/Fri/Sun; English Thu and 1330-  
1400 Korean Mon/Wed/Fri/Sat; Japanese  
Tue/Sun; English Thu

1405-1435 NF 6085 YAM Japanese Daily, ex 7295

1600-1700 NF 7440 YAM, ex 6095 as follows  
1600-1630 Chinese Mon; Japanese Tue/Sat;  
Korean Wed/Fri/Sun; English Thu 1630-1700  
Korean Mon/Wed/Fri/Sat; Japanese Tue/Sun;  
English Thu (DX Mix-Bulgaria)

9975, Furusato no Kaze via T8WH, F/D QSL-letter, Frequency schedule in Japanese and Korean, in 113 days. E-mail address: info@rachi.go.jp. (Alexander Golovikhin-Russia/DX Fanzine)

**COLOMBIA** Good news from Ray Rising and Glenn Smith re SWBC broadcasting down in LA. They are working to get more stations operating, including bringing back both religious HJs with new 1 kW solid state xmtrs, Conciencia 6010 and Alcaravan 5910. Not sure how far along they are, but they say they are still raising funds for these two. Waiting for a license for a SW station in Pucallpa, Peru, on fqy of 4970. First request for license was rejected so the second is being done under the auspices of an indigenous organization. "This can take years," says Ray. (Ralph Perry-IL)

**CONGO** 6210.19, Radio Kahuzi, Bukavu, 1640-1710, 18-01, French, comments, mentioned "Congo", "Les Congolais", at 1700 English, religious comments. At first fair signal but now deteriorated and became almost inaudible. (Via Manuel Méndez-Spain Hard-Core-DX mailing list) Article from stations website in Station News. (New Zealand DX Times)

**DENMARK** Stig Hartvig Nielsen reports on the WRTH F\_B group. 8 February 2019 World Music Radio on air today Saturday and tomorrow Sunday on 15805 at 0700-2000. Power is only 0.2 kW - so probably the weakest station on the 19 meter band. Not an easy DX catch. So far only six reception reports for 15805 have been received: Two from Spain and one from these countries: Greece, USA,

Russia and Ukraine. Addresses for reception reports are: wmr@wmr.dk and World Music Radio, P.O.Box 112, DK-8960 Randers S+, Denmark. www.wmr.radio. (via Mike Terry-UK, BrDXC-UK ng Febr 9/TopNews)

5825, Radio OZ-Viola, F/D eQSL in 2 hours. E-mail address: jansteendk@hotmail.com. (Roberto Pavanello-Italy/DX Fanzine)

5840, World Music Radio, eQSL in 17 days. Report in English to: wmr@wmr.dk. (Christian Ghibaud-France/DX Fanzine)

**EGYPT** Mystery Egyptian Music Station on 9400 on Feb. 6:

0920-0925 on 9400 unknown tx, weak signal (DX Mix-Bulgaria)

**ENGLAND** FEBA Radio / Radio Sama via ENC-DMS Woofferton, Jan. 28:

1700-1830 on 9775 WOF Arabic, very good (DX Mix-Bulgaria)

Radio Akhbar Mufriha via ENC-DMS Woofferton, Feb. 10:

2100-2115 on 7300 WOF Tachelhit  
2115-2145 on 7300 WOF Arabic  
(DX Mix-Bulgaria)

Reception of KBS World Radio via ENC-DMS Woofferton on Feb. 8:

0700-0800 on 6045 WOF Korean, very good signal  
(DX Mix-Bulgaria)

FEBA Radio / Radio Sama via ENC-DMS Woofferton, Feb. 8:

0800-0830 on 15260 WOF Arabic, very good (DX Mix-Bulgaria)

**ESWATINI** Reception of Trans World Radio Africa in 25mb, Feb. 12:

1500-1530 on 11780 MAN Somali, fair/good (DX Mix-Bulgaria)

Very good signal of Trans World Radio Africa, Feb. 18:

1557-1627 on 15105 MAN Kirundi Mon-Fri (DX Mix-Bulgaria)

Reception of Trans World Radio Africa in 31mb on Feb. 19:

1802-1832 on 9500 MAN English, fair/good  
1905-1935 on 9940 MAN Lingala, very good (DX Mix-Bulgaria)

**ETHIOPIA** Good signal of Radio Amhara in 49mb on Feb. 2:

from 2038 on 6090 GDR Amharic (DX Mix-Bulgaria)

**FRANCE** Sawtu Linjilia/Voice of Gospel via MBR Issoudun on Feb. 21:

1830-1900 on 9800 ISS Fulfulde Mon-Thu, good  
(DX Mix-Bulgaria)

Reception of Telediffusion d'Algerie via TDF Issoudun on Feb. 6:

2100-2159 on 5940 ISS Arabic Holy Quran, very good  
2100-2159 on 6040 ISS Arabic Holy Quran, fair/good  
2200-2259 on 6040 ISS French & Arabic HQ-fair/good  
(DX Mix-Bulgaria)

Radio Nigeria Kaduna via TDF Issoudun now only 3 hours per day:

0500-0700 on 7335 ISS Hausa  
0700-0800 on 13840 ISS Hausa  
0800-0900 on 13840 ISS Hausa, inactive at present  
0900-1500 on 17690 ISS Hausa, inactive at present  
2000-2300 on 7235 ISS Hausa, inactive at present  
(DX Mix-Bulgaria)

Deutsche Welle (DW) (Pub) in Amharic

1600-1700 daily 11995iss ex 15275  
(WRTH Update)

Adventist World Radio via MBR Issoudun,  
Feb. 9:

0600-0630 on 7375 ISS French, good  
(DX Mix-Bulgaria)

Reception of Radio France International in  
31mb, Feb. 14:

1900-2000 on 9580 ISS French, fair/good  
1900-2000 on 9635 ISS French, very good  
(DX Mix-Bulgaria)

**GERMANY** Fair signal of DWD Deutscher Wet-  
terdienst on Jan. 30:

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

Bible Voice Broadcasting Dardasha 7 via MBR  
Nauen, Feb. 8:

0600-0615 on 9440 NAU Arabic, good  
(DX Mix-Bulgaria)

Reception of New Shortwave Radio in 75mb  
on Feb. 1:

from 2055 on 3975 WIS English, good  
(DX Mix-Bulgaria)

Hamburger Lokalradio relay PCJ Media Net-  
work Plus, Feb. 2:

from 0721 on 6190 GOH English Sat, good  
(DX Mix-Bulgaria)

Very good signal of Radio Free Asia, Feb .2:

1200-1300 on 11555 BIB Tibetan  
(DX Mix-Bulgaria)

Reception of Deutsche Welle DW via MBR  
Nauen on Feb. 8:

0630-0700 on 9830 NAU Hausa, very good  
(DX Mix-Bulgaria)

Frequency change of VOA Radio Ashna via  
Lampertheim:

1630-1730 on 9975 LAM Pashto, ex 9480  
(DX Mix-Bulgaria)

Reception of Adventist World Radio via MBR  
Nauen, Feb. 10:

1000-1100 on 9610 NAU Italian Sun, very  
good  
(DX Mix-Bulgaria)

Reception of Pan American Broadcasting via  
MBR Nauen on Feb. 10:

1430-1445 on 11800 NAU English Sun, very  
good signal  
(DX Mix-Bulgaria)

All transmissions of Gospel For Asia/Ath-  
meeya Yatrahe Radio via Media Broadcast  
Nauen are cancelled again: 1230-1500 on  
15285 NAU Asian langs

1330-1530 on 15235 NAU Asian langs  
1530-1630 on 15150 NAU Asian langs  
2330-0030 on 7380 NAU Asian langs

0030-0130 on 7410 NAU Asian langs  
(DX Mix-Bulgaria)

**GUAM** Very good signal of KTWR Trans World Radio Asia on Jan. 31:

1351-1430 on 9975 TWR Cantonese Mon-Fri  
(DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in 31mb on Feb. 9:

1230-1300 on 9910 TWR English Sat, very good  
(DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in 31mb on Feb. 3:

1145-1200 on 9975 TWR Chinese, very good  
(DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in 31mb on Feb. 10:

1102-1146 on 9910 TWR Chi/Eng Sun, fair  
(DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in 31mb on Feb. 16:

1128-1158 on 9910 TWR Jap/Eng Sat, fair  
1230-1300 on 9910 TWR English Sat, good  
(DX Mix-Bulgaria)

**GUATEMALA** I received an email response and verification from Radio Verdad 24 hours after being sent. The station manager, Dr. Edgar Amilcar Madrid, advised me that they no longer have a postal address and will verify via email. I received a group picture of the station staff, their 2019 calendar and verification of reception. Currently running 800W on 4055. Not sure if you were aware of this. (Ed Cichorek-NJ)

**INDIA** Reception of All India Radio AIR in 31mb on Feb. 13:

1135-1140 on 9620.0 ALG English, good  
1135-1140 on 9949.8 DEL English, fair  
(DX Mix-Bulgaria)

4760 and 6000, AIR Leh on air on SW. I contacted AIR Leh today regarding non reception of their SW frequencies lately. I was informed that their SW transmitter is indeed on air, but with low modulation. (Jose Jacob VU2JOS-India DXindia Jan 24/TopNews)

4895.00, AIR India, Kurseong (presumed), 1/26/19 \*1117 sign/on of strong carrier, but no audio hrd through 1154. 1/27/19 O/C with no audio hrd at 0103, with nothing at 0129 at all. (Jim Young-CA) 4895, on Jan 31, heard no signal 1053+ from Mongolian Radio 1, nor any signal from AIR Kurseong, from random checking (1203-1342). (Ron Howard-CA) 4895, AIR Kurseong reactivated I contacted AIR Kurseong just now and the info is that they are back on SW from 1 January 2019 after being off air (on SW) for some months. Currently they are on air for the morning transmission only on 4895 at 0055-0400 (Sat Sun 0430). After about 10 days they will be on in the evening hours also on 4895 at 1130-1700 (Sat, Sun 1741). After about 20 days they will be on the daytime frequency of 7230 at 0620-1030. The transmitter is of 50 kW but it is being operated now at 30 kW. (Jose Jacob, DX\_India 16 Jan/British DX Club) 4895, AIR Kurseong, 1216-1235, Feb 21. Back on the air again; started out very weak, but improved; 1230-1235, news in English, with the New Delhi audio feed; unreadable; only the news was // to a stronger AIR Jey-pore (5040); best in LSB due to Voice of Strait on 4900. Great to have them back again! No Mongolia noted here today. (Ron Howard-CA)

4970.00, AIR India, Shillong (presumed, but haven't hrd in our mornings). Weak carrier at 0105, no audio, and gone by 0127 check. (Jim Young-CA)

**INDIA (GOA)** 4835.00, AIR India, Gangtok 1/27/19 \*0051 sign/on with good audible TS to 0058...then clear IS till 0100, mx, Hindu anmts to 0102, then some Indian mx. Audio poor when in prgm, but TT and IS were quite good. (Jim Young-CA)

**INDIA (KASHMIR)** 4950.00, AIR - Srinagar (presumed), 1/24/19 0131 with M talking in language, Indian singing, breaks, till 0148. Then what sounded like an ad, with a jingle, then talking till 0155. Muffled audio sounds, or audio clipping. Marching type mx briefly at 0201. Signal weaker, and 0215\*. 1/27 weaker audio noted at 0104, talking at 0128, possible newscast at 0130 to 0136, when prgm into hindu singing music. (Jim Young-CA)

**INDIA (SIKKIM)** 4835, AIR Gangtok, 1206-1211, Feb 3. Very nice to have some actual audio here! Non-stop repetitive indigenous singing/chanting; today the audio was good, without the often heard strong hum. Clearly Ozy Radio remains silent here. There are not that many days here that I have audio above threshold level. Gangtok sunset today was at 1148. (Ron Howard-CA)

**ITALY** Time Signal Station ItalCable on Jan. 31:

from 1145 on 10000 CUSB Italian, fair signal (DX Mix-Bulgaria)

Italian Broadcasting Corporation: Shortwave transmissions have stopped. (WRTH Update)

**JAPAN** NHK World Japan Network Radio Japan via Yamata on Feb. 10:

2130-2200 on 6075 YAM Indonesian, fair (DX Mix-Bulgaria)

**KOREA (NORTH)** Fair to good signal of Voice of Korea on Feb. 2:

from 1611 on 9890 KUJ English (DX Mix-Bulgaria)

**KOREA (SOUTH)** Good signal of Echo of Hope in 60mb, Feb. 2:

from 1549 on 4885 SEO Korean (DX Mix-Bulgaria)

5920, Voice of Freedom, Feb 1, with the end of audio at 0805, after the song "aleumdaun nala" (Beautiful Country); then open carrier remained on as usual till 0858, with start of musical instrumental by Yang Bang Ean - "Frontier"; usual heavy N. Korea jamming the whole time, even with just VOF open carrier. (Ron Howard-CA)

**KUWAIT** Reception of MOI Radio Kuwait in Filipino in 16mb, Jan. 28:

1000-1200 on 17760 KBD Filipino, fair/good (DX Mix-Bulgaria)

Good signal of MOI Radio Kuwait in English, Jan. 30:

0500-0800 on 15529.7 KBD English  
0800-0805 on 15529.7 KBD Farsi unscheduled (DX Mix-Bulgaria)

**KYRGYSTAN** Good signal of Kyrgyz Radio 1 in 75mb, Feb. 2:

from 1555 on 4010 BI Kyrgyz (DX Mix-Bulgaria)

5129.946, measured on Feb 11 noted Afghan Christian Radio at 1700, was Kyrgyztelekom at Krasnaya Rechka Bishkek the small limited 15 kW TX unit. Scheduled religious in Dari/Persian 15-18. (Wolfgang Bueschel-Germany)

**LIBERIA** 6050, ELWA Radio, from Monrovia Liberia, at 0647-0655 on Feb 21, English, religious comments, "Back to the Bible". 25432. (Manuel Mendez-Spain/PlayDX)

**MADAGASCAR** Reception of Madagascar World Voice KNLS New Life Station, Feb. 5:

1800-1900 on 11885 MWV Russian tx#2,  
very good signal

1900-2000 on 9690 MWV Russian tx#3, fair/  
good signal  
(DX Mix-Bulgaria)

Reception of Madagascar World Voice African Pathways Radio, Feb. 5:

1800-1900 on 13670 MWV English tx#3, very  
good signal

2000-2100 on 11965 MWV English tx#3, fair/  
good signal  
(DX Mix-Bulgaria)

Reception of Madagascar World Voice Radio Feda on Feb. 5:

1900-2000 on 11965 MWV Arabic tx#2, very  
good

2000-2100 on 13710 MWV Arabic tx#2,  
weak/fair  
(DX Mix-Bulgaria)

Reception of Madagascar World Voice The Light of Life, Feb. 5:

2100-2200 on 11610 MWV Chinese tx#2, good  
signal

(DX Mix-Bulgaria)

5009.933, seldom heard low power domestic station R. Madagasikara, Antananarivo. At 0244 on Jan 31, on remote units at MA, NJ US states, and Edmonton Alberta SDR's, poor S=5 or -91dBm fluttery signal, nice music program. Noted on remote SDR stns in Hiroshima

and Tokyo Japan. (Wolfgang Büschel-Germany, wwdxc BC-DX TopNews Jan 31)

11705, Radio Tamazuj, via Talata Volonondry, F/D QSL card in 22 days. E-mail address: radiotamazuj@gmail.com. (Roberto Pavanello-Italy/DX Fanzine)

**MALAYSIA** 9835, received e-QSL from RTM for receiving Sarawak FM radio station 24 Jan 2019, 1630-1655 via Kajang site. Card number 07-2019. The report was sent by e-mail to the address: roziyati@rtm.gov.my. Confirmation received from Unit Pengukuran & Kualiti, Seksyen Teknikal Rangkaian Kajang from the address: unit\_pnk\_kajang@protonmail.com. Promised to send and paper QSL. (Dmitry Kutuzov-Russia "deneb-radio-dx" via RUSdx #1014 via wwdxc BC-DX TopNews Feb 3)

**MALI** Radio Mali, Bamako, was noted on 9635 at 1110 on 3 February with Malian kora music using a remote SDR in the Canary Islands. The signal and audio modulation was surprisingly good, better than I have heard from Mali for many years. The audio was cut at 1120 and the transmitter went off the air shortly afterwards. (Dave Kenny-UK/British DX Club)

**MOLDOVA** Let me tell you about our radio center. Radio center works round the clock and seven days a week. It is located almost on the eastern border between Moldova and Ukraine. Our transmitters broadcast programs of different stations on short and medium waves. As you probably already understood, we are not Radio Denge. We just broadcast their program. We ourselves do not know any details about this radio station. In our address come reception reports from different countries – from Europe, America, Asia, Africa, Japan, Australia and New Zealand. (Sergey Omelchenko, Technical Director of Pridnestrovsky Radiotelecentr)

Trans World Radio Africa via ENC-DMS Grigoriopol, Feb. 12:

1800-1845 on 7245 KCH Tigrinya, good signal (DX Mix-Bulgaria)

**MYANMAR** 5985, Myanmar Radio, 1530, Feb 2. Fair signal with intro to segment in English; "Good evening dear listeners. This is Myanmar Radio. We are broadcasting our final transmission for today, radiating on 5985 kHz., 50.13 meters, 576 kHz., 520 meters and 594 kHz, 505 meters. Now you can hear the news"; news and "weather news"; 1543 "music from around the world." Very enjoyable reception today. Certainly one of their better days. (Ron Howard-CA) 5985, noted Myanmar Radio, Feb 1, underneath a strong NHK, with sign on at \*1129, with indigenous theme music (with NHK 1130\*) and at 1130 announcer in vernacular. (Ron Howard-CA) 5985, Myanmar Radio, 1559-1604, Feb 13. The Wednesday only edition of "VOA Special English," with "Huge rocks from outer space, or asteroids, are falling from the sky more than they have in the past"; five minute show; good signal today, so able to still hear program even after the CRI sign on at \*1559; the former VOA time slot for this show (1540+) is now all music programs (today with songs from movies). (Ron Howard-CA)

7345, Thazin Radio, Feb 1, heard start of test tone at \*1026, which stopped at 1030, to start their program. (Ron Howard-CA)

**NEPAL** 5005, Radio Nepal (presumed), 1049-1118\*, Feb 3. Definite, prominent carrier, but no trace of any audio; this closely fits their schedule and conforms to what Indian DXers have recently reported. (Ron Howard-CA)

**NEW ZEALAND** Frequency changes of Radio New Zealand Pacific from Feb. 12:

2051-0358 NF 13840 RAN English, ex 15720  
0359-0458 NF 13840 RAN English, ex 13730  
0459-0658 NF 11725 RAN English, ex 13730  
1059-1258 NF 7330 RAN English, ex 9700  
(DX Mix-Bulgaria)

Changes of Radio New Zealand Pacific on 9765/7330 AM mode:

0659-0758 on 9765 RAN English, ex 0659-1058  
0759-1258 on 7330 RAN English, ex 1059-1258  
(DX Mix-Bulgaria)

**NIGERIA** New shortwave - Radio Nigeria Abuja on 15120v, Feb. 14:

from 1415 on 15119.9 AJA Hausa, very good  
(DX Mix-Bulgaria)

Fair signal of Voice of Nigeria in English, Feb. 5:

from 1805 on 9689.9 AJA English  
(DX Mix-Bulgaria)

New broadcast of Voice of Nigeria in English, Feb. 10:

1630-1800 on 9689.9 IKO English, good  
(DX Mix-Bulgaria)

Good/weak signal of Voice of Nigeria in Hausa&Fulfulde, Feb. 19:

0600-0700 on 7254.9 AJA Hausa, B18 as  
scheduled  
0700-0730 on 7254.9 AJA Fulfulde, not in  
French  
0730-0800 on 7254.9 AJA Fulfulde, as scheduled  
(DX Mix-Bulgaria)

**OMAN** Reception of Radio Sultanate of Oman / Oman FM 90.4 MHz on Feb. 18:

1400-1508 on 15140 THU English, very good signal  
from 1508 on 15140 THU Arabic, very good signal  
(DX Mix-Bulgaria)

9540, 0330, Radio Sultanate of Oman w/time pips, EE DJ announcing as 'The Nation's Station' pop music. Poor, improving signal, best on USB to avoid Cuba 9535. Closed abruptly just before 0400 20/1. (Bryan Clark-New Zealand/New Zealand DX Times)

**PALAU** Reception of World Harvest Radio International T8WH Angel 3, Feb. 10:

1200-1300 on 9930 HBN English Sat/Sun, good signal  
(DX Mix-Bulgaria)

**PAPUA NEW GUINEA** Reintroduce shortwave band to reach rural areas. Member for Nuku Joseph Sungi has called in the National Broadcasting Corporation to reintroduce the short wave band to reach the rural people. January 31, 2019, By Isaac Nicholas. Member for Nuku Joseph Sungi has called in the National Broadcasting Corporation to reintroduce the short wave band to reach the rural people. Mr Sungi in a series of questions to Minister for Communication and Information Technology Sam Basil said in the late 1980s, the NBC at the time through the provincial radio stations was using the shortwave band. He said Radio Sandaun in West Sepik could reach districts like Nuku and parts of Telefomin but that was not the case anymore. "Does the minister and the department have any plans to make sure that same service under short wave band can be replaced by a new one or improvement can be made so that provincial radio stations can be revived and broadcasted straight so that remote parts

of PNG can use to get news and update on what is happening around the country?" Mr Sungi said. Mr Basil, who is also responsible for Energy, said a lot of people in the rural areas were asking the same question because they could no longer have access to NBC radio. "When I took over I was surprised that many radio stations that transmit on shortwave 1 and 2 but that had been done away with." He said the frequency has been divided and given to other users like mobile companies to use. "I have had discussions with the managing director of NBC and I told them that we want that service to return. We are now moving the system at NBC from analogue to digital so I asked them how we can fit in the short wave system when we do the migration. "They came up with a few ideas. For some places like Bougainville shortwave is available. "But I asked them how can we asked the shops to start selling shortwave 1 and 2 transistor radios that receive this wireless signal, a lot of shops are not selling, In places like Bougainville we want to import some radios to distribute so that they carry out the awareness." "We are now talking about bringing back these services and improvement. "We will start in Port Moresby first and roll out to provinces, We are trying our very best to bring the service back because most of our people are in rural areas, A lot of our radio stations now invest into FM band which signals of often blocked by barriers like mountains that is why we want to bring back the shortwave band," Mr Basil said. (PNG Post Courier/TopNews)

3260, NBC Madang, Maus Blong Garamut (Voice of Indigenous Drums), 1140-1204\*, Feb 3. In Pidgin, with Pacific Islands music/singing; audio suddenly ended at 1145 and didn't come back again; 1204\* transmitter off. Rare that they have this problem! BTW - NBC Bougainville (3325) was off the air during the same time period Feb 3. (Ron Howard-CA)

**PAPUA NEW GUINEA (BOUGAINVILLE)** 3325, NBC Bougainville (Maus Blong Sankamap), 1142-1202, Feb 1. DJ in Pidgin with pop music (song "The Tide Is High," Elvis Presley with "His Latest Flame," etc.); local time checks; 1159 full ID and SW frequency; 1202 audio ended, but seemed that open carrier continued on (not VOI); no problem with VOI QRM. (Ron Howard-CA) 3325, NBC Bougainville (Maus Blong Sankamap), 1048, Feb 12. Political speeches; 1100-1111 NBC news in English; significant Voice of Indonesia QRM (in English till 1100, then into Chinese). Feb 11, on 3325, noted NBC, 1053+, with mostly political speeches; 1105-1115 news; 1145 pop songs (LeAnn Rimes - "How Do I Live?", etc.); cut off at 1157\*, leaving VOI heard with weak carrier. Comment - Really is sad to have NBC and VOI both still here mixing together, when most of the 90m band is empty of any stations. (Ron Howard-CA)

**PERU** 5025, Radio Quillabamba. Feb 9 at 0131-0150. Programa de discusion politica acerca de la validez de los juicios y la Constitucion. SINPO: 45444. (Claudio Galaz-Chile, hcdx Feb 14/TopNews)

**PHILIPPINES** Good signal of FEBC Manila in 31mb, Feb. 2:

from 1255 on 9275 BOC Chinese  
(DX Mix-Bulgaria)

Good signal of FEBC / Radio Teos in Ukrainian on Feb. 10:

1500-1600 on 9920 BOC Russian/Ukrainian Sun. Wrong announcement summer frequency 11650, instead of winter 9920. (DX Mix-Bulgaria)

FEBC Radio with English announcement on Feb. 10:

2300-2330 on 9450 BOC Iu Mien, good  
(DX Mix-Bulgaria)

Reception of Vatican Radio via IBB Tinang on Feb. 10:

2315-2400 on 9580 PHT Vietnamese, fair  
signal  
(DX Mix-Bulgaria)

6145, received a QSL card from the Russian edition of Vatican Radio for receiving - 21 Dec 2018, 1230-1249 via the transmitter on IBB Tinang Philippines. On the card is a chapel in the Palazzo Pio. The report sent e by mail: russo@spc.va. (Dmitry Kutuzov-Russia "deneb-radio-dx" via RUSdx #1014 via wwdxc BC-DX TopNews Feb 3)

12120, received electronic QSL from IBB Philippines Transmitting Station for receiving Voice of America in Chinese language at 25 Jan 2019, 1400-1500. The report was sent by email: manager\_philippines@bbg.gov. A reply was received from Salvador Galang from the address: BGALANG@usagm.gov. Confirmation on the Voice of America card with a photo of an IBB antenna in {UdornThani} Thailand. (Dmitry Kutuzov-Russia "deneb-radio-dx" via RUSdx #1014 via wwdxc BC-DX TopNews Feb 3)

**ROMANIA** Reception of IRRS EGR/UNR via RADIOCOM Săftica, Feb. 10:

1030-1300 on 9510 SAF English Sun, fair/good  
(DX Mix-Bulgaria)

Frequency changes of Radio Romania International in English:

0400-0456 NF 11790 TIG English DRM, ex 9820  
0400-0456 NF 15400 GAL English AM, ex 11790  
(DX Mix-Bulgaria)

**RUSSIA** Republic of Adygea. In the winter season, the Adygeya State TV and Radio Company broadcasts broadcasting programs on short waves according to the following schedule: - on Mondays from 6 pm to 7 pm in the Adyghe, Arabic and Turkish languages; - on Fridays from 6 pm to 7 pm in the Adyghe language; - on Sundays from 19.00 to 20.00 in the Adyghe language All broadcasting is conducted at a frequency of 6000, the transmitter power is 100 kW, the azimuth is 188 degrees. The site of the GTRK "Adygea": <http://www.adygtv.ru/programs/radio-in-oveshchanie/> broadcasted /. (Magazine "Radio" # 02/2019, Radio reception. V. Gulyaev. Broadcast news.) (Anatoly Klepov, RUS-DX # 1015/Shortwave Bulletin)

Weak/fair/good signal of GTRK Adygeya / Adygeyan Radio, Feb. 18:

1800-1900 on 6000 ARM Adygeyan/Arabic/  
Turkish  
(DX Mix-Bulgaria)

**SAO TOME** Reception of Voice of America via Pinheira in 60mb, Feb. 1:

2030-2100 on 4960 SAO Hausa Mon-Fri, good  
signal  
(DX Mix-Bulgaria)

**SAUDI ARABIA** Additional frequency of BSKSA Radio Riyadh in 41mb:

0300-0600 on 7410 RIY Arabic Holy Quran  
(DX Mix-Bulgaria)

New schedules of BSKSA Republic of Yemen Radio & BSKSA Al-Azm Radio:

0000-2400 on 11860 JED or RIY Arabic Rep.  
of Yemen Radio, ex 0855-0655  
0855-0655 on 11745 JED or RIY Arabic BSKSA Al-Azm Radio, ex 0000-2400  
(DX Mix-Bulgaria)

**SOMALIA** Warsan Radio heard on 7750 with Horn of Africa music from tune-in at 1739 on 18 January. Appears to be using USB or carrier+USB mode as I could hear nothing in LSB and audio quality is much better in USB than in AM Narrow mode. At 1808 man announcer in what sounds like Somali. Per WRTH sign off should be at 1930. (Jordan Heyburn using remote SDR receiver in Finland/British DX Club)

**SOUTH AFRICA** On this week's "Wavescan" host Jeff White was at the A19 HFCC conference in Tunis, Tunisia where the sad news of the possible closure of the Meyerton short-wave transmitter site at the end of March. Apparently the decision by the BBC to stop using Meyerton has made operating the site too expensive for Sentech. Channel Africa does not use the site enough to make it financially viable and it is unclear, at this point, whether Radio Sonder Grense will also be impacted. (Mark Coady-Ont Feb 12) Jeff White is scheduled to attend the Winter SWL Festival where hopefully further news would be available. (RAD)

**SPAIN** Reception of Radio Exterior de España in Arabic & English, Feb. 11:

2230-2300 on 11685 NOB Arabic Monday, very  
good

2230-2300 on 12030 NOB Arabic Monday, very  
good at same time frequencies 9690 &  
11940 in Spanish

2300-2330 on 9690 NOB English Monday,  
poor/weak

2300-2330 on 11685 NOB English Monday,  
very good

2300-2330 on 11940 NOB English Monday,  
weak/fair

2300-2330 on 12030 NOB English Monday,  
fair/good  
(DX Mix-Bulgaria)

**SRI LANKA** Sri Lanka Broadcasting Corporation SLBC in 31mb on Feb. 18:

1115-1200 on 9720 TRM Hindi Daily, very good  
(DX Mix-Bulgaria)

**SUDAN** Good signal of Voice of Africa Sudan Radio, Feb. 5:

till 1716 on 9505 ALF French &  
from 1716 on 9505 ALF English  
(DX Mix-Bulgaria)

Voice of Africa – Sudan Radio (Pub) Revised complete schedule:

1715-1800 daily 9505alf† English  
1630-1715 daily 9505alf† French  
1800-1830 daily 9505alf† Hausa  
Key: † Irregular, with variable times; \* 1800-1830 transmission is occasionally in Swahili.  
Notes: Alternative frequency for all transmissions: 7205 (WRTH Update)

Fair signal of Voice of Africa Sudan Radio, Feb. 17:

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

Radio Omdurman on 9505, instead of Voice of Africa on Feb. 12:

1630-1830 on 9505 ALF Arabic, good to fair signal  
(DX Mix-Bulgaria)

**TAIWAN** Suab Xaa Moo Zoo, Voice of Hope via Tamshui, Feb. 14:

2230-2300 on 7530 TSH Hmong, fair/good  
(DX Mix-Bulgaria)

Frequency change of Radio Taiwan International via Tamshui:

1200-1400 NF 5970 TSH Chinese, ex 11985  
(DX Mix-Bulgaria)

6280.1, Sound of Hope, 1200, Feb 12. The usual OM & YL with “Xiwang zhi sheng guoji guangbo diantai” (Sound of Hope international broadcast station) ID (thanks to Amanno-san’s assistance); // 6230; checked again at 1209 to find 6280.1 heavily jammed with CNR1 programming, while 6230 had no jamming at all. (Ron Howard-CA)

**THAILAND** Good signal of HSK9 Radio Thailand WS, Feb. 6:

2030-2045 on 7475 UDO English  
2045-2115 on 7475 UDO Thai  
(DX Mix-Bulgaria)

Reception of HSK9 Radio Thailand World Service on Feb. 8:

1900-2000 on 7475 UDO English, fair signal  
(DX Mix-Bulgaria)

Very good signal of HSK9 R. Thailand WS, Feb. 19:

1900-2000 on 7475 UDO English  
2000-2015 on 7475 UDO German  
2030-2045 on 7475 UDO English  
2045-2115 on 7475 UDO Thai  
(DX Mix-Bulgaria)

**TURKEY** Voice of Turkey English language service:

0400-0500 on 6125 7240  
1330-1430 on 12035  
1730-1830 on 11730  
1930-2030 on 6050

2130-2230 on 9610  
2300-2400 on 5960  
(Bob Frasier-ME)

TRT Voice of Turkey on wrong 5970 in English  
on Feb. 16:

2130-2220 on 5970 EMR English, instead of  
on 9610 EMR as scheduled  
(DX Mix-Bulgaria)

TRT Voice of Turkey in Bulgarian on very odd  
frequency 7245.7, Feb. 2:

1200-1225 on 7245.7 EMR Bulgarian, instead  
of 7245 Feb. 1  
(DX Mix-Bulgaria)

TRT Voice of Turkey on very odd frequencies  
, Feb. 6:

0930-1055 on 11795.7 EMR Persian, instead  
of nom.11795.0  
1330-1425 on 12035.7 EMR English, instead  
of nom.12035.0  
(DX Mix-Bulgaria)

**USA** Supreme Master TV (New Entry) E:  
peace@suprememastertv.com W: www.su-  
prememastertv.com

Winter Schedule 2018-2019 English/Others

0000-0100 daily 5950rmi  
1100-1400 daily 7570rmi  
1400-2000 daily 15770rmi  
2000-2100 daily 5950rmi  
2100-2400 daily 4980rmi  
(WRTH Update)

3265, heard WBCQ testing on 3264.6 (nomi-  
nal to 3265) at 0339 on Feb. 12 with appar-  
ent "Alan Weiner Worldwide". Very poor but  
just before 0400 the signal came up with

discussion of superiority of AM modulation  
and mention of what "we are working on"  
at WBCQ by Alan. Talked right through ToH  
and signal faded back down. came back up  
to talk about radio as "eye candy," prayer,  
thank yours, 0414 ID, music. You might want  
to try this since they are testing here. Pret-  
ty sure it isn't the new transmitter however  
since it never got about S5. (Mark Taylor-WI)

**UZBEKISTAN** Some changes of Bible Voice  
Broadcasting via Tashkent:

1200-1230 on 9370 TAC Hindi Sat, additional  
&  
1130-1200 on 15640 TAC English Sun is de-  
leted  
(DX Mix-Bulgaria)

Additional broadcast of BVBroadcasting via  
Tashkent on Feb. 9:

1200-1230 on 9370 TAC Hindi Sat, weak to  
fair signal  
(DX Mix-Bulgaria)

Reception of Trans World Radio India via  
Tashkent on Feb. 10:

1545-1600 on 6240 TAC Kazakh, fair to good  
+ jamming  
(DX Mix-Bulgaria)

**VATICAN** Very good signal of Vatican Radio  
on Feb. 2:

2030-2100 on 6010 SMG French  
(DX Mix-Bulgaria)


Very good signal of Vatican Radio on Feb. 5:

2200-2230 on 6185 SMG Chinese  
2200-2230 on 7410 SMG Chinese  
(DX Mix-Bulgaria)

6010/7435, Vatican Radio via Santa Maria di Galeria, eQSL in 28 days. Report in Italian sent to: qsl.request@spc.va. (Christian Ghi-  
baudo-France/DX Fanzine)

**VIETNAM** Fair/good signal of Voice of Vietnam on Feb. 2:

2130-2158 on 7280 SON English  
(DX Mix-Bulgaria)

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

# Pirate Radio Report

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Shortwave pirate broadcasting continued at a very brisk pace once again during the past month. Pirate broadcasting inevitably increases around major North American holidays. March is relatively devoid of holidays this year, although St. Patrick's Day on March 17 can be considered to be a holiday for pirate broadcasting purposes. Another major upside this month is that darkness propagation paths as remain within the end of the Winter season in North America. Seasonal static levels on the shortwave bands still will retain low levels during all of February and most of March.

Once again this month we have only a few updates to news on Congressional committee hearings on the "Preventing Illegal Radio Abuse Through Enforcement" act, with an acronym of the "Pirate Act." This bill would provide for fines of pirate radio stations of \$100,000 per day, with a maximum fine of \$2 million. The bill is sponsored by Rep. Leonard Lance (R-NJ) and Rep. Paul Tonko (D-NY). Our sharp-eyed desktop publisher, Ralph Brandi in NJ, points out that when the bill is reintroduced in the current session of Congress, Lance will not be a co-sponsor, since he was

defeated in the November election by more than 16,000 votes. As of the end of February, this bill's prognosis in the Congress remains uncertain. The Pirate Act last year on July 12 did get a vote in the House of Representatives Energy and Commerce Committee, where it passed unanimously. At this point, the Pirate Act was merged with some provisions of the Net Neutrality legislation that is going through Congress. At that point some opposition emerged from some Democrats in Congress. The radio legislation is further complicated by controversial bills to criminalize online internet privacy. All of this is further complicated by the literal chaos within the Federal Government associated with the the Kavanaugh nomination to the Supreme Court, the takeover of the House of Representatives in 2019 by the Democrats as a result of the November 2018 midterm election, and the partial shutdown of the Federal Government late in 2018. The fate of this bill in the House and Senate of the Congress and on the desk of President Trump remains uncertain at column deadline time. The full text of the house bill is still on the internet at:

[https://docs.house.gov/meetings/IF/IF16/20180322/108059/BILLS-115pih-HR\\_\\_\\_-U13.pdf](https://docs.house.gov/meetings/IF/IF16/20180322/108059/BILLS-115pih-HR___-U13.pdf)

A new Pirate Act with new sponsors will likely emerge in the House of Representatives sometime during 2019. But, investigations of numerous executive branch staff and President Trump's attorneys are dominating the Congressional agenda on virtually a daily basis. So, we will have to continue to monitor the Pirate Act situation on a regular basis. The federal government, and thus the FCC, was open as of column deadline time this month. But, it will still pay to follow your daily newspaper to see whether FCC enforcement will continue at a brisk pace, or whether they will slow down if the Federal Government shuts down again.

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. Tom Taylor Now via Rich D'Angelo once again points out that 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. 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.

**Amphetamine R.** 6925 2009-2033\* 1/18/19 fair. Classic rock by various artists w/SSTV images at open and close. (Montney, MI)

**Carpetshark** 6935 0127 1/27/19 fair to good. Prgm of various guitar mx w/ SSTV image of move Carpetshark at close. (Taylor, WI)

**Charleston R. Intl.** 5140 0858-0913 1/13/19 fair. Prgm of various European oldies ethnic mx. OM ID at 0908 from this Euro. (Serra, Italy)

**Classic Pirate Radio Relay Service** 6955U 2147-2200\* 1/18/19 fair. Prgm of classic rock tunes by various artists mixed with some comedy sketches. (Montney, MI)

**Irish Rose R.** 6924U 2217 2/1/19 good. Patrick w/prgm of Irish and Celtic folk mx. (Montney, MI)

**Misfit R.** 6925 1639-1701 1/12/19 fair. Native American drum mx, flutes, howling and SSTV image at close. (Montney, MI)

**Misfit R.** 6955 1818-1827 2/2/19 fair. Mostly a patriotic mx prgm w/SSTV images at close. (Montney, MI)

**Numbers in Japanese** 6990L 0552-0555\* 1/14/19 fair. OM w/mix of Japanese syllables and random long pauses. Strange prgm just outside the 40 meter ham band. (Hauser, OK)

**R. Boo Boo** 6925 0157 1/7/19 fair. Prgm of country mx, music box, rockabilly mx w/ SSTV image of polar bears at close. (Taylor, WI)

**R. Free Whatever** 4080 0027 1/21/19 fair. Dick Weed w/prgm of mostly classic rock mx. (Montney, MI)

**R. Ga Ga** 6925 2239-2242\* 2/2/19 fair. Oldies pop mx by Monkees and similar artists w/ SSTV image at close. (Montney, MI)

**R. Humper Do** 6930 2252 1/11/19 fair. Rock by Dan Fogarty & Boston. (Montney, MI)

**R. Olah** 6930 2121 1/26/19 fair. Prgm of rock, folk, and ballad mx. The mx better hrd than OM tlk portions. (Taylor, WI)

**R. Olah** 6930 AM 1539-1654 2/3/19 fair. Paul Butterfield blues band, the singing nun, and discussion of government shutdown with unpaid workers. (Montney, MI)

**Skippy R.** 6925 2253-2346\* 1/12/19 good. Classic rock mx by various artists w/SSTV image at close. (Montney, MI)

**V. of Grease** 6950 2159-2232 1/12/19 good. Rock & Pop Oldies mx by various artists. Not to be confused with the V. of Greece. (Montney, MI)

**V, of the Yeti** 6925 2255-2310 1/26/19 fair. Classic rock mx incl multiple Allman Brothers tunes. (Montney, MI)

**Wolverine R.** 3440U 0136 1/13/19 fair. Prgm of mx w/a "down" theme and ID's every third song. Two SSTV images at close. (Taylor, WI)

**Wolverine R.** 6955 0130 1/13/19 poor. Mostly oldiesmx. Quicklyrepeatedon3440.(Taylor, WI)

**Wolverine R.** 3440 0117 1/27/19 fair. Prgm of blues mx, choir mx, sfx, and multiple SSTV images. (Taylor, WI)

**X-FM** 4085 0117-0315+ 1/27/19 good. Dick Weed & Redhat w/prgm largely of classic rock mx w/live TCs. (Taylor, WI)

**X-FM** 4085p 0250 1/27/19 S9 but noisy. Rock mx w/live TCs. ID assumed from others. (Hauser, OK)



# Scoreboard

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This month we are highlighting our members' totals from Africa. Ranking is based upon African Countries Verified. This is your chance to show everyone how well you are doing. The next deadline is August 15th for the September 2019 issue of the Journal. The spotlight will be on South America.

Name, State	Total		Africa		Best Africa QSL
	C/H	C/V	C/H	C/V	
Don Jensen, WI	256	256	66	66	RTF Comoros-Mayotte, Dzaoudi
Edward Kusalik, ALB	250	249	66	66	ORTF Reunion 2446
Marlin Field, MI	246	246	66	66	Kenya (250 w.)
Dan Henderson, MD	249	245	66	66	ORTF Reunion
James W. Young, CA	253	239	66	65	R. St. Helena (450 w.)
Jerry Berg, MA	244	244	64	64	R. Clube Tenerife, Canary Is. (250 w.)
Harold Cones, VA	234	232	64	64	R. Reunion
Tom Williamson, ON	243	230	65	61	ZNB Mafeking, Bechuanaland
Chris Lobdell, MA	229	225	62	61	Guinea-Conakry-9650
Wendel Craighead, KS	235	223	65	61	UN R. via Katanga 11865
Sheryl Paszkiewicz, WI	225	219	59	59	Guinea
Rich D'Angelo, PA	225	223	58	57	R. Mogadishu, Italian Somaliland
Jim Evans, TN	213	203	57	56	R. Leopoldville, Congo - 1962
Steven R. Lare, MI	239	226	62	54	Mauritius
Paul Buer, FL	219	208	60	54	La Voz de la Isla de la Palma (350 w.)

Dan Robinson, MD	235	191	65	54	Renunion
Ron Howard, CA	212	200	57	52	R. Cidade
George Maroti, NY	208	202	55	53	Canary Islands
Stephen Leite, MA	210	197	50	47	9HLB Lubusbashi, Zaire
Christos Rigas, IL	217	198	56	46	R. St. Helena
Stephen Price, PA	198	183	53	46	R. Bata
Bill Smith, MA	186	177	46	41	Cape Verde
Ross Comeau, MA	193	172	52	40	R. Tanzania – Zanzibar
Allan R. Loudell	192	167	50	37	R. Lesotho
Mark Humenyk, ON	169	148	44	34	Channel Africa
James R. Renfrew, NY	189	161	50	33	R. St. Helena
Jerry Johnston, KY	210	141	58	29	R. St. Helena
Richard E. Lawrenson, RI	145	129	30	29	R. St. Helena
John Mosman, WI	120	120	27	27	W. Nigeria Broadcasting Corp.
Dan Srebnick, NJ	156	121	42	26	Ivory Coast
George L. Glotzbach, MN	154	136	30	25	R. Lomé, Togo
Larry Colton, FL	254	125	42	25	Cameroon-Garoua 5010
David Turnick, PA	144	124	29	25	Zimbabwe Broadcasting Corp.
Scott C. Newman, IN	148	113	37	25	R. Omdurman
Gary R. Neal, MD	137	127	27	22	R. St. Helena
Scott R. Barbour, NH	168	115	42	22	Full Gospel L. P. Church (100 w.)
Paul Brouillette, IL	148	121	39	21	R. Mozambique
Jilly Dybka, TN	145	108	34	21	R. Nacional Angola
Joe Kremer, OH	153	104	41	19	R. St. Helena
Edward G. Stroh, IL	135	104	30	18	R. Mogadishu, Somalia
Richard Bradley, MA	145	130	17	17	FEBA Radio, Seychelles
Doug Tilley, WA	117	89	26	15	R. St. Helena
Gary W. Froemming, AZ	184	44	51	8	ZUD Time Station (S. Africa)
Jerry Ervine, TX	110	60	15	6	Nigeria
Alex Vranes, Jr. WV	226	216			
Jerry Klinck, NY	220	202			
Bob Raymond, NH	175	151			
Ken McCartney, OH	125	73			



## NASWA Facebook Page

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

# Contributors' Page

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**DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH**

The following members sent in contributions:

**Ed CICHOREK**, Somerset, NJ

**Mick DELMAGE**, Sherwood Park, ALB

**Jim EVANS**, Germantown, TN

**Walt FAIR**, TX

**Bob FRASIER**, ME

**Glenn HAUSER**, Enid, OK

**Vince HENLEY**, Anacortes, WA

IC-R-75, SW8, MFJ956, SWL4-50 wire

Perseus SDR, Wellbrook ALA-100

IC7300, R75, Perseus, random wires

No equipment listed

No equipment listed

No equipment listed

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

No equipment listed

Sony 7600R, Grundig 450XL

JRC NRD 525 receiver; Alpha Delta DX-SWL Sloper-S antenna; RG 8 mini coaxial cable; JPS NIR 12 Noise & Interference Reducer-Dual DSP outboard audio filter; JRC NVA 319 external loudspeaker unit.

No equipment listed

No equipment listed

No equipment listed

No equipment listed

**William MCGUIRE**, Cheverly, MD

**John MILLER**, Ochlocknee, GA

**Gianni SERRA**, Roma, ITALY

**Ronald SIVES**, Easton, PA

**Mark TAYLOR**, WI

**Gayle VAN HORN**, NC

**Jim YOUNG**, CA



2000-30000 kHz

## Loggings

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

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3215 **UNITED STATES WWRB**, Manchester TN in EE. SIO 433, January 28, 2019, 0048 – 0052. Religious broadcaster. OM preacher with fire and brimstone sermon. Heavy QRN, difficult, unpleasant listening. (Henley, WA)

3985 **SOUTH KOREA Echo of hope** (VOH) clandestine in KK. // 4885 SIO 323 February 3, 2019, 1430 – 1445. Heavy QRN, OM with talk and MX, some QRM. Better listening on 4885. Religious ceremony, MX, OM and YL announcers in KK. (Henley, WA)

4055 **GUATEMALA *Radio Verdad/Truth***, Feb 7 at 0615, brief Spanish and English sign-off announcements from Radio Verdad/Truth, into lengthy multiverse NA until 0620 when open carrier remains on. S9+10/20 good signal now. 1232 recheck is S9+10, good with song, hymn vs lightning crashes from cenTral/eastern Oklahoma storms, which started yesterday after a quiet winter, really impacting LW, MW and lower SW, but when close enough within 2 miles, also audible against OKC FM stations (Hauser-OK )

4747 **PERU *Radio Huanta 2000***, Huanta, 1117-1125. Talk in Spanish by a man followed by Peruvian vocal music. Weak but steady signal with heavy CODAR interference. 2/6/2019 (Evans - TN)

4765 **TAJIKISTAN *Tajik Radio***, Dushanbe-Yangi Yul in Tajik 01.12/13.2019 2355-0015 man and woman talk till 0003, brief music break, woman talk, with brief local music breaks at times, local chant, same woman talk with some music breaks, local chant, man/woman talk with music breaks; heard in usb, fast qsb, moderate qrn, from 0000 qrm splats hams voices for some minutes; fair (Serra, Roma, Italy)

4765 **TAJIKISTAN *Tajik Radio***, Dushanbe-Yangiyul in Tajik 01.14.2019 1850-1901 slow music, with woman/man brief announcements, man talk (no much clear), with brief local slow music pauses at times, heard in usb, fast qsb, strong qrn rustle with crackles at times; poor/almost fair (Serra, Roma, Italy)

4765 **CUBA *Radio Progreso*** in Spanish 02.02.2019 0447-0501\* nonstop lively and slow songs till 0456, woman/man talk and announcement, music bridge into same woman politic news (mostly unclear) with woman correspondent, man announcements (no much clear) over brief song, chorus hymn, brief woman announcement and s/off at 0501; heard in usb, fast qsb and strong qrn rustle with crackles at times; almost fair/poor (Serra, Roma, Italy)

4765 **TAJIKISTAN *Tajik Radio***, Dushanbe-Yangi Yul in Tajik 01.26.2019 2321-2338 typical local chants with instrumental music, and man unclear talk (2328-2331), heard in usb, fast qsb, moderate qrn, poor/ almost fair (Serra, Roma, Italy)

4885 **BRAZIL *Radio Clube do Para***, Belem in Portuguese 01.20.2019 0641-0655 music program with lively songs and ballads, man dj ID (Clube !) and enhanced brief announcements at times, heard in lsb, fast qsb and moderate qrn in increasing, (this day, sunrise in Roma at 0633 utc), fair (Serra, Roma, Italy)

4885 **CLANDESTINE SOUTH KOREA *Echo of Hope*** VOH in Korean 01.21.2019 1822-1840 two men talking only, heard in ssb, fast qsb and moderate qrn, poor/almost fair; in // 6250 poor/almost fair at times; // 9100 heard only in usb with inter filter to nullify a strong shrill sound (presumed jamming), barely audible; (Serra, Roma, Italy)

4919 **CHINA P.R *PBS Xizang***, Lhasa-Baiding in Tibetan 01.26.2019 1747-1805\* nonstop pop music (Lambada etc.), Chinese strings music from 1759, brief woman announcement at 1804, brief Chinese music pause, man ment. Zhongguo only and sudden S/off at 1805; heard in usb,

fast qsb with moderate qrn rustle and crackles at times, almost fair; in // 4905 almost fair/poor at times; // 6025 mixed with IRIB-VOIRI co-channel in German, fair; // 6130 good; // 7385 good, from 1800 qrm lite China Radio Int'l.co-channel in French; (Serra, Roma, Italy)

4920 **CHINA (TIBET) PBS Xizang**, Lhasa-Baiding 602 (presumed), 0024-0029. Tracking weak carriers on 4920 and 4905 just after 0000 on a day of rapid ups and downs in propagation. Finally heard some audio on 4920 at 0024, a woman speaking in what appeared to be Tibetan. Very weak, going into and out of the noise until carrier only after 0029. Similar audio heard on 4905, but just abithereandthere. Classifythislogastentative, butno doubtPBSXizang. 1/23/2019 (Evans - TN)

4920 **INDIA All India Radio** Chennai, Chennai, 1302-1306. Talk in Hindi by a woman, possibly news. Joined briefly by a field reporter at one point. Weak but steady signal in heavy noise. 1/23/2019 (Evans - TN)

4949 **ANGOLA. Radio Nacional de Angola**, Mulenvos, and 0455-0505. Pop music. Talk in Portuguese by a man at 0459. Weak signal, keeping just above the noise with moderate fading. Also heard an hour earlier on the previous two nights with an even weaker signal, going in and out of the noise. 2/7/2019 (Evans - TN)

5000 **UNITED STATES WWV and WWVH** in EE, SIO 444, February 3, 2019, 1447 – 1450. Standard time and frequency stations. Both clear and listenable. (Henley, WA)

5005 **EQUATORIAL GUINEA Radio Nacional**, Bata, 0546-0601. Pop music. Talk in Spanish by a man at 0549, then more music at 0554. Faint, marginal audio noted on the previous two nights, but finally strong enough to report on content. Weak signal with minor fading, best 0550-0555, then decreasing until at noise level after 0601. Last heard here in 2016. 2/7/2019 (Evans - TN)

5025 **CUBA Radio Rebelde** 2155, 1-21-19. Vocals with guitar and into local news at 2200 with many mentions of Havana. Poor with fading. (Cichorek-NJ)

5025 **CUBA Radio Rebelde** Bauta in Spanish 02.03.2019 0732-0755 music program with nonstop livelyballadsongsonly, stilllistenedonairhere; thisdaysunriseat0621UTCinRoma; heardinLsb, ceaselessfastqsbwithmoderateqrninincreasing, qrm briefUtesattimes, fair (Serra, Roma, Italy)

5025 **CUBA Radio Rebelde** Bauta in Spanish 02.02.2019 0436-0446 woman talk, nonstop slow songs, heard better in usb with a bit distorted audio, mild qsb and moderate qrn, almost good (Serra, Roma, Italy)

5055 **AUSTRALIA 4KZ** at 1455 UTC January 20 with multiple ads to ID at 1500 UTC then talk show program. Fair (Delmage, AB)

5060 **CHINA P.R. PBS Xinjiang**, Urumqi-Changji in Chinese 01.26.2019 1705-1718 some men talking only (no much clear), heard better in usb with and without Nir 12, fast qsb and strong qrn rustle and mild crackles at times, in // 3950 poor; (Serra, Roma, Italy)

5140 **PIRATE (EUROPE) *Charleston Radio International*** 01.26.2019 1308-1324 a miscellany of old songs nonstop, man announcements and ID at 1319, heard in usb, qrm mild shrill sound in background (till 1323), mild qsb and moderate qrn rustle, good; (Serra, Roma, Italy)

5955 **CHINA *China Radio Int'l*** in EE. SIO 333, February 3, 2019, 1452 – 1501. Heavy QRN. YL announcer alternating with OM in EE. Poor listening, ID at top of hour. (Henley, WA)

5959 **KUWAIT *Radio Kuwait***, Sulaibiyah / Kabd, 0322-0332. Traditional Middle Eastern vocal music. Announcement in Arabic by a woman at 0325, then talk by a woman over/around music. Announcements by a man at 0327 followed by national anthem. Announcements by a man at 0330, then a few bars of music and talk by a woman with music. Weak signal occasionally fading up to moderate strength. 1/22/2019 (Evans - TN)

5960 **HOLLAND *KBC*** at 0011 1/27 with 60's rock and adds for tee shirts. (Miller-GA)

5965 **CHINA *China Radio Int'l*** in RR. SIO 444, February 3, 2019, 1502 – 1504. OM with strident talk in RR. Listed target is Siberia. Listenable. (Henley, WA)

5990 **ROMANIA *Radio Romania Int'l.***, Galbeni in Romanian 01.16.2019 2012-2039 woman reading news till 2015, with correspondent, ID and brief music break, sport news, woman news in brief, announcement with ID, man announcement with ID, into woman current affair program with many commentaries about voting result of British Parliament on Brexit agreement with EU, ID during program, heard in am and lsb with lite fast qsb at times, very good, local audio and signal S.9+30+ of peak; in // 7375 heard better in usb, qrm lite rtty, fast qsb, mild qrn, fair; (Serra, Roma, Italy)

6015 **FRANCE *NHK***, 0337, 1-21-19. Two men in intense dialogue in Japanese SIO444 (Cichorek-JJ)

6015 **TANZANIA - ZANZIBAR *Radio Tanzania*** Zanzibar, Dole, 0503-0508. Talk in Swahili by a man. Music bridge at 0508 followed by talk by a man and a woman. Weak signal, occasionally fading up to moderate strength. Also heard the previous night at the same time with talk by a woman and a much weaker signal. 2/7/2019 (Evans - TN)

6060 **CUBA *Radio Havana Cuba***, Feb 8 at 0658\* RHC English cuts off air just as I tune in; 6100, 6165 and 5040 are already off. But outlier 6000 is still on, starting to re-open English hour at 0659. By 0701 its air is dead. Presumably it too will be offcut when the sloppyrotors at the other site get around to it. Something's always wrong at RHC (Hauser-OK )

6095 **UAE *BBC***, Al-Dhabbaya, 0338-0344. Talk in apparent Farsi by a man, occasionally joined by a woman. Weak signal with moderate fading and low side interference from Dr. Gene Scott via Anguilla. 1/22/2019 (Evans - TN)

6109 **ETHIOPIA *Radio Fana***, Addis Abeba, in Amharic 01.27.2019 1832-1854 local song, woman Radio host chatting with some men (phone calls), local singsong chant with instrumental music, phone calls by some women chatting with Radio host; heard in Lsb, fast qsb, moderate

qrn, fair/almost good; (Serra, Roma, Italy)

6110 **ETHIOPIA Radio Fana**, Addis Ababa, 0613-0617. Talk in Amharic by a man. Occasionally joined by other men. Weak signal, holding steady just above the noise. 1/12/2019 (Evans - TN)

6115 **NEW ZEALAND RNZ National** in EE. SIO 555, February 3, 2019, 1505 - 1530. OM with long WX report, including the maritime forecast, for all points around the islands. Excellent signal. Long WX report ended at 1517 followed by MX from Lucinda Williams. YL commentator on sports, including long segment on Pickelball. Interview with one of the local NZ founders and organizers of Pickelball. (Henley, WA)

6129 **SWAZILAND TWR AFRICA** Manzini/Mpangela Ranch, in listed Luvale and Portuguese 02.07.2019 1916-1936 local choral chant, man talk (ment. Radio...), brief music pause, IS at 1920, local men chant into Portuguese program with man announcement and ID (ment. Transmundial) over chant, women religious chant, man religious talk program, heard in usb and lsb from 1932, qrm splats, mild fast qsb in increasing with mild qrn, almost good (Serra, Roma, Italy)

6130 **ROMANIA Radio Romania Int'l** at -130 with 'All that Jazz Show'. (Miller-GA)

6130 **ROMANIA Radio Romania Int'l**. 1/20, 0101-0112, in EE; "The Week in Review". Very little could be heard clearly. SIO 111 (Sives-PA)

6134 **BOLIVIA Radio Santa Cruz**, Santa Cruz, 2349-2401. Pop music with announcements in Spanish by a woman. "Santa Cruz" mentioned twice. Talk by a man and a woman from 2357 to 2401 tune out. Weak signal with moderate fading in heavy noise. 1/26/2019 (Evans - TN)

6195 **BOTSWANA Voice of America** 2020 UTC January 17 in English with lively West African music program and listeners letters. Excellent (Delmage, AB)

6195 **BOTSWANA Voice of America** Mopeng Hill in English 01.30.2019 2034-2059 music program with reggae song, afropop and pop songs, men/woman announcements after each track (also over music) with many IDs, heard in lsb, strong signal ( S.9+20+ of peak) and audio, very good; // 4930 good; // 15580 very poor/barely audible; (Serra, Roma, Italy)

6195 **OMAN BBC**, A'Seela, 0351-0354. Talk in English by a man and a woman. Weak signal, barely above the noise. Could not determine program content. 1/22/2019 (Evans - TN)

6250 **CLANDESTINE SOUTH KOREA Echo of Hope** VOH in Korean (p) 02.02.2019 1353-1410 woman unclear talk till 1356, slow song, same woman brief talk, brief music, man/woman unclear talk, heard in Lsb, fast qsb, strong qrn, very poor; (Serra, Roma, Italy)

7180 **ERITREA Voice of Broad Masses of Eritrea**, Asmara, 0405-0416. Talk by a man in either Amharic or Tigrinya. HOA music at 0414. Talk resumed at 0415. Very weak signal, just above noise level with minor fading. No jammer heard. 1/22/2019 (Evans - TN)

7205 **SUDAN *Sudan Radio***, Al-Aitahab, 0449-0454. Music. Announcements in Arabic by a woman and a man at 0450. Sudanese vocal music at 0451. Moderate signal strength with significant fading, sometimes down to just above noise level. 1/23/2019 (Evans - TN)

7220 **ROMANIA *Radio Romania Int'l*** 12.28 at 2300 in EE. National News. Poor. (McGuire-MD)

7220 **CHINA *China Radio Int'l*** in JJ. SIO 555, February 3, 2019, 1534 – 1538. YL talk in JJ with some background MX. Pop MX with OM vocalist. Back to YL announcer. Excellent signal and easy listening. (Henley, WA)

7220 **VIETNAM *Voice of Vietnam***, Hanoi Sontay in English 01.23.2019 2046-2058 man/woman talk for featured program till 2049, slow song, same woman and man talk with ID and final announcement at 2056, then carrier on only; heard better in usb to avoid splats, fast qsb and moderate qrn, almost fair/good when played song; (Serra, Roma, Italy)

7230 **VATICAN *Vatican Radio*** News at 1720 UTC January 19 with their newscast. Very good with ham QRM (Delmage, AB)

7255 **NIGERIA *Voice of Nigeria*** at 0810 in EE with World News followed by local news by a YL Very weak (Miller-GA)

7255 **NIGERIA *Voice of Nigeria***, Feb 8 8at 0653, VON is still gone, no big sig but a JBA carrier maybe local device about 7255.75 (Hauser-OK )

7265 **CLANDESTINE *Radio Koode International*** via Issoudun, France in Fulfulde 02.05.2019 1900-1925 flute music with some percussions in background, man talk with IDs (Radio Koode International), woman talk ment. (Serra, Roma, Italy)

7295 **KOREA NORTH [none]**. 7295, Feb 6 at 1434, usual mix with SAH of Furusato no Kaze QRMing itself via JAPAN and TAIWAN; 1435 Japan goes off clearing Taiwan. FnK is also scheduled from 1430 on 9960 via PALAU, where there is soft YL talk at S9+10; splash from some downunderite on 9955 evitable by USB tuning. Sounds the same as on 7295, but far from synchronized (Hauser-OK)

7315 **UNITED STATES *Voice of Vietnam*** relay in SS. SIO 555, January 28, 2019, 0035 – 0040. Via Cypress Creek SC, OM in SS with long monologue, some minor noise generator QRM, but otherwise clear. (Henley, WA)

7320 **ALASKA *KNLS***, Anchor Point, \*1400-1404. IS heard at 1400 followed by announcements in apparent English by a woman at 1401, then talk by a man. Music at 1403. Extremely weak signal, barely above the noise. 1/23/2019 (Evans - TN)

7355 **SINGAPORE *BBC*** Relay from Kranji in KK. SIO 555, February 3, 2019, 1539 – 1552. YLs in conversation / interview format. Some MX clips. BBC theme MX between items. Listed target is Far East. Language lesson at 1549 KK/EE based on phrase "On Monday I go to work" and variations. Practice on days of the week. Excellent signal. (Henley, WA)

7410 **ROMANIA** *Radio Romania Int'l* at 0430 with 'People & Places' featuring Ice Hotels. (Miller-GA)

7435 **UNITED STATES** *Radio Marti* in SS. SIO 444, January 28, 2019, 0031 – 0034. OM in SS talk with a Radio Marti ID, program announcements, contact information, schedules and frequencies. (Henley, WA)

7490 **UNITED STATES** *WBCQ* "The Planet" in EE. SIO 444, January 28, 2019, 0025 – 0030. MX and talk, noisy with heavy QRN. News items after 0028. (Henley, WA)

7495 **THAILAND** *Voice of America* Ashna, Udon Thani, 0036-0040. Talk in Pashto by woman, occasionally joined by a man. Weak signal with minor fading. 1/26/2019 (Evans - TN)

9305 **ARMENIA** *Trans World Radio - India* at 1350 UTC February 2 in presumed Kashmiri with Indian music and chat. One Interval Signal at 1400 UTC with ID then back to music. Very Good greyline until 1415 UTC fading. (Delmage, AB)

9305 **ARMENIA** *TWR India*, Gavar, 1420-1423. Talk in Hindi by a woman. Moderate strength signal with minor fading. 1/25/2019 (Evans - TN)

9395 **UNITED STATES** *WRMI* Okeechobee (p) in English 02.02.2019 0809-0820 two slow songs, man mostly unclear talk (with presumed ID ment. Radio...), brief music break, man talk, song, heard in usb with and without Nir 12, fast qsb and very strong qrn; very poor/ barely audible just over qrn noise (Serra, Roma, Italy)

9420 **GREECE** *Voice of Greece* in Greek at 2022 UTC January 30 with usual excellent music programming featuring Vasilis Tsitsanis, Marika Ninou, Giorgos Mitsakis, Takis Binis and others. Greek announcements between tunes. Excellent signal. (Delmage, AB)

9420 **GREECE** *Elliniki Radiophonia* (V.o.Greece), Avlis, in Greek 02.02.2019 0705-0721 music program with local songs, music and woman talk at times, heard in am, mild fast qsb with lite rustle at times; good (Serra, Roma, Italy)

9435 **NORTH KOREA** *Voice of Korea* in FF. SIO 444, February 3, 2019, 1646 – 1652. Folk MX with YL announcer in FF. More MX in KK with YL vocalists. (Henley, WA)

9455 **BANGLADESH** *Radio Bangladesh*, Dhakah, 1338-1342. Subcontinent vocal music. Very weak, threshold level signal, with minor fading. 2/3/2019 (Evans - TN)

9475 **UNITED STATES** *WTWW*, Lebanon, TN. Religious broadcaster. SIO 444, February 3, 2019, 1653 – 1700. Soul MX, audience reaction, religious sermon with YL preacher, hymns. ID at 1700. (Henley, WA)

9515 **MADAGASCAR** *AWR* Feb 5 at 2027, S4-S6 of lo-key music, seems like a repeating loop, so IS? Listed as AWR French via Talata from 2000, 125 kW at 320 degrees also US ward. Off at 2028\* without announcement (Hauser-OK )

9520 **CHINA PBS *Nei Menggu***, Hohhot 839, 0111-0117. Talk in Chinese by a man and a woman. Very weak, threshold level signal, keeping above the noise about 25% of the time. 1/22/2019 (Evans - TN)

9530 **UAE Radio Akbar Mufriha**, 2145, 1-26-19. Man and woman in listed Pulaar language with dramatic talk. Frequency anmths. At 2159, instls. Mx at 220 with probable ID. Fair to good with fading. (Cichorek-NJ)

9665 **NORTH KOREA KCBS *Pyongyang*** in KK. SIO 444, February 3, 2019, 1631 – 1639. MX, YL vocalist, instrumentals, easy listening with moderate QRN. Domestic broadcast. (Henley, WA)

9680 **JAPAN NHK Radio Japan** in JJ. SIO 444, February 3, 2019, 1639 – 1645. OM announcer with long monologue. Some MX in background. Good signal. (Henley, WA)

9689 **NIGERIA *Voice of Nigeria***, Wednesday Feb 6 at 1732, VP carrier, no doubt VON in English as Dave Kenny, BDXC-UK has just tipped hearing today. I first heard it on Saturday, not on Sunday, not sure about Monday, but not even on Tuesday later to het Spain (Glenn Hauser, OK, and DX LISTENING DIGEST)

9690 **SPAIN *REE*** 11/13 at 2255 in SS. Talks and music. Good. (McGuire-MD)

9690 **SPAIN *REE*** 12/21 at 2340 in FF. Music program and ID. Good (McGuire-MD)

9690 **SPAIN *REE*** 2302 UTC January 18 in English with a program about Spain's history during WWII. Good (Delmage, AB)

9690 **TAIWAN *Furusato No Kaze*** clandestine in JJ. SIO 555, February 3, 2019, 1620 – 1630. OM singing, possibly religious hymns. Strong, clear signal. Carrier gone at 1630. (Henley, WA)

9690 **SPAIN *Radio Exterior de Espana*** Noblejas, in Spanish 01.18.2019 2133-2150 man radio host talk with other man, music pause and talk over, man announcement and ID (Radio Exterior de Espana ), into other current affair talk program till 2144, other man talk over slow music, announcement and ID, music pause into politic talk program, with music breaks, heard in usb, moderate qsb and qrn rustle, fair/almost fair; in // 11685 fair/poor/no audio briefly at times; // 11940 almost fair/poor at times; // 12030 almost fair/poor at times; (Serra, Roma, Italy)

9705 **TAIWAN *Nippon no Kaze***, Tanshui, 1324-1327. Talk in Korean by a woman. Music at 1327. Extremely weak signal, barely above the noise, with some fading. 2/3/2019 (Evans - TN)

9785 **TURKEY *Voice of Turkey*** Feb 5 at 1429, JBA carrier, 1430 JBA timesignal, presumed VOT starting Kazakh. Checking here after finding 12035.7 preceding English was already off by 1429 today; to fathom whether I can hear the next frequency, the next time sloppyrators fail to turn off 12035V in time (Glenn Hauser, OK, and DX LISTENING DIGEST)

9795 **PHILIPPINES FEBC Radio**, Iba, 2305-2309. Religious music. Talk by a man at 2307. Language listed as Mon. Very weak signal, barely above noise level, frequently fading down. 1/20/2019 (Evans - TN)

9820 **CHINA P.R. CNR 2**, Xinyang in Chinese 01.24.2019 2204-2228 some men talking, ment. Zhongguo at times, with some music break, heard in usb, fast qsb, moderate qrn, fair/good; in // 7370 fair/almost good; // 7335 fair/almost good; //6190 poor/barely audible at times with strong splats; //6155 almost fair; // 6090 almost fair; // 6065 almost fair; // 6000 almost fair/poor mixed with CNR 1 co-channel up and down; (Serra, Roma, Italy)

9840 **UNITED STATES WHRI** in EE from Cypress Creek, SC. SIO 343, February 3, 2019, 1554 – 1557. Religious broadcast, OM preacher, Choral hymns, sermon and prayers. (Henley, WA)

9865 **INDIA Vividh Bharati** in Hindi at 1715 UTC February 2 with Indian music and talk. Very Good (Delmage, AB)

9955 **UNITED STATES WRMI**, Radio Miami, via WYFR from Okeechobee, FL in EE. SIO 544, February 3, 2019, 1602 – 1610. Target SA. Andean MX, ID at 1607 with OM announcer. South American MX continues after ID. Easy listening, good MX. (Henley, WA)

9965 **PALAU Furusato no Kaze**, Medorn, 1347-1353. Talk in Japanese by a woman. Instrumental music over talk at 1350. Internet address given at 1352. Strong signal with moderate fading. Minor hum on audio. 1/23/2019 (Evans - TN)

9975 **PALAU Furusato No Kaze** Clandestine in JJ. SIO 555, February 3, 2019, 1612 – 1623. MX and TLs in JJ talk. Target is North Korea. Clear signal, with slight hum on audio. No QRN / QSB / QRM. OM Speaker with monologue. Easy listening. (Henley, WA)

11620 **INDIA - GOA All India Radio**, Panaji, 1330-1335. Talk in Nepali by a man. Subcontinent vocal music at 1331. Talk by a woman at 1335. Very weak signal with minor fading, strengthening slightly over time. 2/3/2019 (Evans - TN)

11635 **KOREA NORTH KCBS** at 2340 UTC January 16 with local music and announcements in Korean. National Anthem at 2348 UTC Fair // 12015 Fair // 11875 fair // 9445 poor. (Delmage, AB)

11690 **GUAM KSDA AWR**, Agat in Chinese 01.12.2019 1107-1151 woman talk till 1113, man and same woman talk till 1121, slow song, woman talk, brief music pause, woman talk with brief music pause at 1136, then chatting with other women and man till 1144, pop song, continuing chatting in brief, music pause and woman talk; heard better in usb to nullify lite het, fast qsb and strong qrn rustle, poor / almost fair; at about 1123, fqy shifted to 11690.02; in // 9610 with fast qsb and strong qrn rustle, poor / almost fair at times; (Serra, Roma, Italy)

11710 **KOREA NORTH Voice of Korea** (KCBS) noted at 1730 UTC January 16 with talk and music in Korean. Still a noticeable grumble on the old transmitter. Fair. Also 1714 UTC January 17th Good, Nothing 1720 UTC January 18th and 1710 UTC January 19 fair. (Delmage, AB)

11745 **SAUDI ARABIA *Al Azm Radio Jeddah*** in Arabic 01.20.2019 1110-1119 man talk till 1113, music pause, man Radio host interviewing other men, heard in lsb, deep slow qsb with strong qrn rustle, almost fair/poor at times when fading (Serra, Roma, Italy)

11885 **CHINA *China Radio Int'l*** via Xinyang at 0003 UTC February 3 in English with news followed by Language Cafe, Excellent // 11790 Very Good. (Delmage, AB)

11945 **SRI LANKA *Adventist World Radio***, Trincomalee, 1335-1340. Indigenous music followed by religious talk in Assamese by a man. Poor to moderate signal with heavy interference from Cuba on 11950. 1/23/2019 (Evans - TN)

11945 **AUSTRALIA *Reach Beyond***, Kununurra, 1241-1245. Talk in English between a man and a woman. Announcements at 1245 followed by talk by a woman. Weak signal with interference from Cuba on 11950, making it impossible to understand content. Also heard on 11865 with slightly weaker signal and talk in Hindi. 1/23/2019 (Evans - TN)

11945 **BULGARIA *Adventist World Radio***, Sofia / Kostinbrod, 1521-1525. Religious talk in Tamil by a man. Music at 1525. Moderate strength signal with moderate fading. 1/24/2019 (Evans - TN)

11975 **ROMANIA *Radio Romania Int'l***, 1-21-19, 1552 two men in discussion in Romanian. Weak, SIO222 (Cichorek-NJ)

12300 **CUBA *Radio Havana Cuba***, Feb 8 at 1352, RHC is S8-S3 but surging up a bit, 2 x 6150 which is S9 to S9+10, both slightly distorted. Something's always wrong at RHC (Hauser-OK )

13680 **ZAMBIA *Voice of Hope Africa***, Lusaka, 1316-1320. Religious talk in English by a man. Very weak signal, just above the noise, with minor fading. 2/3/2019 (Evans - TN)

13745 **THAILAND *Radio Thailand*** 0000 UTC January 17 sign on with English announcement from the Public Relations Department of the Thai Government wake up wake it is new hour. Usual minute or less missing at 0029 UTC for azimuth change. Sign off at 0059:30 UTC Very Good (Delmage, AB)

13745 **THAILAND *Radio Thailand*** in Thai. SIO 454, February 3, 2019, 0125 – 0132. OM speaker in Thai with long monologue and background MX. Good signal. Switch to YL announcer at 0127, with same program format. Pop MX songs with OM vocalists. (Henley, WA)

14670 **CANADA *CHU Standard Time Signal*** in EE and FF. SIO 444, February 3, 2019, 1624 – 1628. Good signal. Some minor QRN, but listenable. Not audible on 3330 or 7850. (Henley, WA)

15125 **CHINA *China Radio Int'l*** in EE. SIO 343, February 3, 2019, 0045 – 0051. Talk of political possibilities and impossibilities under the Chinese Communist system. YL interviewing a pundit. (Henley, WA)

15140 **OMAN *Radio Sultanate of Oman***, Thumrait in Arabic (no scheduled English program) 02.02.2019 1427-1444 Arab song, woman /man brief talk (ment. Oman), woman host talk with some women and man, first with Arabic music brief breaks at times, then from 1432 talking over drums sound in background (till 1438), Arab song, woman /man announcements over music, woman/man talk, with music brief breaks at times; heard in lsb, mild qsb, moderate qrn at times, good (Serra, Roma, Italy)

15160 **CHINA *China Radio Int'l*** in CC. SIO 555, February 3, 2019, 0108 – 0115. Pop MX program. YL announcer, YL and OM vocalists, excellent signal. Listed language is Mandarin. (Henley, WA) 15380 **CHINA. CNR 1** in CC. SIO 333, February 3, 2019, 0052 – 0056. Talk and MX, apparently a domestic broadcast. (Henley, WA)

15179 **SRI LANKA *AWR*** Trincomalee (p) in listed Karen 01.26.2019 1451-1458\* man talk, brief slow music pause, woman announcement, song, woman brief enhanced talk, slow song, woman final announcement, with brief song in between, S/off at 1458:05", heard in usb, mild qsb and qrn, fair (Serra, Roma, Italy)

15350 **TURKEY *Voice of Turkey***, Emirler in Turkish 02.02.2019 1014-1025 woman talk, music break, other woman / man announcements over slow music, nonstop local pop songs, heard in usb, very good with S.9+30 of peak and strong audio; in // 15480 good; (Serra, Roma, Italy)

15400 **UNITED KINGDOM *BBC*** 12/28 at 1600. Report on Syria in EE. Poor (McGuire-MD)

15425 **CHINA *CNR 1*** in CC. SIO 544, February 3, 2019, 0057 – 0100. Likely jamming VOA on same frequency. Talk, ads, MX. OM and YL announcers. Off air at 0100. (Henley, WA)

15425 **PHILIPPINES *Voice of America*** CC. SIO 333, February 3, 2019, 0100 – 0104. Listed as Mandarin, from Tinang. Yankee Doodle theme in ID. (Henley, WA)

15435 **UNIDENTIFIED *Unidentified*** broadcast in indeterminate language, possibly SS. SIO 222, February 3, 2019, 0104 – 0107. OM speaking in long monologue. Nothing could be found listed for this time and frequency. (Henley, WA)

15720 **NEW ZEALAND *RNZI*** in EE. SIO 444, February 3, 2019, 0116 – 0120. Comedy skits with live audience, YL announcer, (Henley, WA)

15775 **CHINA *CNR 1*** in CC. SIO 444, February 3, 2019, 0121 – 0125. OM and YL announcers, ads, MX clips, humor. Possibly set up to jam "Sound of Hope" from Taiwan on same frequency. (Henley, WA)

17490 **CHINA *China Radio Int'l*** in CC. SIO 444, February 3, 2019, 0028 – 0042. CRI in Cantonese. YL announcer followed by OM and YL alternating. MX background, clips from what sounds like Chinese Opera. Increasing QRN. (Henley, WA)






by Jerry Berg

**<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, January 27, 2019** — For most of its life, Voice of America QSLs for its foreign relay stations were obtained through Washington, and usually the QSLs were whatever standard VOA QSLs were in use at the time. There were exceptions, however, where VOA issued a special verification, or the relay station verified direct. We have gathered together some of these “out of the ordinary” VOA QSLs and posted them in a new “Specialized Resources” section called “VOA Foreign Relays—QSLs.” Check it out, and let us know if you have any other VOA QSLs from the foreign relay sites like these. — Jonathan Marks has resumed posting “new old” Media Network recordings to the Media Network Vintage Vault < <http://jonathanmarks.libsyn.com/webpage/category/Media%20Network%20Archives> > Please note that the item in the “Specialized Resources” page, “Media Network Vintage Vault: An Index,” contains only Vintage Vault postings made through 2016. There were no postings in 2017. There were some in 2018, and now, in 2019, many more are being posted. We will not be indexing this post-2016 material. For these postings, use the search box at the top of the Vintage Vault page, or scan the postings using the “Epsisodes” dropdown box at the top of the Vintage Vault page. For more details on using the pre-2017 index with the Vintage Vault, see the revised instructions in the latest version of the index, which we posted this week. Many thanks to Jonathan for preserving, and continuing to post, this treasure trove of media information.


**<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, February 3, 2019** — In Wavescan No. N507, November 11, 2018 < <http://www.ontheshortwaves.com/Wavescan/wavescan181111.html>> Adrian Peterson told the story of Westinghouse station KFKX, Hastings, Nebraska, one of the earliest American shortwave broadcast stations (it picked up KDKA on shortwave and relayed it on both shortwave and mediumwave). In Adrian’s presentation he describes a QSL booklet issued by the station, and since we have a copy, we are posting it under “DX History/Stations.” Earlier we posted another pamphlet about KFKX < [http://www.ontheshortwaves.com/Stations/KFKX\\_pamphlet.pdf](http://www.ontheshortwaves.com/Stations/KFKX_pamphlet.pdf)> To see the KFKX QSL card, look at < [http://www.ontheshortwaves.com/American\\_States\\_QSLs/American\\_States\\_on\\_Shortwave-QSLs.html](http://www.ontheshortwaves.com/American_States_QSLs/American_States_on_Shortwave-QSLs.html) > — Under “DX History on the Net/Stations and Countries on Shortwave,” we have added a new URL, “Danish Radio at Herstedvester” < <http://www.danskradio.dk/herstedvesterradiofonistation.html>> Anker Petersen has brought to our attention this new website about Radio Denmark and the Herstedvester transmitter site, which was in operation from 1934 to 1990, and also about the Danish Shortwave Club International and its “DX-Window” program, and DSWCI’s collaboration with Radio Denmark. Although the site is in Danish, Anker has kindly provided English translation for the main text. There are many interesting graphics here, and also a number of English-language recordings, some going back to the 1960s. Thanks, Anker.

**<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, February 10, 2019** — The BBC’s Radio Times began weekly publication on September 28, 1923, and for many decades it was the BBC’s main vehicle for communicating with domestic listeners in print. The mission of the BBC Genome

project < <https://genome.ch.bbc.co.uk/> > is to post online much of the information contained in The Radio Times from 1923 to 2009, and now they have done that. The issues from 1923 through 1949 are of particular value because they are posted online in their original look and format. After that you get only the program listings, and in text format, not in the original page views. For the years through 1949, this is a treasure trove of interesting information about BBC programs and early radio broadcasting generally. Under “DX History/Stations” we have posted a page from the December 9, 1932 issue, announcing that the BBC Empire Service would commence operation on December 19 (the BBC had been testing short-wave since 1927), and outlining some of the issues with which they were grappling at the time. International listeners were reached through another BBC publication, World-Radio, which was published from 1925 to 1939, when it was replaced by London Calling. It would be nice if some day these were posted as well. (Some World-Radio issues are on line at the American Radio History website < [https://www.americanradiohistory.com/World\\_Radio.htm](https://www.americanradiohistory.com/World_Radio.htm) > )

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> **Update, February 17, 2019** — Under “Specialized Resources/Wavescan,” we have added an index to our collection of Wavescan scripts that are so ably prepared each week by Adrian M. Peterson. All the Wavescan articles posted on our Wavescan page through February 10, 2019 are included in the index. The entries are listed in the index by country, or by subject, or both. — We have also added over 100 Wavescan stories that have not appeared in our list before. Many of these are from Wavescan programs that aired in 2001-2004, but some are from later years. These new entries are shown in red on our list, and are bolded in the new index. A reminder: You can do a word search on all the posted Wavescan issues by using the search box on our homepage. — We have also posted four new Wavescan entries: (1) “What is the Future for VOA on the Island of Tinian-1” (Wavescan N518, January 27, 2019); (2) “What is the Future for VOA on the Island of Tinian-2” (Wavescan N519, February 3, 2019); (3) “Ancient DX Report 1917” (Wavescan N518, January 27, 2019); and “The Radio Scene on the Islands of Macau-III” (Wavescan N520, February 10, 2019). — Finally, we have added a new recording in the “Specialized Resources/The DX Recordings of Colin Miller” section. It is the External Service of Radio Uganda, probably from the late 1970s. 

## NASWA Flashsheet

Are you getting the latest hot information about what is happening on the short-wave 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 short-wave news and information. The electronic newsletter is an excellent supplement to the monthly *Journal* for the timely dissemination of DX loggings and breaking news. 

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