

# NASA Notes

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Through the Shortwave Bulletin we learn of the recent passing of **Henrik Klemetz** "One of the most well-known and famous DXers of our time, Henrik Klemetz, passed away in his hometown, Borås, in the morning on September 21 as a result of a serious illness. Henrik had lived many years in Colombia where he met his wife. His knowledge of Spanish and Latin American cultures was amazing and irreplaceable. He was also a very skilled DXer though not active during recent years. In 1989 he wrote a book titled *Latin America by Radio* which still is a fantastic guidebook for identifying Latin American stations. For a very long time he has been helping DXers around the world with identification of Latin American stations and as well doing a lot of research. Often he discovered unlisted stations and could help DXers with verification's. His contributions to the DX community will always be remembered and we all have lost a wonderful friend."

This month **John Herkimer** takes us to Romania where Radio Romania International has been broadcasting to the world on shortwave. Recently, word has been received that the Radio Romania International has been threaten once again with closure (see this month's *Listeners Notebook* for the latest news about that situation). The last time Radio Romania was featured on the cover of *The Journal* was back in 2015 it was also threatened with closure. The cycle seems to repeat itself from time-to-time. *The Journal's* cover this month features several old QSL confirmation card designs as well as pennants, stickers, metal pins or badges and postage stamps. Radio Romania International's schedule appears periodically in the pages of our monthly *Listeners Notebook* column.

Thanks to **Ron Hunsicker** we learn that the Dayton Amateur Radio Association

(DARA) has signed a 5-year agreement to keep Dayton Hamvention at the Greene County Expo Center. The agreement was announced on September 9 by Hamvention General Chairman Jack Gerbs, WB8SCT. "It has been a wonderful experience working with the Expo Center team in the development of this agreement," Gerbs said. With the 5-year agreement signed, the Expo Center and Hamvention can move forward with additional enhancements to the facilities." DARA President Ron Cramer, KD8ENJ, said the Board, in approving the contract, noted that the relationship with the Expo Center and Greene County, the City of Xenia, and Xenia Township "has proven especially rewarding". Cramer said, "They all have worked hard to make Hamvention a success over the last 3 years. We look forward to a great relationship over the next 5 years and beyond." Hamvention's 2019 attendance was 32,472 -- the highest recorded since the move to the Exposition Center in Xenia in 2017, which was coordinated by Cramer, the Hamvention General Chairman in 2017 and 2018. The largest Amateur Radio show in the US, Dayton Hamvention is held the third full weekend in May. The dates for 2020 are May 15 - 17.

From KOVH's **Ray Robinson** we learned that several Gossell DRM radios were announced at the IBC, Amsterdam gathering in September. The company focused its IBC2019 efforts on unveiling five new products that all include DRM technology. During a presentation at their stand called "The Gossell Receiver—End to End Solution for Your Needs," hosted by the DRM Consortium, Gossell debuted the products that are designed to be applicable to both the consumer and industry markets. The products are the GR-22 portable DRM/AM/FM receiver; GR-227 DRM car adapter; GR-301 DRM/AM/FM monitoring receiver; GR-310 audio broadcasting monitoring platform; and the GR-AT3 high

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## Unity and Friendship



performance active HF antenna. Gospell also discussed developments of digital radio in China during their presentation. Unfortunately, how quickly any of these products might make it to the retail market wasn't provided.

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



# Musings

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*Please e-mail your Musings, preferably as MS Word attachments, to jalinebk@gmail.com or mail to Jerry Alice Lineback, 4422 Sierra Del Sol, Paradise, CA 95969-8116. Next deadline is October 23, 2019.*

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

A step forward and a step back it seems. The saga continues. They cleaned up the burned house next door, which is great, but in so doing they caused damage to the stucco on the side of our house facing that lot. We filed a claim, more litigation, everything seems to be a derivative of the fire. I did get one antenna up and the new AC is installed and working fine. We keep moving forward. Paradise Rises!

Please contribute to Musings.

73, Jerry Alice

## **Edward Cichorek, ejc82@comcast.net, Somerset, NJ**

On October 30, 1938, over a million- and- a- half listeners tuned in to the most famous radio broadcast of all time, War Of The Worlds, a dramatization of H. G. Wells' classic science fiction novel about a Martian invasion. There was, of course, panic and hysteria but no deaths resulting from the broadcast have ever been documented.

In 1947, the citizens of Ecuador had a similar hysterical reaction to Radio Quito's dramatization of the Mercury Theater's script. Panic-stricken residents fled into the streets. Later, when a mob of terrified listeners found out the broadcast wasn't real, they burned down the radio station (Ecuador's oldest) in anger. One radio station employee died in the blaze.

73, Ed

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

Early in the evening of May 17, 2019 (local time), I took my radios to Sioux Passage Park, located north of Florissant, MO. Once again, I took my Tecsun PL-600 portable receiver for shortwave DX; this time, I decided to break in a 30-foot portable longwire antenna I homebrewed after the Babler State Park DXpedition in November 2018. The antenna performed very well on this DXpedition. It was a partly cloudy evening with temperatures in the low 80s Fahrenheit.

The place I had planned to set up, near the boat launch area on the Missouri River, was closed by the Saint Louis County Parks Department due to the flooding at the time. I set up in a gravel parking lot about a quarter of a mile to the south instead. I set up the longwire antenna on an incline; the receiver was set on a folding table; I also brought a General Electric Superadio III for medium wave broadcast band DX. I started monitoring at 2330 UTC; the first thing I noted was a good signal from the Voice of Greece (ERT-1) on 9420 kHz at 2332 UTC. A discussion in Greek was noted. I noted two China Radio International relays via Quivicán, Cuba around 2340 UTC: 5990 kHz in English talking about Chinese culture and 13650 kHz with a discussion in Portuguese; both frequencies had good signals. At 2344 UTC, I heard Radio New Zealand Pacific on 13640 kHz with pop music and a discussion on politics in Australia. A good to fair signal was noted on this frequency, sometimes reaching local strength. At 2348 UTC, I noted University Network via WWCR Nashville, TN on 13845 kHz with a recording of a sermon by Dr. Gene Scott; a fair signal was noted, even with mild adjacent channel interference from New Zealand on 13840 kHz.

I was monitoring the MW broadcast band when the clock struck 0000 UTC on May 18. Several MW stations were running play-by-play of a regular season Saint Louis Cardinals Major League Baseball game; others were running Game Four of the NHL Western Conference Finals between the Saint Louis Blues and the San Jose (CA) Sharks. I resumed monitoring the shortwave bands around 0015 UTC, when I noted China Radio International via Kasgar in the western part of the People's Republic of China on 9590 kHz with commentary on the Trump Administration's tariffs on Chinese goods in Spanish, noting a fair to poor signal. The big surprise was noting Radio Havana Cuba on 12000 kHz (the second harmonic of 6000 kHz) at 0038 UTC with commentary in Spanish. A fair to poor signal was noted on the second harmonic frequency; a local-like signal was noted on 6000 kHz. I had time for one more log of a China Radio International relay via Quivicán, this time on 15120 kHz with light Chinese vocal music and a promo for CRI programs in Spanish, noting an excellent signal. I returned to the MW broadcast band to log more sunset DX until 0110 UTC, when I shut down and took down the antenna. The park shuts down about 30 minutes after local sunset; in this case, it was 0130 UTC. All Saint Louis County, MO parks close 30 minutes after sunset. The Sioux Passage DXpedition was the third one I've been on, following the Babler State Park DXpedition in November 2018 and the Marais Temps Clair DXpedition in December 2018.

At the home shack, I added an Apex 303WA-2 vertical antenna in September 2018. I have that antenna hooked up to the Yaesu FRG-7 (which I also use for MW broadcast band DX). It is a very good to excellent performer; I've been logging plenty of shortwave DX on that antenna. In June of 2019, I finally got my TV and FM DX antenna setup back together when two members of one of the local Amateur Radio clubs I am a member of installed a new antenna rotator (with a new control cable). I'm now back to DXing the FM broadcast band and broadcast TV (digital and analog). Inspired by the success of my homebrew DX antenna for my DXpeditions, I built a 30-foot longwire for shortwave DX. I hooked it up to the Sangean ATS-803A. The performance of this antenna is on par with both the 150-foot homebrew dipole (which I constructed in 2010). I hope to have my National NC-60 Special (which I bought at a Hamfest in 1998) retubed and back in service soon. I'm also planning my next DXpeditions; who knows where I might set up next?

73 and good DX from NØUIH, the Florissant Valley Dial Twister.

Neil Bartlett, Mt. Horeb, Wisconsin, nbartlett@uwalumni.com

The 26th Madison-Milwaukee DX get-together this year took place at Tim Noonan's house in Oak Creek, Wisconsin. As always Tim and his family were gracious hosts. A total of

34 attendees (plus spouses/partners) gathered on the third Saturday in August (which is the same each year).

A few highlights from this year's GTG: We were graced by the presence of Kevin Klein and Steve Zimmerman, who were instrumental in launching this back in the 1990s. Each of these guys are interesting and accomplished DXers and this was their first GTG since the third one in 1996.

Don Moore, veteran DXer and author of "Following Ghosts in Northern Peru" (2018) gave a talk about his experiences there. Don developed an interest in that region of the world after logging stations on shortwave during his high school years.

This year's attendance was in the range of recent GTGs. On the last five years, the peak attendance was 47, in 2018.

DXing can be a bit lonely and solitary sometimes. The camaraderie with other DXers is really special. It also doesn't hurt to carry a piece of paper in your shirt pocket because you'll get DX tips from other attendees.

Next year's GTG will be in Madison (Madtown), again on the third Saturday in August. If you can, hope you can make it.

73s, Neil

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



## NASWA Flashsheet

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

## 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.

# Publisher's Corner

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## Backlog is caught up...

I believe I'm now caught up for membership renewal processing, check depositing, and the other tasks associated with the regular cadence of getting the *Journal* out the door, so we should now be back on track with our publishing schedule. As for my ankle injury, I'm now out of the cast and into a walking boot. I can only put limited weight on the leg, which means I'm still using a walker and wheel chair to get around, but it's getting a bit easier every day. Thanks to all who have sent notes along the way!

## Welcome to those new to NASWA and those who have rejoined after lapsed memberships!

One consequence of the introduction of *e-Memberships* has been several folks joining us for the first time, or rejoining after years of absence. Welcome and Welcome back! Shortwave listening has certainly changed in recent years, and NASWA is here to document the changes and help you derive enjoyment from the listening hobby. Shortwave listening has always been a dynamic activity – stations, frequencies, programming content, equipment all evolve on an ongoing basis. Our continued existence as a nonprofit hobby organization is due to the continued dedication of column editors who keep tabs on the hobby, supported by members like you who contribute to those columns.

While we don't have a Beginners' Column as such, the *Musings* column is a less-structured, freeform column what would be a perfect place to ask questions and provide suggestions about any topic connected with the hobby – stations on the air, best times to listen, favorite Internet resources, interest in local shortwave hobby gatherings...all would be fair game. If you have interest in specific listening equipment, or have some extra gear to sell, we could include that as a musing as well.

I use my *Publisher's Corner* column to suggest possible Musing topics that might pique interest, but, in the end, it's up to us members to keep those ideas coming in.

## Speaking of *Musing* ideas...

As we're now officially into autumn (though you would never know it here in eastern Pennsylvania) DX season is finally approaching! I've been seeing some conversations regarding possible DXpedition locations in the northeastern USA for relatively large groups (15 or more DXers) but it occurs to me there likely are many locations that folks across NASWA's membership have used for DXing away from home over their time in the hobby. From my experience, there are a variety of settings that work for DXing, depending on group size and listening targets. I've been part of several years' worth of French Creek State Park DXpeditions here in PA, though admittedly I am not as diligent about submitting loggings as Rich D'Angelo. The state park environment – a fully electrified cabin with room for several hundred feet of longwire antennas out the back, along with a four-burner stove, full-size refrigerator, and a microwave oven – works out well. About the only downside there is that the upper bunk beds are too close to the ceiling for my slightly claustrophobic taste. But that's just me. I enjoy DXpeditions primarily because there's nothing else to distract me – no e-mail, no chores, no phone ringing – thus I am able to listen at times of the day when I would normally not tuning in a radio.

DXpedition locations would be a great topic for a musing for November, I'd think – because we still have most of the DX season in front of us at this point. So go ahead and put pen to paper, or fingers to keyboard, and get a musing into Jerry Alice Lineback. Let us know what your favorite places are and why.

Good listening – Richard / Publisher –  
Business Manager



# Listening Review

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Welcome to Listening Review for October 2019. This month, I have a few comments from my logbook, arising out of random listening.

## China Radio International

The CRI Polish service nearly always includes nice selections of Chinese music, mostly Chinese instrumental music, and also some Western orchestral music (possibly, I suspect) played by Chinese orchestras. These music features are heard most days in the last 30 minutes or so of each daily broadcast. For example, I listened on both 24 and 29 August at 2030UT on 6020 & 7305kHz to some very nice and gentle “chill-out” traditional Chinese instrumental music presented by a female host.

As an aside for any Polish speakers, the CRI program schedule found at <http://polish.cri.cn/1431/2013/10/14/21s121062.htm> is rather outdated (being dated 14 October 2013), however it shows the following daily program format

### Daily

- Current News
- Economic information
- Daily feature (Monday to Friday only)
  - \* Mon: China in the eyes of foreigners
  - \* Tue: Travel around China
  - \* Wed: Economic review
  - \* Thu: Chinese Society
  - \* Fri: World of movies / World of sport
- Learning Chinese language
- Music

I attempted to find more information about CRI’s Polish programming, but there is very little current information on their website, other than a few news links at the top of the home page, most other links are at least a year old, even up to several years old.

The CRI Polish service is aired daily from 2000-2100UT on 6020 and 7305kHz.

Whilst compiling this edition of Listening Review, I listened for a while to the CRI Albanian service (18 September at 1900UT on 7385kHz) which included plenty of modern Chinese pop music, including a Chinese rap and some nice ballads – one of which had something of a French accordion feel about it. Quite pleasant listening as it turned out to a program apparently entitled *China Music Box*, or as one English ID had it: “*This is China Pop Music*”. As with the Polish service, I searched the website at <http://albanian.cri.cn> for more information, however whilst the news features seemed fairly up to date, I could find nothing relating to either program or frequency information.

The program included a few canned IDs for “Radio Ejani”, which I guess is a division of CRI. I see from WRTH 2019 that R Ejani broadcasts on FM106.0MHz in Tirana (shown as a CRI relay).

The CRI Albanian service is aired daily from 1900-2000UT on 6020 and 7385kHz.

The CRI English service is currently airing a new series of programs called *Chords of China*. This is a CRI EZFM production (which seems to consist of 10 episodes only, at least as far as I can determine from the website at: <http://ezfm.cri.cn/shows/detail?programId=112&origin=other> ).

From the EZFM website:

“Exploring music from 9,000 years ago to modern times, “Chords of China” features the history and culture of

Chinese musical instruments. Each episode highlights a classical Chinese instrument, which carries the values of the Chinese culture. Touch the soul of melody, having more than nine millenniums of wisdom inspire you."

I have commented before about the lack of programming about Chinese music (whether traditional or modern) on the English service of CRI, so this series is very welcome. I first caught the program on 25 Aug at 0005UT on 9570kHz (via Albania) with a very interesting program about a musical instrument called the Sheng

From the EZFM website again:

"Humble but Beautiful: the Sheng. The sheng is a multi-reed mouth organ that consists of numerous bamboo pipes, varying in length. Some believe that the first shengs were brought to Europe in the 18th century, and enlightened the invention of western reed instruments. In this episode, you will hear heartwarming sounds and music from the infamous sheng master, Wu Tong. He will lead us on a journey toward an enlightened understanding of not only the sheng's history but also its uniqueness as an instrument of China's ancient royalty."

I caught the program again on 15 September at 0805UT on 17490kHz. This time the Chinese Drum was featured. I actually tuned in a few minutes late to this program amidst some lively drumming and first thought that the so-called fire-drake (jamming) program was being aired, but turned out to be another interesting feature.

Although there are only ten episodes, it is likely that they will all be repeated at least

once (if not more) so check the following times for Chords of China on Saturdays at 1805UT and Sundays at 0005, 0405, 0605, 0805 and 1205UT.

## Channel 292

29 August at 1920UT, I passed by Channel 292 on 6070kHz with an Abba song, so paused there for a while and found that there were back-to-back Abba songs from tune-in until 2020UT. I was almost tempted to have a little disco dance to the music ... but last time I tried that I nearly garrotted myself with the headphone cable, so contented myself to enjoying the music. Checking my music collection, I saw that this was the Abba Gold CD playing in its entirety. This is what I love about radio - and shortwave in particular - you never know what you are going to end up listening to. I had no plans to sit and listen to Abba songs for coming up for an hour now. I could have just listened to my Abba Gold CD - but it is so much better over shortwave!

## Radio Exterior Espana

30 August at 2200UT - I enjoyed R Exterior Espana on 9690kHz with a thirty-minute program of Joan Baez songs marking the end of her Farewell Tour which ended in Madrid in July 2019, and including some songs from her live concert at Woodstock in 1969. Most enjoyable. Hosted by Justin Coe, as has been the way for some time. However, finally the good news is that Alison Hughes has returned from extended sick leave and is now back on air on REE. She has been missed and I hope that she is now fully recovered.

Best wishes until next time - Alan



## NASWA Facebook Page

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



# International Broadcasting

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## USAGM CEO John Lansing moves on to NPR

Change at the top for US international broadcasting has been in the cards for several months, but the wheels began moving more quickly during September. On September, the US Agency for Global Media (formerly Broadcasting Board of Governors) announced that its CEO, John Lansing, is departing to become the president and CEO of National Public Radio (NPR).

In his statement about Lansing's departure ([bit.ly/2kwfAYs](http://bit.ly/2kwfAYs)), USAGM chairman Kenneth Weinstein praised the departing CEO for many accomplishments. This includes a "dramatic audience increase to 345 million people weekly." Because this "dramatic" audience increase did not have a dramatic explanation to go along with it, I expressed my doubts in the March NASWA Journal and in the USC Center on Public Diplomacy Blog ("The USAGM Audience Increase: Less Startling than Meets the Eye," March 27, [bit.ly/2ZMJu9N](http://bit.ly/2ZMJu9N)).

Lansing departs USAGM and heads to NPR with some controversy. Matt Armstrong, a former member of the BBG, wrote on his @mountainrunner Twitter account ([bit.ly/2m8brue](http://bit.ly/2m8brue)): "Be clear on one thing: the exiting CEO lied to the then-board, worked against the expressed instructions of the board, and deceived Congress and State about the board's positions... all to remove the board and the oversight & protection from political interference from [the White House]. ... you should realize and callout that the chief enabler for the politicization of @USAGMgov is @johnlansing." Which is not very clear.

And on September 11, The Daily Caller reported that Lansing "left a previous job [as president of Scripps Networks] after

dumping \$10 million in stocks after a federal investigation against the company was launched ... . Experts said he likely knew of the probe and that his behavior could amount to insider trading." However, one report in the partisan Daily Caller is not sufficient to establish that this story has legs, and there have been no similar reports elsewhere.

John Lansing's successor as CEO of USAGM would, if the Trump Administration and Republican allies had their druthers, be Michael Pack, a documentarian with conservative credentials and connections to Steve Bannon. Because of language in the FY 2017 Defense Authorization Act, Pack would be the first presidentially appointed CEO of the USAGM, after decades of senior managers of U.S. international being selected by the bipartisan Broadcasting Board of Governors. Pack's nomination, however, has been held up for more than a year by Senate Democrats.

And with the Pack nomination stalled, the USAGM board chairman declared on September 11 ([bit.ly/2m6tBMR](http://bit.ly/2m6tBMR)): "The Board still retains the authority to select and name a CEO, including an interim CEO until a Senate-confirmed CEO is in place. We are deliberating on that now." So there is the possibility of one more CEO or the USAGM to be selected by a bipartisan board, before the politically appointed CEO of the USAGM is installed, with the likelihood of changing the fabric of US international broadcasting.

## Trump-selected successor suddenly gets a hearing

And with the prospect of a non-political USAGM CEO, Michael Pack suddenly appeared at a hearing of the Senate Foreign Relations Committee. As reported by Dan Robinson, retired VOA correspondent and NASWA member ([bit.ly/2kz3nSS](http://bit.ly/2kz3nSS)), Pack pledged "to maintain journalistic integrity as a 'bedrock

principle' and support the independence of agency reporters" but also said that "USAGM must do more on 'molding global public sentiment.'"

Is USAGM to be in the business of reporting news independently, or "molding global public sentiment"? It can't do both, as these are contradictory and conflicting endeavors. The fact that Pack stuffed both into his opening statement does not bode well for US international broadcasting.

As reported by VOA News on September 19 ([bit.ly/2mBhzM1](http://bit.ly/2mBhzM1)), there may be further delays in the Pack nomination, although Republicans on the Senate Foreign Relations Committee could approve Pack on their own, moving the question to the full Senate.

And just as John Lansing was involved in an alleged scandal, so might Michael Pack, and this could be one of the reasons for the continued delay in his nomination. CNBC reported on September 20 ([cnb.cx/2msBLi0](http://cnb.cx/2msBLi0)) that Pack "has been funding his own private film company with donations from a nonprofit that he runs. ... [A]t least \$1.6 million in donations from his nonprofit [were] sent into the coffers of his independent production company, Manifold Productions, according to disclosure forms reviewed by CNBC."

These dueling scandals may be a symptom of the political hot potato that U.S. international broadcasting is becoming during this time of transition. Susan Crabtree in the conservative RealClear Politics ([bit.ly/2mBjujz](http://bit.ly/2mBjujz)) reports that "detractors argue that the USAGM has lost its way, and VOA coverage now reflects the same anti-Trump bias you would find in the New York Times, Washington Post or CNN, only in this case it's taxpayer-funded and directed at an international audience. Its airwaves are dominated by stories covering liberal priorities such as climate change, LGBT issues and pro-immigrant causes, the critics say. 'The Trump agenda keeps getting slammed


left and right,' a government official told RealClearPolitics. 'Why is the VOA acting like it's part of the resistance and opposition to Trump? That is not part of the VOA's charter or mission.'"

The next CEO of USAGM, whether Pack or someone else, will name the new director of VOA. And then VOA may sound and look and read very differently than it does now.

## **Cambio en Radio y TV Martí**

In other news of senior management transition, USAGM announced on September 20 ([bit.ly/2me0wgM](http://bit.ly/2me0wgM)) that Tomás Regalado, director of its Office of Cuba Broadcasting (Radio and TV Martí) has resigned. USAGM stated: "During his tenure Mr. Regalado developed a new satellite broadcast strategy, expanded digital and social media content, and supported the creation of unique content on topics not typically covered in Cuban media, including LGBTQ rights, climate change and the contributions of the Cuban-American community. USAGM's steadfast support for OCB's mission to provide accurate and reliable information to the people of Cuba remains unwavering, as does its commitment to Martí's staff and journalists."

The Miami Herald noted ([hrlld.us/2kxwMga](http://hrlld.us/2kxwMga)), with a touch of irony: "After his appointment in June 2018, Regalado expanded radio programming but dismissed several workers in charge of the [Martínoticias.com](http://Martínoticias.com) website. A few months later, the Cuban government announced that it would expand the internet service to cellphones." It added: "I think this is the biggest institutional crisis the stations have had," said a station worker who asked not to be named for fear of reprisal. The OCB has had three directors in three years. André Mendes and Malule González left office amid internal disputes."

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

# Shortwave Center

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*The weather is cooling down (at least in the northern states), the summer static is subsiding and improved DXing conditions are on the horizon. We kick off the first full month of autumn with an article written by NASWA member Vince Henley about his one-man desert DXpedition experience. Your article should be the next to appear in this space. Thanks for your interesting contribution, Vince!*

## SHORTWAVE DXING

### A High Desert Mini-DXpedition

by Vince Henley

Wyoming is the least populated state in the United States. It's often been said that there are more sheep than people there, but I've never verified that statistic.

The southwest corner of Wyoming is what I call "high desert" because it is arid and pushing around 7,000 feet above sea level. In this corner of the state, we find the town of Rock Springs, population around 23,000 people, a center for mining, oil, gas production, and near the world's largest deposit of Trona, a source of Sodium Carbonate. Interstate Highway I-80 runs through Rock Springs and provides easy recreational access to the Green River area.

I've been driving through that area for decades and always wondered what shortwave radio reception would be like in this thinly populated and elevated area away from sources of man-made noise.

In the summer of 2017, I found an isolated area some miles south of Rock Springs and attempted to set up a listening post for a few hours. I deployed a two hundred foot dipole and an **ICOM R-8600** receiver for this effort. I also had an exotic lithium-ion battery pack that should have run the radio for a day or so.

This exotic battery developed an internal fault and refused to output a single volt in the field, dooming that attempt. The unit is sealed and not field serviceable. I was disap-

pointed, but vowed to correct the problems and return another time.

Fast forward to late July 2019, when once again I found myself in Rock Springs, this time having covered as many contingencies of equipment as possible. I arrived in Rock Springs on the late afternoon of July 19 and checked into my hotel. I then drove to the site chosen for the listening post and used a **TECSUN PL-880** to survey the area for signals and noise.

No RF noise was detected, and there were no power lines. A Simplot fertilizer plant is behind a ridge two miles from the site, but if it generated any RF noise, I didn't detect it with the equipment at hand. The operation had a green light.

My alarm sounded at 0400 the next morning, July 20, after too little sleep. I topped off my ice and water and drove to the site. It was important to set up before the sun rose much above the horizon, and I did just that. My operating shelter was a screen room, twelve feet square, which would allow good air circulation while protecting me and all my equipment from the sun and any insects.

The planned equipment roster included my **ICOM R-8600** and an **RSP-DUO SDR**.

Power was supplied by enough low-tech, reliable, sealed lead-acid batteries to run the operation for a month, but I only expected to be operational for ten or twelve hours. A **Wellbrook ALA 1530 LNP NA** antenna with



**Figure 1 Overall view of the site after deployment.**

a **Hy-Gain AR-500 rotator** mounted on a light stand about twelve feet high would capture the signals. A small four hundred watt inverter provided AC power to run the rotator. More about that later.

The dipole would not be deployed as the Wellbrook had worked perfectly for this purpose in previous tests. Before I left home, I generated an azimuthal map centered on this site's geographic coordinates, and determined the magnetic variation, so I could point the rotator and null out strong signals that I wasn't interested in hearing. I set up two folding tables and a comfortable chair for an operating position, arranged the equipment, and cabled everything up. It all worked.

The date corresponded with a national heat wave in the United States, but the high desert of Wyoming, while warm, peaked at only 87 degrees F. I suspect I was lucky. However, a hot breeze blew that made it seem warmer, and severe dehydration became a possibility. I had plenty of water and ice to last the duration of the operation and I intended to stay hydrated. The wind became strong enough that something might blow away unless anchored. The screen room and the antenna stand were staked with large steel pegs and needed to be. No wind blew when I began the setup, but by the time mid-morning had arrived, the wind had increased and I was glad I had taken the time to anchor everything earlier.



**Figure 2 The operating position.**

The operation began at 1400 UTC or 0800 local time and I first did a 360-degree sweep with the antenna across several bands to verify the noise conditions. I found a bit of noise hash on all azimuths, and soon isolated it to the modified square-wave inverter used to power the 18VAC supply for the rotator. The solution was simple: turn off the inverter unless needed to rotate the antenna. With the inverter off, no noise of any sort, either audible or visible on the spectrum scope, existed. I thought this would prove a great listening site.

I first logged **VOA Deewa Radio** from Thailand with an SIO 555 signal. All the signals were strong. I didn't struggle to dig weak signals out of the QRN. The **Wellbrook** worked superbly despite my being unable to drive my ground rod into the rock more than about eighteen inches. The shallow ground worked well enough that I didn't stress about it. In fact, if I had driven the rod deeper, it would still be in Wyoming. The antenna could have been raised higher, but that didn't seem necessary. It had great performance where mounted.

The **ICOM R-8600** was used most often for listening, and it worked well. The **RSP-DUO** accounted for about ten percent of the contacts, and while the Duo is an excellent radio, I found no advantage to using it over the R-8600. The RSP-Duo became a backup radio.

I broke for lunch about halfway through the day and enjoyed just relaxing. The effect of rising at 0400 and working hard to deploy began to be felt, and I needed the break.

In the afternoon, my two best loggings were **Radio Algerienne** from France and the **Voice of Greece** from Greece. I never hear these stations in the Pacific Northwest. Albania and Turkey were logged, again, rarely heard in the Pacific Northwest, but strong at this site.

As the day waned, the hot wind took its toll, and despite my best efforts, fatigue

and dehydration increased. I terminated operations just before 2400 UTC after logging fifty-eight separate broadcast stations and began to pack everything up. It's always harder to pack up at the end of an operation than it is to deploy. This was true of this DXpedition but I managed it in good order.

After packing the van and making one last check to ensure I left nothing behind, including any trash, I drove back to my hotel in Rock Springs, rewarded myself with a steak dinner, and crashed early. Sleep came instantly.

I'd recommend this site, or any other like it, to anyone who wants a DX adventure for not much expense. Thorough preparation is essential, as there are no resources at such sites. Bring everything you are likely to need with you. These places have no power, no shelter, and no facilities of any sort. There is just clear, noise-free DXing.



**Figure 3 The Wellbrook and the highest terrain around.**

## SHORTWAVE DIGITAL (DRM)

# PRESS RELEASE - Gospell to Announce the DRM Monitoring System and Imminent Release of Portable DRM Receiver, and More



Chengdu, China - Gospell, a leading supplier of pay TV system and equipment, satellite TV receiving products and microwave products, announces its product lineup for IBC 2019. The company will debut several new products featuring DRM (Digital Radio Mondiale) for both consumer and industry market, including:

- **GR-22** Portable DRM/AM/FM Receiver
- **GR-227** D R M C a r A d a p t e r
- **GR-301** DRM/AM/FM Monitoring Receiver
- **GR-310** Audio Broadcast Monitoring Platform
  
- **GR-AT3** High Performance Active HF Antenna

Pictured (l to r) are the GR-227, GR-22 and an existing model, the GR-216.

**GR-22** is a sleek and classy portable radio from Gospell, the contemporary stylistics of exterior design fits in your personal style, crystal clear DRM digital radio and AM/FM brings practicality and comfort to your daily enjoyment.

Despite its pocket-size, it's a nifty full wave band receiver packed up in a tiny body that enables you to explore a wide variety of radio stations. It is also future-proofed for the next generation DRM-E technology.

You have access to all the presets, station names, program details and even Journaline news on the easy to ready large LCD in a simple and intuitive way.

Sleep timer - set your radio to automatically switch off or wake up at your convenience.

Listen to your favorite radio programs anywhere you like with 4 x AA batteries or connect it to mains. **GR-22** is a multi-functional radio that is flexible to your listen habits.

**GR-22** will be available for purchase on Q2 2020.

**GR-227** is a car digital radio adapter that utilizes most advanced interference and noise cancellation technology to receive digital radio in car while achieving the best audio quality and serve it to the car audio

system over aux cable or by transmitting over an unused FM frequency.

The receiver is fully compatible with DRM standard that is being deployed over the world, with its latest audio codec xHE-AAC. Based on software defined radio technology, **GR-227** is ready for the emerging DRM-E standard that extends the DRM broadcast to FM band.

**GR-301** is a high performance monitoring receiver that supports DRM, AM and FM. **GR-301** supports the collection of key parameters of audio broadcasting, including SNR, MER, CRC, PSD, RF level, audio availability and service information. The collection and uploading of parameters meets DRM RSCI standards.

The **GR-301** can work independently or be deployed with other receivers to become a node in the service evaluation network. The **GR-301** supports the xHE-AAC audio codec and is capable of handling the latest DRM-E standard through software upgrades.

**GR-310** is a management platform designed for audio broadcast monitoring and receiver control purposes. It manages the geographically distributed **GR-301** receivers. The platform can formulate receiving schedules, configure the receivers to perform receiving tasks, perform real-time Gospell Digital Technology Co.,LTD., browsing of the reception status, store historical data, and visualize the statistic data in a intuitive way.

In addition to monitoring and analyzing data, the **GR-310** platform also supports real-time audio monitoring and configuration of alarm conditions that will be triggered when rules are met.

**GR-AT3** is a high-performance active monopole antenna with reception frequency ranges from 0.3 to 50MHz. It is designed to work in harsh environments with respect to strong man-made noise and stern natural conditions. It is compact and easy to install; supplied accessories enable rapid

installation.

The antenna is comprised of a wide band amplifier in an IP67 waterproof aluminum body together with an active element made of a stainless-steel. The solid construction ensures durability and maintenance-free operation.

“We’re constantly working to ensure we’re bring the latest technology in our product”, says Haochun Liu, assistant to general manager. “These products underscore the Gospell’s commitment to providing easy access to high quality information at affordable prices. Both consumer and industry can benefit from it.”

Gospell exhibited these products at IBC 2019 in the Amsterdam International Broadcasting Convention (IBC) Hall 3 C67, September 13-17. To schedule a meeting at IBC 2019 or access a sample of the featured IBC showcase, email [haojq@gospell.com](mailto:haojq@gospell.com)

## About Gospell

Established in 2001, Gospell Digital Technology Co Ltd (GOSPELL). is a hi-tech enterprise with R&D, manufacturing, business consultancy and planning, trade, delivery, project implementation and after sales service, acting as a complete DTV and triple-play solution provider for Digital TV/OTT related projects. Headquartered in GOSPELL INDUSTRIAL PARK at Chenzhou, Hunan Province for CPE related production manufacturing, GOSPELL also has its office in Shenzhen for business/marketing management and administration, in Chengdu for R&D and headend/transmitter system production/debugging and Customer Service Center, and in 12 cities in China as well as international offices in India, Africa and Mexico.

[Ed. Note: These products are being targeted for the Indian and Chinese markets. There is no indication that any of these products will be made available in North America.]

# Special DRM Broadcasts Relayed During HFCC Meeting in Argentina

Special DRM shortwave transmissions were broadcast by Encompass Digital Media to coincide with the HFCC meeting in Buenos Aires, Argentina. Programs from BBC World Service, KBS, NHK, TWR and Radio Vaticana

were broadcast over the 4-day period.

[Source: Digital Radio Mondiale Newsletter, September 2019]

## U.S.-Based Shortwave Broadcasters Eye Digital Group seeks a path to “affordable, distributable” DRM receivers

by James Careless

(Radio World NewsBytes)

Relatively few Americans are aware of it, but the United States is home to many commercial/religious international broadcasters that transmit programming worldwide using analog shortwave radio transmitters. They

are supported by an industry group called the **National Association of Shortwave Broadcasters (NASB)**.

Unfortunately, analog shortwave radio transmissions are notorious for interference and signal dropouts. For listeners in other countries, the sound coming out of their shortwave radios lacks the superior



Members of the National Association of Shortwave Broadcasters are shown at their annual meeting in North Carolina, hosted by Trans World Radio.

audio range of domestic U.S. AM (yes, we said AM) and is often wracked with static and signal fading.

For years, NASB members have wanted to replace (or at least augment) the poor audio quality of analog SW with the crystal-clear sound of digital SW radio, specifically the **Digital Radio Mondiale** standard developed in Europe that is now being used in China and India.

“DRM sounds very much like FM, with a wide audio range and no static,” said Charles Caudill, president emeritus of **World Christian Broadcasting**, owner/operator of U.S. SW station **KNLS**. “It is also consistent: Either the DRM signal is received on your SW radio in full, or it isn’t. There’s no in-between.”

There are some DRM radios in use now, which is why some NASB members are offering limited DRM broadcasts alongside their regular analog SW transmissions. *[Ed. Note: There’s been some tests, but I am not aware of any regular DRM broadcasts either from or targeting North America.]*

“But the current generation of DRM SW receivers cost about \$100 each, whereas you can buy a cheap analog SW radio for as little as \$10,” said Dr. Jerry Plummer, a professor at Austin Peay State University in Clarksville, Tenn., and frequency coordinator for U.S. SW station **WWCR**. “Given that the audiences being targeted by **NASB** members are largely in the third world, the lack of inexpensive DRM receivers keeps them listening to analog shortwave.”

Mindful that other digital audio sources are gaining ground even in less-developed countries, the **NASB** has decided to take action. At its recent annual meeting in North Carolina, at the facilities of U.S. SW broadcaster **Trans World Radio (TWR)**, the **NASB** formed a DRM Receiver Working Group. Headed up by TWR engineer George Ross, this group has been “tasked to evaluate what it will take to get affordable, distributable DRM receivers,” Ross told *Radio World*. “What is holding DRM up is the lack of affordable receivers.”

## Chicken-and-Egg



DRM radio prototype from StarWaves.

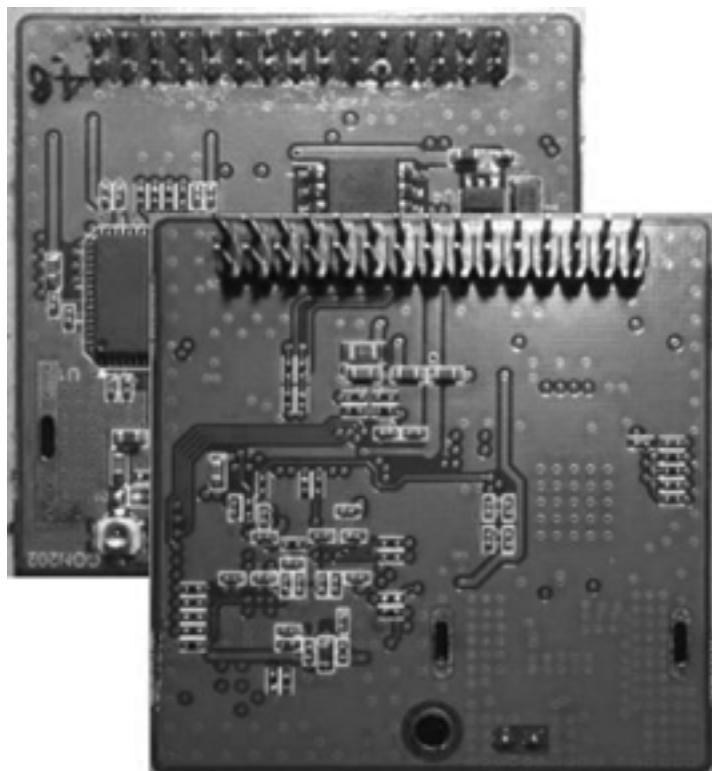
Given the NASB’s interest in low-cost DRM receivers, it was no coincidence that Johannes Von Weysenhoff was invited to speak at the annual meeting. Von Weysenhoff said his **StarWaves** manufacturing firm ([www.starwaves.de](http://www.starwaves.de)) has the technology, capability and existing prototypes to build DRM radios for \$29 each, but only if the sale order is large enough to deliver economies of scale. (He also estimated \$18 DRM modules could be built for installation in other radio models.)

“Twenty-nine dollars is doable at volumes starting at 30,000 receivers,” Von Weysenhoff told *Radio World*. “Even smaller quantities would be possible at this price for very simple radios — for example, without graphics displays — but these would be special projects that had to be discussed individually. But even more advanced radios with Bluetooth or premium designs will be possible to offer at a reasonable price,” he said — as long as the sales orders was in the tens of thousands or more.

Given that India and China have committed to the DRM standard, there appears to be a mass-market for these receivers. But the problem for **StarWaves** is finding the money to build enough of them to drive per-unit costs down.

“In recent years I have tried to convince quite a number of potential investors but either I have not yet found the correct audience, or I was not yet able to communicate this great opportunity convincingly,” said Von Weysenhoff. “You just have to imagine

that alone in India, according to **All India Radio**, there is a demand of up to 150 million receivers within the next few years. This market could have been served with tons of receivers by now and big profits could have been made, but instead I had to grow the development in very small steps.”



### Plug-in DRM module.

The money **StarWaves** needs is not huge: “An amount of \$150,000 or even \$100,000 would certainly do wonders and enable us to start production within a few weeks,” he said. “A commercial order of 10,000 receivers or more would have a similar effect.”

NASB’s members don’t have this kind of money available. Saddled with huge antenna farms and multiple power-devouring 50 kW to 500 kW transmitters, the commercial/religious shortwave broadcasting sector is tight for cash.

“Broadcasting DRM requires either a new transmitter or the modification of an existing transmitter,” said Kim Andrew Elliott, a retired **Voice of America** broadcaster and host of “Communications World” who has organized many demonstrations of DRM reception at the annual **Winter Shortwave Listeners Fest** going back to 2003.

“These days, many shortwave broadcasters are thinking about whether they should keep their existing shortwave transmitters on the air, rather than thinking about buying or modifying a transmitter.”

Their situation isn’t helped by the lack of audience measurements detailing SW’s far-flung listener base. Not only does a lack of SW ratings make it difficult to sell spots to advertisers, “but the squeaky, static-y sound of shortwave makes it hard for us to talk to the people at Coca-Cola, who fear that listeners will associate their product with inferior quality,” said Caudill.

The resulting conundrum is a classic chicken-and-egg dilemma. **StarWaves** and other DRM radio manufacturers don’t have the money to produce DRM radios in volumes that would make them cheap to buy.

“To determine when we can consider broadcasting in DRM, there needs to be a ‘completed broadcast network,’ i.e. broadcasts and receivers,” said Ross. “Without receivers, broadcasts are futile. So broadcasters are still waiting for manufacturing of receivers.”

Jeff White, general manager of U.S. SW broadcaster **Radio Miami International (WRMI)**, said, “We know it’s a chicken-and-egg situation, but no one is willing to invest a lot of time and money into transmitting DRM programs unless they know that there are at least some listeners out there who are able to hear the programs. The other factor is that there are probably billions of analog shortwave receivers out there, and more being manufactured every day in China. So there will still be a large audience out there listening to analog shortwave for a long time to come.”

### Inevitable?

Despite the hurdles being encountered by **StarWaves** and the NASB, there seems to be momentum growing for DRM. India’s move to DRM will create a mass-market for low-cost DRM receivers as soon as they become available. Meanwhile, China’s recent DRM deploy-

ments has made it “the world’s largest DRM shortwave broadcaster,” wrote Hans Johnson in *Radio World* earlier this year. “China operates the most DRM transmitters in this band and has the most extensive schedule.”

It is this context that U.S. SW broadcasters are making their DRM push.

“From my knowledge of the situation, many of these broadcasters have been interested in DRM since its inception,” said Christopher Rumbaugh, administrator for the blog [DRMNA.info](http://DRMNA.info) that covers DRM developments in North America. “The reason they are pulling together now is that the time is right for affordable receivers.”

His site posted a recap of NASB 2019 including Von Weyssenhoff’s NASB **StarWaves** presentation, at [drmnainfo.blogspot.com/2019/05/nasb-2019-after-action-report.html](http://drmnainfo.blogspot.com/2019/05/nasb-2019-after-action-report.html).

## **WRNJ: AM Stations Should Consider DRM+**

U.S. international radio broadcasters aren’t the only ones interested in the DRM digital radio transmission standard. **WRNJ** Radio co-owner Larry Tighe would like stations on the AM band in the United States to have the option of broadcasting using the DRM+ standard if they choose. Licensed to Hackettstown, N.J., “Oldies 1510 WRNJ” broadcasts on 1510 kHz and simulcasts on FM frequencies 92.7 and 104.7 MHz.

Mindful that the current AM band doesn’t have space to add DRM+ stations, he has filed a petition for rulemaking with the FCC, asking that the 45 to 50 MHz section of the VHF spectrum be reallocated for this purpose.

“The 45–50 MHz band was allocated to two-way radio users in business and government, who have since migrated to higher bandwidths where they can use handsets with smaller antennas,” said Tighe. “As a result, this spectrum is extremely quiet right now. WRNJ monitored this bandwidth for an extended period of time, and heard very few distant signals.”

According to Tighe, allowing AM broadcasters to broadcast in DRM+ on 45–50 MHz would vastly reduce their operating costs due to the more efficient broadcast coverage of DRM+, with 1 kW effective radiated power over DRM+ being equal in coverage to 5 kW ERP with AM. His FCC petition argues that allowing AM broadcasters to use DRM on 45–50 MHz would also free the FM band from the thousands of AM-operated FM translators now in use, thus reducing congestion for actual FM broadcasters.

Tighe’s FCC petition acknowledges that DRM+ radio receivers are not widely available to consumers but says that, “just like any new spectrum usage, receiver manufacturers will respond to the demand for new receivers.”

It remains to be seen what the FCC’s response to Tighe’s petition will be. Meanwhile, this New Jersey broadcaster also has his eye on the lower half of the once-busy VHF band for AM stations on DRM+.

“There were 660 TV stations between Channels 2 and 7 before the transition to UHF for HDTV,” said Tighe. “There are now only approximately 60 TV stations in the USA on those old VHF channels. There is plenty of spectrum to share with a new service, i.e., DRM+ or any modulation, if the FCC really wanted to move AMs.”



## **NASWA Facebook Page**

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



# Listener's Notebook

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Times are UTC and frequencies in kHz.

**AFGHANISTAN** Weak/fair signal of **Radio Afghanistan Ext.Sce**, September 13:

1530-1616 on 6100 YAK English/Urdu and off air:  
1616-1730 on 6100 YAK Ur/Ara/Rus are not on air  
(DX Mix-Bulgaria)

**ANTARCTICA** 15476, Sep 1, 1630, **LRA 36, Radio Nacional Arcángel San Gabriel**, Base Esperanza, 1630-1830, Latin American and Spanish songs, song by Leo Dan "Amor Divino". Very weak at first, but improving later. The best and clear signal for at least the last 30 days. (Méndez-Spain/Shortwave Bulletin) 15476, LRA 36, Radio Nacional Arcangel San Gabriel, Base Esperanza, at 1737-1750 on Sept 18, extremely weak here in Reinante Spain, weak carrier detected. Also with Saturday 21th September special program, at 1900-1927 on Sept 21, repeating the 1300 hours program, "Compartiendo Esperanza", "Celebramos la llegada de la primavera...", greeting and reading listeners mails and letters, songs. Extremely weak here in Reinante, but fair signal via SDR Kiwi remote receivers in Brazil and fair to weak signal via SDR Kiwi remote receivers in Iceland. (Manuel Mendez-ESP, hcdx Sept 23) 15476, LRA 36, open today earlier than other days, heard 1000-1045, Sept 26, songs in English detected with clear signal, here in Friol, at 1031 UT song "Happy", by Pharrell Williams. Some songs in Spanish. Strong fading, at moments clear signal and at moments de audio disappears. Seems that LRA 36 is increasing the transmission time with respect to past weeks. (Manuel Mendez-ESP, hcdx dxld Sept 26)

**ARMENIA** Reception of **FEBA Radio** via ENC-DMS Yerevan, September 9:

1730-1800 on 7510 ERV Silte, fair to good (DX Mix-Bulgaria)

**Trans World Radio TWR India** via GJSC Yerevan on September 22:

1530-1600 on 9300 English Sat/Sun, good signal (DX Mix-Bulgaria)

**AUSTRALIA** Weak signal of **Reach Beyond Australia** in 25mb, Sept. 16:

1200-1230 on 11875 KNX English Daily  
1315-1330 on 11750 KNX English Mo/We/Fr (DX Mix-Bulgaria)

5055, **Radio 4KZ**, 1215-1248:30\*, on Sept 1. Played all C&W songs; some commercial announcements, but not strong enough to make out; cut off mid-song. Still a challenge hear. BTW - Nothing heard on the future additional frequency of 2484/2485, for 4KZ. (Ron Howard-CA) 5055, Radio 4KZ, 1215-1246\*, Sept 24. Above average reception; ID'able pop songs (Jackie Wilson - "Your Love Keeps Lifting Me Higher And Higher," Stevie Wonder - "For Once In My Life," The Beatles - "Paperback Writer," etc.); some commercial announcements (not quite readable); some of the usual USB Spanish chatter QRM; cut off close to 1246\*. A good Aussie day! (Ron Howard-CA)

15575, **Reach Beyond Australia**, 15575, E-QSL in 7 days for e-report ro radio@reachbeyond.org.au and via web. v/s Margaret Penford. (Artur Fernández Llorella-Spain/PlayDX)

**AUSTRIA** Reception of **Oesterreichischer Rundfunk-1** in 49mb, September 16:

0500-0620 on 6155 MOS German Mon-Fri, very good (DX Mix-Bulgaria)

**NHK World Radio Japan** via MBR Moosbrunn, September 16:

0500-0530 on 5975 English, very good (DX Mix-Bulgaria)

**Adventist World Radio** via MBR Moosbrunn, September 16:

0603-0700 on 11880 Arabic, good signal (DX Mix-Bulgaria)

Reception of **Radio DARC#240** via ORS Moosbrunn, September 22:

0900-1000 on 6070 German Sun, good signal (DX Mix-Bulgaria)

**BOLIVIA** 3310, **Radio Mosoj Chaski**, full detailed E-letter in 9 weeks for e-report to radiomosojchaski@hotmail.com. V/s Anna de Wheeler. (Artur Fernández Llorella-Spain/PlayDX) 3310, Radio Mosoj Chaski, Cotapachi, Cochabamba, received email confirmation QSL letter in 19 days, for a reception report sent via email to: radiomosojchaski@hotmail.com. (Manuel Méndez-Spain/Shortwave Bulletin)

**BRAZIL** In our German TV and radio programs heard reports from Brazil, about cease all public radio organization services like **Radio Nacional**, and plans of President Bolsonaro to sell these national radio TV programs to the private Brazilian media corporations. And not line-loyal journalists in the state broadcasters to sack / dismiss soon. (Wolfgang Bueschel-Germany df5sx, wwdxc BC-DX TopNews Sept 3)

4775, Sep 1, 0445, **Radio Congonhas**, Congonhas, Brazilian songs, Portuguese, comments. Very weak. At about 0453 QRM from Trans World Radio, Swaziland on the same frequency. (Méndez-Spain/Shortwave Bulletin)

4885, **Rádio Clube do Pará**, E-QSL in 9 days for e-report to danielnx18@gmail.com v/s Daniel Wyllyams. (Artur Fernández Llorella-Spain/PlayDX)

11780, **Rádio Nacional da Amazônia**, QSL in 1 month for e-report to ouvidoria@ebc.com.br. (Artur Fernández Llorella-Spain/PlayDX)

15190.1, 14.08.19, 1420-1510, **Radio Inconfidencia**, Belo Horizonte, PP: sport NX+ID+NX+ Brazilian songs. Later SINPO improved to 24322. Back on this frequency after being off air a number of months. 14321. (Manuel Méndez-Spain/DX Fanzine)

**BULGARIA IRRS Radio Warra Wangeelaa** via SPL Sofia, September 21:

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

5900, **Overcomer Ministry** at 0235 with Brother Stair preaching and quoting the Bible. Poor-fair, Sept. 26. (Harold Sellers-BC/DXplorer)

**CHINA** 6050, **Xizang PBS**, e-QSL in 1 day. Report was sent to: yinglian@cri.com.cn. (Ivan Zelenyi-Russia/DX Fanzine)

9820, **Beibu Bay Radio**, QSL in 4 weeks for e-report to CRI English Service. v/s Ying Lian. (Artur Fernández Llorella-Spain/DX Fanzine)

10000, **BPM**, QSL in 22 weeks for e-report to kyc@ntsc.ac.cn. (Artur Fernández Llorella-Spain/DX Fanzine)

**CNR17** Kazakh service observed on Tuesday and Wednesday 27-28 August with English language lessons from 1219-1229 on 11630 and 9630. An announcement in Kazakh, English and Russian at 1219 for language lessons, maybe some other weekdays at the same time the lessons are in Russian? (Rumen Pankov-Bulgaria/British DX Club)

**CLANDESTINE Voice of Eritrean Lowlands** via MBR Issoudun on September 21:

1700-1730 on 15390 ISS Arabic Sat, good signal (DX Mix-Bulgaria)

Frequency changes of **JSR Shiokaze Sea Breeze** on August 30:

1300-1400 NF 5980 YAM, ex 5920 and 2nd freq. same time NF 6070 YAM, ex 6040 is as follows

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

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

1600-1700 NF 6090 YAM, ex 5935 and 2nd freq. same time NF 6165 YAM, ex 5980 is as follows

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

1630-1700 Korean Wed/Fri/Sat/Sun; Japanese Mon/Tue; English Thu

Frequency changes of **Furusato no Kaze** via Shio-kaze Sea Breeze, Aug 30

1405-1435 NF 5920 YAM Japanese Daily, ex 6090

1405-1435 NF 5980 YAM Japanese Daily, ex 6165 (DX Mix-Bulgaria)

**Manara Radio International** via TDF Issoudun, Sept. 17:

0700-0800 on 13840 ISS Hausa, fair signal (DX Mix-Bulgaria)

**Dandal Kura Radio International** via MBR Nauen, Sept. 17:

0700-0800 on 13590 NAU Kanuri, good signal (DX Mix-Bulgaria)

**Radio Dandal Kura International** via MBR Issoudun, Sept. 3:

1800-1900 on 11830 ISS Kanuri, very good signal (DX Mix-Bulgaria)

**Radio Ndarason International** via ENC-DMS Ascension, Sept. 2:

0500-0600 on 5960 ASC Kanuri, weak/fair signal  
0600-0700 on 7415 ASC Kanuri, wery weak signal (DX Mix-Bulgaria)

**Radio Ndrason International** via ENC-DMS Woofferton on Sept. 3:

1900-2100 on 12050 WOF Kanuri, very good signal (DX Mix-Bulgaria)

Updated A-19 of **Radio Ndarason International** via ENC-DMS Ascension & Woofferton:

0500-0600 on 5960 ASC Kanuri  
0600-0700 on 7415 ASC Kanuri  
0700-0800 on 12050 ASC Kanuri  
1800-1900 on 9775 WOF Kanuri  
1900-2100 on 12050 WOF Kanuri (DX Mix-Bulgaria)

Additional broadcast of **Radio Ndarason Int** via ENC-DMS on Sept. 17:

1800-1900 on 9775 WOF Kanuri, very good signal (DX Mix-Bulgaria)

Fair signal of **Eye Radio** via TDF Issoudun, September 2:

1559-1658 on 15410 ISS Juba Arabic\* Mon-Fri

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

Reception of **Koode Radio International** KRI via MBR Issoudun on Sept. 2:

1900-1930 on 9810 ISS Nigerian Fulfulde, fair/good signal (DX Mix-Bulgaria)

Reception of **Koode Radio International** via MBR Issoudun on September 7:

1730-1900 on 9810 MOS English Sat BVBroadcasting, very good

1900-1930 on 9810 ISS Nigerian Fulfulde Daily, good signal (DX Mix-Bulgaria)

**Radio ERGO** via ENC-DMS Al-Dhabayya on September 15:

1200-1300 on 17845 DHA Somali, good (DX Mix-Bulgaria)

Reception of **Voice of Oromo Liberation** via MBR Nauen, September 18:

1700-1730 on 15420 NAU Afan Oromo Wed/Fri/Sun, fair to good (DX Mix-Bulgaria)

Reception of **Radio Sinit Eritrea RSE** via MBR Nauen on September 21:

0500-0600 on 11660 ISS Tigrinya/Arabic Sat, fair to good (DX Mix-Bulgaria)

**Voice of Martyrs** via RRTM Telecom Tashkent, September 12:

1530-1600 on 7530 Korean, weak to fair signal (DX Mix-Bulgaria)

**Radio Ranginkaman** (Radio Rainbow) in Farsi to Iran has moved one hour earlier now 1630-1700 on 7580. (Ivo Observer / WRTH 5 Aug) LGBT station broadcasting to Iran. (British DX Club)

**Dimtse Radio Erena** via SPL Secretbrod, September 13:

1700-1730 on 9720 Tigrinya Daily  
1730-1800 on 9720 Tigrinya, not Arabic Fri  
1730-1800 on 9720 Tigrinya Tue/Thu/Sat-Mon (DX Mix-Bulgaria)

**Free North Korea Radio** via RRTM Telecom Tashkent, Sept. 14:

1200-1400 on 11510 TAC Korean, very weak signal (DX Mix-Bulgaria)

Frequency changes of **Voice of Tibet**, September 15:

1230-1235 NF 9899 DB Tibetan, ex 9875  
1235-1242 NF 9889 DB Tibetan, ex 9866  
1242-1305 NF 9876 DB Tibetan, ex 9899  
1305-1311 NF 9889 DB Tibetan, ex 9886 (DX Mix-Bulgaria)

9670, **Radio Dap Loi Song Nui**, 1230-1300, daily Vietnamese with 100 kW from Paochung, Taiwan. Aoki Nagoya Japan frequency database show Paochung Taiwan origin. Paochung signal is exact 9670, and accompanied by two jamming peak signals - likely from Vietnamese security organization forces unit, on 9669.120 peak of scratching sound, 9671.420 a dither audio tone. (Wolfgang Bueschel-Germany/TopNews)

9810 on Sept 3, at 1915-1925, **Koode Radio International**, via MBR Cologne FMO brokery, via TDF Issoudun-F shortwave relay site, in Fulfulde. Man announcer in conversation; 1918 Woman voice and ID and a brief song; 1920 man announcer talks; ID. Good reception, 45544. (Jose Ronaldo Xavier-Brazil, hcdx Sept 3/TopNews)

11530, **Radyo Denge Welat** via PRTC, E-QSL from PRTC in 2 days for e-report to prtc@idknet.com. v/s Sergey Omelchenko. (Artur Fernández Llorella-Spain/DX Fanzine)

17845, **R. Ergo** via Dhabbaya, UAE. Aug.10 at 1215-1300(S/off) in Somali. SI0353. Talk & local song. (Hayashi-Japan/Japan Shortwave Club)

**CONGO** 6115, 30.08.19, \*0534-0610, **Radio Congo**, Brazzaville, FF: TK+NX+Afro songs. 24322. (Manuel Méndez-Spain/DX Fanzine)

**CUBA** Reception of **Radio Habana Cuba** in 60mb on September 11:

from 0500 on 5040 BAU English, fair (DX Mix-Bulgaria)

**CZECH REPUBLIC** For 83 years now listeners of Czech Radio's "External service" broadcasts have been accustomed to hearing our specific call-sign. Both the call sign and the station's name have changed over the years. Another small change is now in the pipeline. As of September 1 - Radio Prague will become **Radio Prague International**- use our audio slider for a walk down memory lane. (DX Mix-Bulgaria)

**DENMARK** Weak to fair signal of **World Music Radio**, September 8:

from 1000 on 15805 0.2 kW English Sat/Sun (DX Mix-Bulgaria)

**World Music Radio** (WMR) is broadcasting 24 hours a day seven days a week with a mix of tropical world music - on www.wmr.radio and on short wave 5840. As from 24 August WMR is also broadcasting to southern and central Europe on short wave 15805 (Saturday-Sunday 0700-2000) with 200 Watts into a 3 element yagi beamed south. (this is a change in the beam which had previously been beamed north). Reception reports are welcome at wmr@wmr.dk and by post to World Music Radio, P. O. Box 112, DK-8960 Randers SØ, Denmark. (WMR via Alan Pennington-UK/British DX Club)

In a completely unexpected move, the Danish authorities has withdrawn the permission to use out of band frequencies (on a non-interference basis) for **World Music Radio** (WMR). This means that WMR will be ceasing operations on 5840 and 15805 tomorrow Sunday September 15th 2019 at 2200. WMR may return to shortwave - using frequencies inside the official shortwave bands, but this may take several months.

Current schedule of **WMR** is:

0000-2400 on 5840 RND 0.1 kW Daily, Sept. 15 till 2200  
0700-2000 on 15805 RND 0.2 kW Sat/Sun & will be off air! (Stig Hartvig Nielsen-Denmark)

Final day of **World Music Radio** on 5840/15805, September 15:

till 2200 on 5840 RND 0.1 kW Music and will be off air

till 2000 on 15805 RND 0.2 kW Music and will be off air due to the Danish authorities has withdrawn the permission to use out of band frequencies. WMR may return to shortwave - using frequencies inside the official shortwave bands, but this may take several months. Thanks for listening to WMR on shortwave for the past almost two years!! (Stig Hartvig Nielsen-Denmark)

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cies (on a non interference basis) for **World Music Radio** (WMR). This means that WMR is now ceasing operations on 5840 and 15805. Thanks for listening to WMR on short wave for the past almost two years. Please keep listening via internet streaming. (Joerg Hoffmann-D via wwdxc BC-DX TopNews Sept 14)

**Radio OZ-Viola** has updated his Facebook page. He said: "Unfortunately, our good friend and colleague had to stop his broadcasts on 5840 and 15805 since he cannot get his licenses renewed from the authorities. The same can happen for us when we try to renew ours in a few months." Jan who runs OZ-Viola said in the comments section that the Danish authorities had issued him and WMR with a temporary 'trial frequency' which had to be renewed annually. He usually operates on weekend afternoons and some weekday evenings. I just checked Radio Oz Viola's Facebook page but there's no announcement on there as yet but this is obviously going to affect them as well as they use 5825. Last post was on Sept 12: "Sorry ?... We have no broadcast in the weekend '14 - 15/9 2019', due to family party, so we hope to 'see you' next weekend on the frequency." (Paul Watson-UK BrDXC-UK newsgroup Sept 16)

**ECUADOR** 6050, **HCJB** at 0222 with song in Spanish, man in Indian language, Andean pan flute music, starting before 0230 there were closing announcements, mention Ecuador, National Anthem by orchestra and choir, 0233 off. Fair, Sept. 26. (Harold Sellers-BC/DXplorer)

**ENGLAND KBS World Radio** via ENC-DMS Woofferton on September 11:

1900-2000 on 6145 French, good signal (DX Mix-Bulgaria)

Radio **Akhbar Mufriha** via ENC-DMS Woofferton, September 17:

2100-2115 on 7300 Tachelhit, fair signal (DX Mix-Bulgaria)

**EQUATORIAL GUINEA** 5005, 13.08.19, \*0520-0538, **Radio Nacional de Guinea Ecuatorial**, Bata, SS: opens with Afro songs, TK, at 0530 PX "Panorama Nacional". 15321. (Manuel Méndez-Spain/DX Fanzine) 5005, Sep 2, \*0520-, Radio Nacional, Bata, open with African songs, at 0525 male: "Son las 6 y 25 minutos", more songs. (Méndez-Spain/Shortwave Bulletin)

**ESWATINI Trans World Radio Swaziland** signs on with English IDs and jingles Mon-Fri at 1555 on 13580 (ex 15105) then programmes in Kirundi. Good reception in Southern England. (David Ansell-UK/British DX Club)

**ETHIOPIA** 6090, **Amhara Radio**, 6090, full detailed E-letter in 10 days for e-report. v/s Bekele Asegie, Editor in Chief. (Artur Fernández Llorella-Spain/PlayDX)

6110, **R. Fana**, Addis Ababa, Ethiopia. Aug.9 at 2040-2101(S/off) in Oromo(?). SI0353 to 343. Telephone interview & local songs. ID at 2100, then anthem. (Nagatani-Japan/Japan Shortwave Club)

**FRANCE** Fair signal of **Radio France International RFI** in 19mb, September 3:

1200-1300 NF 15300 ISS French from Sept. 1, ex 13740

1200-1300 NF 15390 ISS French from Sept. 1, ex 13855 (DX Mix-Bulgaria)

Very good signal of **Radio France International** in 31mb September 4:

0600-0630 NF 9840 ISS Hausa from Sept. 1, ex 13750  
1600-1700 NF 15670 ISS Hausa, ex 13690 (DX Mix-Bulgaria)

**TDA Telediffusion d'Algerie** via TDF Issoudun frequency changes:

0500-0559 on 6125 ISS Arabic Holy Quran till Sept. 28  
0500-0559 on 7295 ISS Arabic Holy Quran from Sept. 29  
2000-2059 on 9510 ISS Arabic Holy Quran till Sept. 28  
2000-2059 on 12060 ISS Arabic Holy Quran from Sept. 29

2000-2059 on 9655 ISS Arabic Holy Quran till Sept. 28  
2000-2059 on 7275 ISS Arabic Holy Quran from Sept. 29 (DX Mix-Bulgaria)

Reception of **Telediffusion d'Algerie** via TDF Issoudun, Sept. 10:

from 0503 on 6125 Arabic HQ/French, fair signal  
from 0503 on 9535 Arabic HQ/French, good signal  
0600-0659 on 9620 Arabic Holy Quran-good signal (DX Mix-Bulgaria)

**Alameda Bible Fellowship** via RMI Issoudun in 22mb, September 11:

1700-1730 on 13660 ISS English Mon/Wed/Fri, fair (DX Mix-Bulgaria)

**Alameda Bible Fellowship** via RMI Issoudun in 25mb September 11:

1930-2000 on 11860 English Mon/Wed/Fri, good (DX Mix-Bulgaria)

Reception of **Radio France International** in 25mb, September 17:

0530-0600 on 11790 ISS Swahili, good signal (DX Mix-Bulgaria)

**NHK World Radio Japan** via MBR Issoudun, September 20:

0530-0600 on 11730 French, very good (DX Mix-Bulgaria)

Reception of **Radio France International** in 31mb, September 17:

0600-0630 on 9840 ISS Hausa, good signal (DX Mix-Bulgaria)

**GERMANY** Rumen Pankov heard **DW** English at 1600-1700 on 15275 // 13770 with "Africa Link" on 15 August, and again in English on 17 and 22 August, instead of scheduled Amharic at this time. Rumen queried this and received a reply from Damian Gracht of DW Customer Service "This was a mistake by the provider that we use to broadcast our shortwave signal. They mistakenly sent the English programme instead of Amharic. Our English radio programs have not been broadcast on shortwave for two years. They are only distributed via the Internet and local FM stations in the target markets." (Rumen Pankov-Bulgaria/British DX Club)

**Evangelische Missions Gemeinden EMG** via MBR Nauen on September 21:

1030-1100 on 6055 NAU German Sat/Sun, fair/good (DX Mix-Bulgaria)

Reception of **BVBroadcasting** via MBR Nauen, September 21:

1430-1458 on 15265 NAU English Sat, good (DX Mix-Bulgaria)

Frequency change of **The Mighty KBC Radio** from Sept. 1:

0000-0200 NF 5960 NAU English Sun, ex 9925 (DX Mix-Bulgaria)

Reception of **DWD Deutscher Wetterdienst** in 49mb on Sept. 11:

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

**Bible Voice Broadcasting** via MBR Nauen in 31mb, September 6:

0501-0516 on 9735 Arabic/English Fri, good (DX Mix-Bulgaria)

Reception of **Missionswerk Friedensstimme** via MBR Nauen, September 7:

1200-1230 on 13710 Russian Sat, fair/good signal (DX Mix-Bulgaria)

Reception of **HCJB Voice of The Andes** via MBR Nauen, September 21:

1529-1629 on 13800 Russian/Chechen, good to fair (DX Mix-Bulgaria)

**Radio Free Asia** in 16mb via Lampertheim, September 11:

1200-1300 on 17720 Tibetan, good signal  
1300-1400 on 17860 Tibetan, good signal (DX Mix-Bulgaria)

**Bible Voice Broadcasting** via MBR Nauen in 31/25mb, September 13:

0501-0516 on 9735 Arabic/English Fri, very good  
0600-0615 on 11655 Arabic Dardasha 7, very good (DX Mix-Bulgaria)

New schedule of **Shortwave Radio for Europe**, September 16:

1400-2200 on 6160 WIS 001 kW English, ex 16-22  
1600-2300 on 3975 WIS 001 kW English, unchanged (DX Mix-Bulgaria)

**Bible Voice Broadcasting** via MBR Nauen in 31mb on September 20:

0501-0516 on 9735 Arabic/English Fri, very good (DX Mix-Bulgaria)

6180, **Deutscher Wetterdienst** (Pinneberg) German Service. QSL received in 13 days for report sent to: schiffahrt@dwd.de. (Jacques Augustin-France/British DX Club)

**GUAM** New schedule of **KTWR Trans World Radio Asia** in DRM from September 15:

1026-1056 on 11995 English Tue DRM is cancelled  
1026-1056 on 11995 English Wed DRM - no change  
1026-1056 NF 9900 English Thu DRM, ex 11995  
1026-1056 NF 15200 English Sun DRM, NF/time  
1215-1245 on 11580 English Sat DRM is cancelled (DX Mix-Bulgaria)

**GUATEMALA** 4055, 31.08.19, 0503-0610\*, **Radio Verdad**, Chiquimula, EE: Rlgs TK/songs+ID in many languages, NA and s/off. Better on LSB. 15321. (Manuel Méndez-Spain/DX Fanzine) 4055, Radio Verdad at 0250 with classical theatrical songs and orchestral music; not sure if it was Spanish. - Fair, Sept. 26. (Harold Sellers-BC/Dxplorer)

**INDIA** Sad news, **All India Radio** closed SW transmitters:

**AIR Shillong** 4970/7315 Home Service

**AIR Kurseong** 4895/7230 Home Service

**AIR Port Blair** 010 kW Home Service - 0300-0900 on 7390 Hindi, 1030-1600 on 4760 Hindi, 1600-1630 on 4760 English and 1630-1700 on 4760 PBL Hindi

**AIR Mumbai External Service** - 0030-0430 on 7340 Urdu, 0830-1135 on 7340 Urdu, 1135-1140 on 7340 English, 1230-1500 on 7340 Sindhi, 1500-1600 on 340 Baluchi and 1745-1945 on 11935 English (DX Mix-Bulgaria)

Details of All India Radio shortwave transmitter shut down very recently announced follows:

4760/7390, the 10 kW SW transmitter of **AIR Port Blair** has been decommissioned (so now when we hear a AIR station on 4760, we will know for sure that it's Leh - Ron]. (Jose Jacob, via dx\_india yg via Ron Howard-CA)

4835, **AIR Gangtok** (presumed), 1342-1417, Sept 24. A day with good audio (above threshold level); not the often heard transmitter hum; QRN (static); announcers and subcontinent music/singing. Best reception today, as is always the case, was around my local sunrise (1356). (Ron Howard-CA/DX-India)

4895/7230, **AIR Kurseong** 50 kW SW transmitter is permanently off the air from 7 August 2019. (They are only on FM now 103.5 10 kW & 102.3 5 kW). (Jose Jacob, via dx\_india yg via Ron Howard-CA)

4970/7315, the 50 kW SW transmitter of North East Service, **AIR Shillong** has also been decommissioned. (This was one of my favorite stations, as it was the strongest regional AIR station, that I enjoyed for many years. Loved the fact that they gave so many local IDs - Ron). (Jose Jacob, via dx\_india yg via Ron Howard-CA)

5040, **AIR Jeypore**, Sept 15 at 1222, with indigenious chanting; 1230-1235, relay of the Delhi news in English; 1329-1345, announcers in anticipation of today's cricket match between India and South Africa to be held in Dharamsala (India), with discussion about cricket, but there was no actual coverage of the game, as it was not played due to rain; 1345-1355, usual news in Hindi; nice subcontinent music/singing. My local sunrise was at 1349, while Jeypore's sunset was at 1232 UT, which worked out well for this reception, even with the QRN (static). Suddenly went off the air for about a minute at both 1346 & 1417. While I can I am enjoying can, I'm enjoying the remaining AIR stations that are presently on SW! Who knows how long they will remain broadcasting? (Ron Howard-CA) 5040, AIR Jeypore from 1326 to 1355, on Sept 18. "Namaste," followed by brief National Anthem; coverage in both English and Hindi of the India vs South Africa cricket match; news break in Hindi (1345-1355). (Ron Howard-CA)

7340/11935, **AIR Mumbai** 100 KW SW tx carrying External Services has also closed down. (Jose Jacob, via dx\_india yg via Ron Howard-CA/DX India))

4760, **AIR Port Blair**, QSL in 7 weeks, 4950, **AIR Srinagar**, QSL in 5 months. 4970, **AIR Shillong**, QSL in 19 weeks. 9380, **AIR Aligarh**, QSL in 15 weeks. 9445, **AIR Bangalore**, QSL in 6 months all for e-reports to spectrum-manager@air.org.in. (Artur Fernández Llorella-Spain/PlayDX)

9865, **A.I.R. Vividh Bharati** at 1414 in Hindi, song, marching band music leading into instrumental music as man spoke; listened again at 1432 to what sounded like a drama. Good, Sept. 4. (Harold Sellers-BC/DXplorer)

**INDIA (KASHMIR) BBC WS** steps up SW broadcasts in Kashmir during media shutdown "The BBC World Service has extended output on shortwave radio in Indian-administered Kashmir to provide reliable news and information. The director of the BBC World Service, Jamie Angus, said: "The provision of independent and trusted news in places of conflict and tension is one of the core purposes of the World Service. Given the shutdown of digital services and phone lines in the region, it's right for us to try and increase the provision of news on our short wave radio services. Audiences in both India and Pakistan trust the BBC to speak with an independent voice, and we know that our reporting through several moments of crisis this year has been popular and valued by audiences who turn to us when tensions are highest. The shutdown has left people with very few options for accessing news at this time. However, news services from the BBC continue to be available in the region – through shortwave radio transmissions in English, Urdu, Hindi, Dari and Pashto." (BBC press release 15 Aug/British DX Club)

**INDONESIA** 3325, **RRI**, Palangkaraya at 1334 with Voice of Indonesia in English, talk, music, mention "culture" and at 1343 ID "This is Voice of Indonesia in Jakarta.." Good level (my sunrise was 1316) but poor overall due to static, Sept. 4. (Harold Sellers-BC/DXplorer) 3325, Voice of Indonesia, via RRI Palangkaraya, on Sept 9, was a very special day here. Not only was there audio, which is rather rare, but heard a song I had not heard on SW for several years. I last reported hearing it back on Sept 6, 2017. Today, 1400-1409, with news and commentary in Bahasa Indonesia; followed by the distinctive patriotic song "Garuda Pancasila" (aka: "Mars Pancasila"), which was composed by Sudharnoto, with lyrics about the loyalty of all Indonesian people to Pancasila as the only ideology or philosophy of the Indonesian nation. Am very pleased with today's reception! (Ron Howard-CA) 3325, Voice of Indonesia, via RRI Palangkaraya, 1314-1318, Sept 22. English segment (1300-1400); program "Today In History" (this date 1980, Iraq invaded Iran [start of Iran-Iraq War], etc.); a rare day with audio level semi-readable, instead of the usual carrier (no audio). (Ron Howard-CA)

**JAPAN** Typhoon No. 15 (Faxai) attacked Tokyo Bay area with 60m/s severe wind on September 8. Especially Chiba prefecture, at the eastern side of Tokyo Bay, was severely damaged. After the typhoon, **Radio Nikkei** announced they have been transmitting the 1st program (regularly 6055 with 50 kW) from Nagara transmitter site, also located in Chiba prefecture, with reduced power, due to the trouble of the transmitter. They do not announce whether the trouble was caused directly by the typhoon. (Takahito Akabayashi-Japan via wwdxc BC-DX TopNews Sept 14)

**KOREA (NORTH)** A DRM transmission from North Korea was reportedly heard on 3560 at various times yesterday and today (20 and 21 August). (Chris Greenway-UK) **Pyongyang Broadcasting Service** in Korean - it was heard on an SDR receiver in South Korea. (Alan Pennington-UK) North Korea has tested DRM on 3560 in the past, reported in 2017 and back in 2012. Haven't seen DRM from North Korea mentioned by the DRM Consortium, who are usually keen to promote any DRM broadcasts though. (Alan Pennington 22 Aug) Noticed the DRM label reads BBFF, a Chinese transmitter maker that has sold North Korea SW txs in the past. 3560 had been with Dream label earlier in the week. (twitter.com/swwinb 23 Aug/British DX Club)

7570, **Voice of Korea**, French service. QSL received in 140 days for report sent to. Voice of Korea, Pyeongjiang, Democratic People Republic of Korea. (Christian Ghibaudo-France/British DX Club)

**KOREA (SOUTH)** Reception of **KBS World Radio** in 31mb on September 10:

1400-1700 on 9785 KIM English, fair/good (DX Mix-Bulgaria)

9100, **Echo of Hope - VOH**, 1200-1210, Sept 22. Just after their English language lesson ended at 1200, there is a ten minute program called "Radio Yeogsa Geugjang" (Radio History Theater), produced by "EBS" (Korea); it's a historical drama presentation, going back to the time of the Goryeo/Koryo Dynasty (918-1392). When I first heard this program ID for the first time, thought that it was a new station ID, but not so. Thanks to the ongoing support from Amano-san (Japan), who provided me with the correct info. // 3985 // 4885 // 5995 // 6250 // 6350. (Ron Howard, Asilomar State Beach, CA)

**KUWAIT MOI Radio Kuwait** on 15110v in AM, instead of DRM mode on September 9:

0945-1000 on 15109.7 Persian, instead of Arabic DRM  
1000-1200 on 15109.7 Filipino, instead of Arabic DRM  
1200-1325 on 15109.7\* Arabic GS in AM, instead  
of DRM

1055-1325 on 9749.8 Arabic GS in AM is parallel A19

\*12-13 on 15110.0 URU Chinese China Radio Int.  
co-ch! Something's always wrong at MOI Radio  
Kuwait Kabd Sulaibiyah transmitting station (DX  
Mix-Bulgaria)

**MOI Radio Kuwait** in Filipino on two frequency in  
// on September 19:

1055-1200 on 9749.8 Filipino, instead Arabic GS  
1000-1200 on 17760.0 Filipino, as scheduled A-19  
1200-1330 on 9749.8 Arabic GS as scheduled A-19  
1200-1205 on 17760.0 Arabic GS, unscheduled A-19.  
Something's always wrong at Radio Kuwait Kabd  
Sulaibiyah transmitting station. (DX Mix-Bulgaria)

Unscheduled broadcast of **MOI Radio Kuwait** on  
15530v, September 23:

0500-0800 on 15529.7 KBD English as scheduled  
in A-19

0800-0817 on 15529.7 KBD Farsi, unscheduled from  
0800. Something's always wrong at **Radio Kuwait**  
Kabd Sulaibiyah transmitting station! (DX Mix-  
Bulgaria)

15090, **Radio Azadi** via Kuwait, eQSL in 3 days.  
The Reception Report was sent to: qsl@usagm.gov.  
(Ivan Zelenyi-Russia/DX Fanzine)

15110, **Radio Kuwait** bumping on at this time with  
Tagalog program right now on 1115+ with great  
signal of S10 and very good audio (Sept. 10). After  
news, ID with email info and phones with program  
from a local station with music and phone ins. The  
second song is Filipino. (Zacharias Liangas-Greece/  
PlayDX)

15540, **Radio Kuwait** sent a full data over-sized  
gold foil QSL Certificate in 51 months signed by the  
Assistant Under Secretary Engineering Affairs. A  
very impressive item. (Ralph Perry-IL)

**MADAGASCAR** 5009.94, **R. Madagasikara**, Ambo-  
hidrano. Music programming and Malagasy anncts

in 1848. News reports, commentaries and inter-  
views from 1900. Back into selections of pleasant  
local music programming from 1945. Monitored  
to well past 2030. Although the carrier was fairly  
strong, the audio level was often down throughout  
the transmission, Aug 12. But on Aug 16 at 1940, no  
sign of Madagasikara here or on the ZS6A KiwiSDR  
in Jo'berg. Sp this operation would seem to be  
irregular. (Rob Wagner-Australia Sept. "ADXNews")

**MALAYSIA** 11665, **Wai FM**, QSL in 4 months for  
e-report to roziyati@rtm.gov.my. v/s Roziyati Binti  
Rosli. (Artur Fernández Llorella-Spain/PlayDX)

**MALI** 5995, 28.08.19, \*0546-0610, **Radio Mali**,  
Bamako, FF: African songs, ID. At 0556 IS+NA+ID  
and PX "ORTM Matin", then into VV with TK. 34433.  
(Manuel Méndez-Spain/DX Fanzine) 5995, Sep 1,  
\*0545-, Radio Mali, Bamako, \*0545-0759\*, African  
songs, at 0601 tuning music, id. "Vous écoutez  
L'Office de Radiodiffusion Television du Mali emet-  
tant de Bamako...", "Radio Mali, service public",  
African songs, Vernacular, comments. (Méndez-  
Spain/Shortwave Bulletin)

**MONGOLIA** 4895, **Mongolian Radio 3** {from Murun  
site, wb.} (presumed), on Sept 8 noted 1110, with  
decent level carrier, but no audio detected. The  
only good thing about AIR Kurseong no longer  
being here, is that Mongolia is now in the clear.  
Signal is much stronger than the AIR signal ever  
was; still on at last check at 1210. (Ron Howard-CA  
via wwdxc BC-DX TopNews Sept 8) Yes, seems to be  
on every now and then it carries first programme.  
7260, Ulan Bataar site, is on the air fairly regularly  
carrying 3rd prgr between 2300-0500 & 0700-1500.  
4895 has been on the air occasionally since the  
beginning of 2019 during local daytime, but carry-  
ing now 1st prgr. instead, starting at 2300 unlike  
longwave frequencies at 2200. 4830, Altay site, has  
been off the air completely lately. Today it signed  
off at 1350. Again nothing on 4830. Let's see, if it  
is gone forever. (Mauno Ritola-Finland via wwdxc  
BC-DX TopNews Sept 8)

**MYANMAR** 5985, **Myanmar Radio**, 1126+, Sept  
22. Another day with live sports coverage (TV  
audio feed) of the football/soccer match between  
Myanmar (under 16) and Chinese Taipei (U16);  
started with choral anthem and brief intro before  
the start of the game; constant sound of the crowd  
in the background; again held at Thuwanna Sta-  
dium (Yangon); preempted regular programs. (Ron  
Howard-CA)

7110, **Thazin Radio** (presumed), 1354-1425, Sept 7. It was back in 2012-2013 that "Thazin Radio, Pyin Oo Lwin" was regularly heard on this frequency; fairly confident the language heard today was Burmese; played easy-listening pop songs. So is this ex: 6165? Today I didn't start listening till fairly late, so this needs some earlier monitoring to find out just what is happening here. Of course Myanmar should not be here at all, as it is in the ham band. My local sunrise was at 1343. (Ron Howard-CA)

**NEW ZEALAND** Fair signal of **Radio New Zealand Pacific**, Sept. 2:

0459-0558 on 9700 RAN English (DX Mix-Bulgaria)

6170, RNZI at 1304 with news. Very good, Sept. 4. (Harold Sellers-BC/DXplorer)

**NIGERIA** Fair signal of **Voice of Nigeria** in 25mb, Sept. 15:

1630-1900 on 11769.9 AJA English (DX Mix-Bulgaria)

11770, **V. O. Nigeria**. Aug. 9 at 1758-1830 in English. SI0352(LSB). News by a man, followed by a news commentary by him and correspondents. ID confirmed at 1759, 1800 and 1830. Noises and the propagation disturbances both seriously aggravated over time. (Suzuki-Japan/Japan Shortwave Club) 11770, on Sept 3, at 1903-1914, Voice of Nigeria, Abuja, in Fulfulde. Man announcer talks news, presumably; 1913 UT man voice, ID. Good reception to this fulfulde program at this time (Not in french!), 45544. 11770, on Sept 7, at 2028-2050, Voice of Nigeria, Abuja, in Hausa. Man announcer in conversation with a Nigerian citizen; 2031 ID and men talk news about Nigeria, presumably; 2047 A local song. ID. Fair reception with slight fades, 45433. (Jose Ronaldo Xavier-Brazil, hcdx Sept 3 / 7/TopNews)

**OMAN Radio Sultanate of Oman** was back on shortwave, September 1:

from 1920 on 9620 THU Arabic, good signal (DX Mix-Bulgaria)

According to summer A19 schedule Radio Sultanate of Oman is on air:

1400-1500 on 9620 THU English, pls check!  
1500-2200 on 9620 THU Arabic - as in HFCC (DX Mix-Bulgaria)

Reception of **Radio Sultanate of Oman** on 9620 khz September 2:

1400-1500 on 9620 THU Arabic, not English  
from 1500 on 9620 THU Arabic, good signal  
from 1530 on 9620 THU surprise, NO SIGNAL (DX Mix-Bulgaria)

9620, tentative **Radio Sultanate of Oman** at 1406 with Arabic songs. Poor, Sept. 4. (Harold Sellers-BC/DXplorer)

**PALAU** Reception of **T8WH Angel 3 World Harvest Radio Int** on Sept. 13:

till 1300 on 9930 HBN English, fair signal  
1300-1400 on 9930 HBN English is cancelled (DX Mix-Bulgaria)

**PAPUA NEW GUINEA** 3260, **NBC Madang**, 1121-1142, on Sept 1. Well above the norm; a pleasure to hear the full ID for "NBC Madang, Maus Blong Garamut," along with a child who seemed to say "90.7"; as it was Sunday, their usual religious programs (religious songs and EZL music). (Ron Howard-CA) 3260, NBC Madang (Maus Blong Garamut), 1224\*, Sept 22. Running a little late today. This was the only PNG station on the air (no NBC Bougainville). (Ron Howard-CA)

**PAPUA NEW GUINEA (BOUGAINVILLE)** 3325, **NBC Bougainville**, on Sept 10, with major anomaly. During a time when they should have been broadcasting (around 1130), they were clearly off the air for quite awhile, but did hear them later, running several hours past their normal cut off time (1200). Today heard 1158-1430+; "NBC News," 1203-1209 and "NBC News Roundup," 1301-1307, both in English; no news at 1400; played mostly variety of pop songs (Diana Ross & Lionel Richie - "Endless Love," etc.); after 1209, relay of programs in English from Port Moresby, with numerous IDs for "This is NBC"; no Voice of Indonesia QRM. Has been about three years since I last heard a "NBC News Roundup" segment! (Ron Howard-CA) 3325, NBC Bougainville, Sept 11, a second day with a greatly extended so perhaps a new schedule? Unlike yesterday's reception free from Voice of Indonesia QRM, today with significant VOI audio, making a mess of this frequency; both stations mostly unusable; checking 1217-1302; again with "NBC News Roundup" at 1302. This change is not totally unexpected. It will be recalled that this November will see the important referendum vote to be

taken to determine the possible independence of Bougainville. We can expect this station to be a key means of disseminating information about the election. SW is especially alive at election time! (Ron Howard-CA) 3325, NBC Bougainville, 1037+, Sept 22. Off the air; not heard recently; by 1044, VOI was on the air. (Ron Howard-CA)

**PERU** 4774, **Radio Tarma**, full detailed E-letter in 1 week for e-report to gerenciageneral@grupomonteverde.com. v/s Mario Monteverde. (Artur Fernández Llorella-Spain/PlayDX) 4774.9, Aug 30, 0057, Radio Tarma, Tarma, good and clear reception today for Radio Tarma, Spanish, comments, at 0100 identification: "1510 kHz onda media, 4775 kHz onda corta, 90.9 MHz frecuencia modulada, transmite Radio Tarma, desde Tarma, Perú en América del Sur", Peruvian songs, more comments in Spanish. (Méndez-Spain/Shortwave Bulletin) 4774.9, Radio Tarma, Tarma, received email confirmation letter, two PDF files with information of the station and a mp3 file with identification of the station in 17 days for a reception report sent to: gerenciageneral@grupomonteverde.com. (Manuel Méndez-Spain/Shortwave Bulletin)

4940, **Radio San Antonio**, Villa Atalaya, Ucayali was heard reactivated in Spanish in May 2019 at 2225. (Anker Petersen-Denmark, hcdx Sept 15/TopNews)

5980, Sep 14, 2320, **R. Chaski**. Música de himnos cristianos, luego ID: "Red Radio Integridad", luego reflexiones de un texto bíblico e ID a las 2335 y hora local de Perú. Interferencia de Tv Martí en la misma frecuencia. (Claudio Galaz-Chile via ListaConDig/Shortwave Bulletin)

**PHILIPPINES** Reception of **FEBC Radio** in 25mb on September 6:

1300-1330 on 11825 BOC Tibetan, fair (DX Mix-Bulgaria)

**ROMANIA** Reception of **IRRS Radio City** via RADIOCOM Saftica, September 21:

0800-0900 on 9510 German Sat, fair/good signal (DX Mix-Bulgaria)

Reception of **IRRS EGR/UNR** via RADIOCOM Saftica, September 22:

0930-1200 on 9510 English Sun, fair signal (DX Mix-Bulgaria)

Almost a year of waiting and long-awaited confirmation from the Russian service "Interradio Romania" received. The other day a concert came from Bucharest, in which I discovered 12 QSL cards (5 from last year's collection and 7 from this year's series). The envelope also had a CD with Romanian music. Total confirmed reports for August, September, October, November and December 2018, as well as for the first seven months of the current year. In 2019, the Interradio Romania series of QSL cards is dedicated to historical folk costumes and peasant jewelry from the late XIX - early XX centuries of the historical Romanian region of Banat. (Igor Kolke-Russia via RUSdx #1043 via wwdxc BC-DX TopNews Aug 25)

Reception of **IRRS EGR/UNR** via RADIOCOM Saftica, Sept. 8:

0930-1200 on 9510 SAF English Sun, weak to fair (DX Mix-Bulgaria)

Reception of **IRRS EGR/UNR** via RADIOCOM Saftica on September 7:

1815-1915 on 7290 SAF English Sat/Sun, good signal (DX Mix-Bulgaria)

Do not destroy **Radio Romania International** - The Romanian Syndicate of Journalists MediaSind, through the Radio Romania Branch, expresses its concern at the intention of the SRR president-general director, Georgica Severin, to suspend the shortwave broadcast of the Radio Romania International station. Due to the superficiality with which the responsible factors of the institution treated the problem of the allocated budget, the Romanian Broadcasting Society lost, at the last rectification, 10 million lei, an amount without which the good functioning of the company cannot be ensured. In order to cover this consistent deficit, according to some public statements of the President - General Manager, the expenses with the shortwave transmitters owned by Radiocom, which broadcasts Radio Romania International programs in 13 languages, would be cut. The solution to closing the shortwave emission, even if it is the most handy, having immediate effect is a totally wrong one. In a communique by the Agerpres news agency many days ago announced the close of Radiocom and both its transmitter sites Tiganesti and Galbeni (but old Saftica, does it remain?) and the continuation of Radio Romania International broadcasts only on the Internet. But no specific date. Very sad news. (Press release MediaSind via DX Mix-Bulgaria)

Do not destroy **Radio Romania International!** The Romanian Syndicate of Journalists MediaSind, through the Radio Romania Branch, expresses its concern at the intention of the SRR president-general director, Georgica Severin, to suspend the shortwave broadcast of the Radio Romania International station. Due to the superficiality with which the responsible factors of the institution treated the problem of the allocated budget, the Romanian Broadcasting Society lost, at the last rectification, 10 million lei, an amount without which the good functioning of the company cannot be ensured. In order to cover this consistent deficit, according to some public statements of the President - General Manager, the expenses with the shortwave transmitters owned by Radiocom, which broadcasts Radio Romania International (RRI) programs in 13 languages, would be cut. The 'solution' to closing the shortwave emission, even if it is the most handy, having immediate effect, is a totally wrong one. Indeed, as hypocritically motivated by the Georgica Severin decision, these transmitters are not useful in the country, with the expansion of the FM network. The gravity of the decision of the Radio management is, however, a huge one, undermining even the national interest, with which even Georgica Severin has no right to play. Let us not forget that Romania has the second diaspora in the world, as a percentage of the population, after Syria. From the recent estimates of the Ministry for Romanians Everywhere, around the country live about 9.7 million countrymen whom we have to treat as Romanians with full rights, who have the right to information, including by Radio Romania International. The head of the SRR, Georgica Severin, had to make energetic and repeated requests from the Government in order to obtain sufficient funds for the good functioning of the institution, including for the antennas, taking into account the future presidential elections of 2019 and parliamentary from 2020. Why Is the main means of transmitting messages to Romanians abroad exactly during this pre-election period being abolished? Should we consider this gesture merely as a sign of disrespecting the diaspora? On the other hand, it should be noted that RRI issues programs for the Aromanian communities in the world, as well as for foreigners, in general, interested in Romania and the geographical area in which we are, RRI being thus an efficient polyglot software soft diplomacy tool. Let us not forget then that the shortwave broadcast has a strategic character, because, in case of necessity, of disasters, of calamities, but also of suspension, by hostile decisions of

Romania, of the Internet, the Romanian state can communicate with the Romanians from abroad and with the world at large. As it is known, the Internet is extremely vulnerable to political decisions. Also, in the case of catastrophic floods, earthquakes, conflicts, short waves remain the only reliable way to communicate with the world. Therefore, the idea of stopping the shortwave broadcast, coupled with another simplistic idea that RRI will successfully broadcast on the Internet, can produce serious effects, jeopardizing Romania's national security. Exiting the Internet only means, in fact, closing the RRI station, which is in contravention of Law 41. According to art. 1 of the law, SRR makes programs for abroad, not online content; broadcast means radio broadcast, not online! The exit of the RRI from the shortwave frequencies (this is a heritage of about 7,000 frequencies that are traded biannually by international broadcasters) will result in the loss of frequencies in favor of other countries. At the same time, Radiocom stations in Tiganesti, Saftica and Galbeni, where the 5 stations used for RRI are located, will be closed and Radiocom employees will be relocated or even fired. And as according to a harmful Romanian tradition, any provisional decision becomes final, it is hard to believe that it will return to the previous situation, to the issuance on short waves, even if the Government would allocate the necessary funds. Closing the shortwave transmitters, without offering other means of transmission in exchange, would practically equate to the disappearance of the station; radio means broadcast on radio waves, analog or digital; a station on the Internet is no longer radio, it's just a multimedia product. The next logical step, after a possible shutdown of the shortwave emission at RRI, will be the personnel restructuring. See the unhappy experience with Radio3Net station, which is only online and experimentally on DAB, in Bucharest, which has under-sized staff, even under the conditions of online production. We consider that giving up the short wave, in whole or in part, is not a decision that falls within the competence of a president-general director because it concerns Romania's strategic interests. In this situation, the CSAT opinion should be requested and, in the Parliament, the Law on the organization and functioning of the SRR should be changed. Or, Georgic? Severin is far from having the agreement of these institutions. The role of RRI has been and is very important: promoting the country abroad and spreading Romania's opinions worldwide. By giving up any transmitter, whether from long, short or medium waves, the main object of activity of

the SRR is affected, which is the realization and dissemination of programs (according to art. 15 of law 41). Taking into account the serious situation that could arise as a result of the decision of the head of SRR, MediaSind Radio Romania requests the Parliament of Romania to intervene in an emergency regime to stop the destruction of the Radio Romania International station. Unfortunately, a communique by the AGERPRES news agency 6 days ago announced the close of RADIOCOM and both its transmitter sites and the continuation of RRI broadcasts only on the Internet. (Communication Department MediaSind via Cristian Mocanu-Roumania on Bclnews Italy, Sept 1/TopNews)

The Board of the Romanian Radio Society - RRS rejected the proposal of closing down any short-wave or mediumwave broadcasts as well as to disrupt in any way the programming of radio production, instructed the Management Council and the President-General Manager to reduce costs in other areas and the President-General Manager to take all the required measures in order to ensure funding for the society. Cristian Mocanu via bclnews yg (Sept 2-2019). (Prof. Dr. Hansjoerg Biener-D, direct via wwdxc BC-DX TopNews Sept 5) The proposal to suspend short and medium wave broadcasts due to financial shortages has been rejected by the Board of Directors of the Radio. At the same time, he called on the governing body and the directors to secure the necessary financial means through austerity measures in other areas or to find alternative sources of financing. At the moment we do not know any more, the shortwave broadcasts continue, (Sorin Georgescu RRI Bucharest via Prof. Dr. Hansjoerg Biener-D, via wwdxc BC-DX TopNews Sept 9)

**RUSSIA** 12025, Mystery DRM supposed to be Russian. Fun to decode using a Japanese SDR. Identified as possibly Komsomolsk Amur. (DRM North America Group) Translation: Short-wave digital broadcasting throughout Chukotka: "The authorities of Chukotka and specialists of the Far Eastern Regional Center of the Russian Television and Radio Broadcasting Network, a short-wave digital broadcasting throughout Chukotka, intend to implement the ambitious project. Governor Roman Kopin and Director of the Far Eastern Regional Television and Radio Broadcasting Center branch Stanislav Kuznetsov signed a Cooperation Agreement, which opens up prospects for future joint projects in the region and is a continuation of the effective cooperation of

the parties in switching to digital broadcasting in the district, for which Chukotka is fully prepared. As the Head of the region noted, the restoration of short-wave broadcasting will provide communications to all of Chukotka, including geologists, miners, reindeer herders and hunters - therefore, the Government of Chukotka initiated such a difficult, but important project. We constantly have in these remote places two thousand residents who need to be provided with communication services. Subsoil user projects are implemented outside the boundaries of settlements, transport communications are provided in remote areas that are not provided with communications. The Northern Sea Route also requires attention. These new solutions will allow to remove restrictions and provide communication where it is needed, "said the Governor of Chukotka. We are finishing the preparation of technical equipment and this document allows us to legislatively deal with issues by agreement with the Government of Chukotka. We hope that by the end of June we will be able to go on the air and get experiments - to what extent will our calculations on the effectiveness of closing the entire population of Chukotka with broadcasting programs with additional service be confirmed. It should be noted that this broadcasting will no longer be in the previous (analog) format, this broadcasting will be in a digital, most modern format, "said Stanislav Kuznetsov, director of the RTRS" Far Eastern RC "branch. Today, the preparation of transmitters, antennas, technical systems and infrastructure of the radio center is nearing completion. It is planned to begin the first test cycle in the second half of the year. Testing will be carried out in 2 standards: classic AM and digital DRM. However, the main focus is a digital format. In addition to the goals of delivering a radio program to listeners, the project lays the foundation for creating a technology platform for global one-way data transfer similar to a one-way Internet. Using a DRM platform for data transmission reveals a considerable range of opportunities for additional services, in addition to simple broadcasting. The most significant are the CD-sound quality and the ability to synchronously transmit a copy of the base program in the national language. In addition, targeted notification, as well as the use of the platform for operational, duty, services and projects for the informatization of the Arctic territories, the waters of the Northern Sea Route. Another project is the public Internet. RTRS together with the Department of Industrial and Agricultural Policy of Chukotka is working

on the issue of providing public Internet at the first 5 connection points in Anadyr.” (DRM North America Group)

Komsomolsk Amur transmitter site in Asiatic Russia now has three frequencies listed on HFCC as of 5 Sep 2019:

11615 at 2000-1000 250kW (may be a typo of 25kW?)  
12025 at 2000-0300 25kW  
15735 at 0300-1000 25kW (Zyg of DRMNA and DRMRX)

**SAUDI ARABIA** Fair/good signal of **Radio Saudi International** in 16mb, September 22:

1400-1555 on 17660 RIY French, two audio with 6 sec delay (DX Mix-Bulgaria)

**SINGAPORE** Reception of **BBC** via ENC-DMS Kranji on September 17:

1530-1830 on 7355 Korean-very weak (DX Mix-Bulgaria)

**SRI LANKA** Reception of **Sri Lanka Broadcasting Corporation** in 25mb on September 17:

1630-1830 on 11750 TRM **Sinhala City FM**, fair/good signal

1700-1800 on 11835 TRM **Tamil Thendral FM**, fair/good signal (DX Mix-Bulgaria)

**TAIWAN Fu Shing Broadcasting Station** denied the existence of QSL manager. Mr. Tetsuya Kondo of Asian Broadcasting Institute reported me. As for the article “QSL manager” in WWDXC Topnews 1374, Fu Shing Broadcasting Station (Taiwan) promptly announced in their home page as follows: “Our Station has no relation to him, and there is no contract of “QSL manager” with such a foreign person. Listeners are requested to send reception reports directly to our station. No return postage or money is needed.” Probably this was the first time the station made such an announcement. At that time (April 2019) the shortwave signal of Fu Shing Broadcasting Station was stopped, but after this announcement they had resumed shortwave transmission. (Takahito Akabayashi, Tokyo, Japan; via wwdxc BC-DX TopNews Aug 26) WWDXC Topnews #1374, 1 March 2019: So, this address IS W R O N G! China Huayi BS, Voice of Jin Ling and Fu Shing Broadcast station. Jonathan Short, Ming Ri Feng

Lin 3-1002, Li Zha Road, Changshu, JS 215500, People’s Republic of China. (Wolfgang Bueschel-Germany/TopNews)

**THAILAND** Frequency change of **Voice of America** in Rohingya and English:

1130-1200 NF 12030 UDO Rohingya Mon-Fri, ex 9980  
1130-1200 NF 12030 UDO English Sat/Sun, ex 9980  
//9310 UDO and 11570 PHT DX Mix-Bulgaria)

5875, **Radio Thailand**, 1144, Sept 22. Interesting to hear the significant drop in signal with change made to the antenna beam direction. (Ron Howard-CA)

**TURKEY Voice of Turkey** in Russian on odd frequency 11965.7, September 14:

1300-1355 on 11965.7 EMR Russian, instead of nominal. Something’s always wrong at TRT Voice of Turkey Emerler transmitting station!! (DX Mix-Bulgaria)

**UNITED ARAB EMIRATES Trans World Radio Africa** via ENC-DMS Al-Dhabayya, September 15:

1300-1315 on 17680 Afar Thu-Sun, good signal (DX Mix-Bulgaria)

**FEBA Radio** via ENC-DMS Al-Dhabayya, September 5:

1600-1630 on 11655 Afar, good (DX Mix-Bulgaria)

**USA WMLK Radio**, International Shortwave Radio Voice of the Assemblies of Yahweh, which was built in the early 1980’s and was licensed to broadcast in 1985. Our target areas are Europe and the Middle East; however, many other areas on earth also receive the signal since the antenna sends out a powerful signal in side lobes. In the past years, it has become obvious that we must upgrade radio station WMLK if we are to become more effective. We have installed a new antenna that will become much more efficient in broadcasting the Truth of Yahweh. We also have planned to upgrade the transmitter to send out 300,000 watts of power that will cover much of the population of the world. The new transmitter will be a six-fold increase over the original transmitter as well as broadcast with the greatest efficiency and sound quality available today. We hope to complete this project as rapidly as we can and as funds become available. (The Sacred Name Broadcaster)

Frequency change of **RAE** Argentina via WRMI effective September 3:

2200-2300 on 9395 German Mon-Fri tx#6, new freq  
2200-2300 on 7780 German Mon-Fri tx#1-canceled  
2200-2300 on 7780 English Mon-Fri APS Radio-new  
(DX Mix-Bulgaria)

Updated schedule of Radio For Peace International/  
RFPI Eu\*:

2100-2200 on 9955 RMI French every Wed WRMI-10  
0200-0300 on 5130vBCQ French first Thu WBCQ-04  
1400-1500 on 21525 RMI French third Thu WRMI-07  
2000-2100 on 15770 RMI French every Fri WRMI-09  
1900-2000 on 6070 ROB French second Sat Ch-292  
0000-0100 on 9395 RMI French every Sun WRMI-06  
\* RFPI Eu is a sister station of Atlantic 2000  
International v=5130.4 is in CUSB, all the other  
broadcasts are in AM. (DX Mix-Bulgaria)

**WJHR**, Milton, Florida has been using 15550  
recently instead of the usual 15555. On air 1400-  
2200 daily with evangelical preaching. Transmis-  
sions are in upper sideband. (British DX Club)

15570, **Radio for Peace International** (relay  
Okeechobee) QSL received from France in 4 days  
for report sent to qsl@rfpi.eu. (Jacques Augustin-  
France/British DX Club)

**UZBEKISTAN Trans World Radio India** via RRTM  
Telecom Tashkent, September 12:

1545-1600 on 6240 Kazakh, fair signal, QRM  
STANAG (DX Mix-Bulgaria)

**VANUATU** With the support of the Government  
of Vanuatu, the Vanuatu Broadcasting & Television  
Corporation (VBTC) has begun work this month on a  
942 million vatu (US\$8.1m) infrastructure upgrade  
to improve radio and free-to-air television service  
throughout Vanuatu. The first phase involves the  
design, installation and commissioning of a new  
shortwave (HF) and medium wave (MF) service for  
**Radio Vanuatu**, the country's public radio service.  
(The SWLing Post via Ralph Perry-IL)


**VATICAN Voice of America** via SM di Galeria on  
September 16:

0658-0700 on 12070 French unscheduled  
0700-0730 on 12070 Hausa - very good (DX Mix-  
Bulgaria)

**VIETNAM** 7280, **Voice of Vietnam**, QSL card in  
40 days. E-mail: englishsection@vov.org.vn. (Ivan  
Zelenyi-Russia/DX Fanzine)

**ZAMBIA** 5915, **R. One/ZNBC1**, 0246-0335, Sept  
17. Above average reception, even with heavy  
QRN (static); African pop music; 0251-0254, call of  
the African Fish Eagle IS; 0302, GOtv commercial  
announcement; 0303-0325, with religious songs and  
hymns ("Rock of Ages," etc.); later at 0422 check,  
found off the air at a time they would normally  
be broadcasting; still seems to be on the air rather  
erratically. Have been interested to read online  
about the relationship between ZNBC and China.  
Per Club of Mozambique: (Sept 16, 2019): "The  
Zambian government has deported a Chinese media  
executive over "derogatory and abusive language",  
a spokesman said. Yi Jian is the chief executive  
officer of TopStar Communications Company Lim-  
ited, which is a joint venture between Beijing-based  
Star Times and the Zambia National Broadcasting  
Corporation (ZNBC). Mr Yi was deported on Thurs-  
day under a warrant signed by Interior Minister  
Stephen Kampyongo." Additional information from  
Deutsche Welle: (May 7, 2019) "StarTimes, which  
has close links to China's government, controls 60  
percent of the joint venture, called TopStar, with  
Zambia's national broadcaster, ZNBC, owning the  
other 40 percent. The venture is bankrolled by a  
\$232 million (€205 million) loan taken by TopStar  
from China's state-owned Exim Bank. When ZNBC  
lacked the \$40,000 start capital it needed to estab-  
lish TopStar, StarTimes lent ZNBC the money. Fast  
forward to 2019, and media watchdogs and local  
media owners are now gravely concerned about  
China's perceived influence in Zambia's media  
landscape." (Ron Howard-CA)

9680, **V. O. Hope Africa**, Zambia. Jul. 20 at 1601-  
1630(S/off) in English. SIO252. Hymn & prayer. ID  
at 1629, then S/off. Aug.4 at 1535-1555(S/off) in  
English. SIO252. Songs & talk. ID at 1553. (Nagatani-  
Japan/Japan Shortwave Club)

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


# Contributors' Page

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

The following members sent in contributions:

<b>Rick BARTON</b> , Sun City, AZ	SW-2000629, Satellit 205/T.5000 & 650, HQ-200, HQ-140X & 180A, ATS-909X, outdoor Slinky and random longwires
<b>Eric BUENEMAN</b> , Hazelwood, MO	Yaesu FRG-7, Apex 303WA-2 vertical antenna
<b>Ed CICHOREK</b> , Somerset, NJ	IC-R-75, SW8, MFJ956, SWL4-50 wire
<b>Rich CUFF</b> , PA	No equipment listed
<b>Rich D'ANGELO</b> , Wyomissing, PA	Ten-Tec RX-340, Drake R8B, Eton E1, Eton E5, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4
<b>Mick DELMAGE</b> , Sherwood Park, ALB	Perseus SDR, Wellbrook ALA-100
<b>Glenn HAUSER</b> , OK	No equipment listed
<b>Vince HENLEY</b> , Anacortes, WA	Mini-DXpedition in the high desert of southwest Wyoming. Equipment in use for this event: Icom IC-R8600, SDRPlay RSP Duo, Wellbrook ALA1530LNPro
<b>Ron HUNSICKER</b> , PA	No equipment listed
<b>Ralph PERRY</b> , IL	No equipment listed
<b>Alan ROE</b> , Teddington, UK	Winradio G33DDC Excalibur, ELAD FDM-S2 17m long wire, SDRPlay RSP1, ALA1530LN
<b>Gianni SERRA</b> , Roma, ITALY	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; Yaesu YH-77 STA stereo headphones; Oregon Scientific RM912 radio controlled clock 

2000-30000 kHz

## Loggings

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

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2850	<b>NORTH KOREA KCBS</b> 9/1, 1245. M and W in dialogue, some pips at ToH, then more dialogue. EXCELLENT signal today. Noted the absence today of the usual sappy saccharine vocal music - SIO 555 (Barton-AZ)
3325	<b>PAPUA NEW GUINEA NBC</b> at 1220 UTC tune in Sept 12 with political talk in English. Into local music at 1253 UTC and News Roundup at 1301:30 UTC. Good but fading after 1318 UTC. (Delmage, AB)
4750	<b>BANGLADESH Betar</b> in Bengali at 1325 UTC Sept 8 with music. Announcements were unreadable. Poor (Delmage, AB)
5130	<b>UNITED STATES OF AMERICA WBCQ</b> Monticello, ME - 8/17 0218 noted with a discussion on medium wave broadcast radio in English; SIO 333. (Bueneman-MO)
5370	<b>CUBA Radio Habana Cuba</b> in SS. September 14, 2019, 2242 - 2246. SIO 534. Noisy signal with heavy QRN. YL news reader. OM with station ID. Latin MX program follows. (Henley, WA)
5840	<b>DENMARK WMR</b> , Randers, 08/17, 1915. Music. Various songs from around the world (starting with one from Africa, and then one from Cuba. 35333. (Roe-UK)

- 5930 **FRANCE R Algeria**, Issoudun, 08/23, 2200. Arabic/French. ID in Arabic and English: "Qur'an, Radio Algeria" followed by frequency announcements in Arabic. News and reports by female in Arabic, followed by News and reports by male in French. The Qur'an was at 2210UT for around 10 minutes, then talk by female and male presenters and some music. 55555. (Roe-UK)
- 5945 **NEW ZEALAND RNZI**, 9/5, at 1030. W announcer with newscast and news magazine in Tok Pisin and Standard English mix - Fair (Barton-AZ)
- 5945 **NEW ZEALAND RNZI** 8/27 at 1000 news magazine program - SIO 454 (Barton-AZ)
- 5950 **ETHIOPIA V.o. Tigray Revolution**, Addis Abeba 08.23.2019 1813-1824 only local instrumental music, and two long local humdrum singsong chants fair/almost good (Serra, Roma, Italy)
- 5960 **TURKEY V.o. Turkey**, Emirler, in Turkish 09.04.2019 1934-1951 local chants w/ instrumental music, man talk after each track (Serra, Roma, Italy)
- 5965 **CHINA China Radio Int'l** in RR. September 10, 2019, 1505 – 1512. SIO 433. OM and YL announcers in RR. Heavy QRN, shallow QSB. Listed target is Siberia. Listenable. OM with long monologue. (Henley, WA)
- 5970 **UNITED STATES OF AMERICA Wewn Vandiver, AL** - 8/17 0115 noted with *The Holy Rosary* in Spanish; SIO 333. (Bueneman-MO)
- 5970 **UNITED STATES Wewn EWTN R. Catholica Mundial**, Vandiver AL, in Spanish 09.06.2019 0449-0507 woman/man unclear talk, brief slow song, woman talk, slow song, man brief announcement, jingle; (Serra, Roma, Italy)
- 5980 **ROMANIA R Romania Int**, Galbeni, 08/19, 0000. Romanian. Program "Zi-le D-Alead-Ale Noastre": Romanian folk music with female vocalist and interview with that vocalist by male host. 55555. (Roe-UK)
- 5990 **CUBA China R Int**, Quivican, 08/24, 0000. English. The World Today "Weekly": Starting with the postponement of a visit to Denmark by Donald Trump because Denmark refuses to sell Greenland. 35333. (Roe-UK)
- 5995 **MALI R Mali**, Bamako, 08/24, 2105. French. Lively Malian music with male presenter. 35333. (Roe-UK)
- 5995 **MALI ORTM Radio Mali** - 8/25 0625 noted with hi-life music and announcements in French; SIO 233. (Bueneman-MO)
- 5995 **MALI Radio TV du Mali** - Bamako, 2346-0002\* Aug 26, lively highlife vocal selection followed by a woman announcer with French language talk. Another male vocal selection accompanied by drums. Nice announcements at 2359 by the woman announcer followed by another male vocal selection with plug pulled mid-song. Fair to good reception. (D'Angelo-PA)
- 6020 **CHINA China R Int**, Shijiazhuang 723, 08/24, 2030. Polish. Traditional Chinese music - Several instrumental pieces with female host. Also strong on // 7305 kHz. 55444. (Roe-UK)
- 6040 **ROMANIA Radio Romania Int'l**- Tiganesti, 0032-0103 Sep 11, Romanian vocal selections followed by station ID ("This is Bucharest, Radio Romania Int't") and then the DX Mailbag program. Mix of music and other features before close-down and IS before opening in French at 0100. Fair to good signal but very noisy conditions. (D'Angelo-PA)
- 6070 **GERMANY Channel 292**, Rohrbach, 07/31, 1950. Music. Oldies music from the 1970s including "Rock the Boat" and "Stairway to Heaven". 55444. (Roe-UK)
- 6070 **GERMANY Free R Skybird**, Rohrbach, 08/04, 1925. English. Documentary extracts about pirate radio broadcasting followed by varied music selection and with some "radio-phonics" sounds. 45333. (Roe-UK)
- 6070 **GERMANY from the Isle of Music**, Rohrbach, 08/20, 1900. English. Featuring Cuban music from over the decades. 45333. (Roe-UK)
- 6070 **GERMANY R Mi Amigo**, Kall, 08/20, 1745. English. Hello Europe! With Johnny Lewis and oldies including: "Una Paloma Blanca" and "Captain of Your Heart". 45444. (Roe-UK)
- 6070 **GERMANY R Ohne Namen**, Rohrbach, 08/20, 1800. German. "Here We Go!" 1930s German music, starting with what sounds like several German cabaret-style songs. Signal faded a little from 1820, but picked up again over the next 20 minutes or so. 35333. (Roe-UK)
- 6070 **GERMANY R Tumbril**, Rohrbach, 08/23, 1900. English. Encore Classical music with the William Tell Overture, a flute sonata and a Polonaise, amongst others. 45433. (Roe-UK)
- 6070 **GERMANY Uncle Bills Melting Pot**, Rohrbach, 08/13, 2000. English. Music with "Flat Earth" in the title (in honor of the new "Worlds Last Chance" programs via WBCQ.) 45444. (Roe-UK)
- 6070 **JAPAN Shiokaze/Sea Breeze** at 1355. Verified on w/ man in Korean over soundbed of piano music (and still no jamming heard at this writing) - Very Good September 8 (Barton-AZ)
- 6090 **ETHIOPIA Amhara State R**, Addis Ababa, 07/27, 2025. Amharic. Horn of Africa music with male and female co-hosts. 35433. (Roe-UK)
- 6090 **JAPAN NHK World/R Japan** 8/30 at 1155. Familiar tuning signal to opening Korean service at 1100 - SIO 444 (Barton-AZ)
- 6110 **ETHIOPIA R Fana**, Addis Ababa, 07/28, 2000. Amharic. Some African/HoA music with a female host. 35333. (Roe-UK)

- 6125 **CHINA CNR 1** in CC. September 10, 2019, 1430 – 1436. SIO 555. CNR domestic broadcast. News at bottom of hour with time pips. Advertisements. Some moderate QRM and QRN, but otherwise strong a clear. MX clips. OM and various other commentators. Standard domestic CNR format. (Henley, WA)
- 6140 **INDIA All India R**, Bengaluru, 07/20, 1845. Urdu. Music from India (possibly raga music). 45444. (Roe-UK)
- 6170 **NEW ZEALAND RNZI** in EE. September 9, 2019, 1413 – 1428. SIO 555. YL interviewer with OM on art and MX. Opera singing by YL vocalist. Listed target is Oceania. Excellent signal. Talk with son of opera singer. Discussion of mixed religion, such as Buddhism, Hinduism, etc. A very personal interview. Easy listening, armchair copy. Philosophy of working through personal crises. The role of a photographic artist helping to “save” nature. Jazzier MX follows. (Henley, WA)
- 6170 **NEW ZEALAND RNZI** in EE. September 10, 2019, 1436 – 1502. SIO 434. OMs in discussion about films. YL commentator in discussion of art, writing and other literary arts. Round-table cultural discussion. Noisy signal, with moderate to heavy QRN and rapid QSB. Difficult to understand conversation at times. Program source is BBC WS. Signal deteriorating as morning progresses. Pop MX, listenable with increasing difficulty. Time pips and news at top of hour. (Henley, WA)
- 6170 **NEW ZEALAND RNZI**, 8/30, at 1330. Singer/songwriter interview pgm with album clips - VG (Barton-AZ)
- 6180 **CHINA CNR 1** in CC. September 13, 2019, 1506 – 1512. SIO 444. CNR in Mandarin domestic broadcast. OM and YL announcers / news readers. Advertisements. This broadcast is likely intended to cover-up or jam RTI on the same frequency. Standard CNR domestic format with talk, advertisements, MX clips, etc. News items include reports of the unrest in Hong Kong. (Henley, WA)
- 6185 **MEXICO XEPPM – Radio Educacion**, 0156-0215 Aug 27, Tune in to nice instrumental music before a man and woman announcers engaged in a long discussion in the Spanish language. Fair signal. (D'Angelo-PA)
- 6185 **MEXICO XEPPM/R Educacion**, 9/8 at 0440 Tenor Mariachi vocalist, then suddenly off at 0500 (Barton-AZ)
- 6190 **JAPAN NHK World/R Japan** 8/23 at 1345. Chinese service and language lesson to the ToH. Stayed on air and went to Korean after 1400 - (Barton-AZ)
- 7210 **ALBANIA China Radio Int'l** relay via Cerrik - 8/12 2335 noted with Chinese music and commentary in Spanish; SIO 323. (Bueneman-MO)
- 7215 **CHINA China R Int**, Beijing, 07/20, 1930. Cantonese. Classical guitar music with a female host; later a Chinese stringed instrument playing some music. Possibly a program about stringed instruments. 45444. (Roe-UK)
- 7240 **CHINA PBS Xizang**, Lhasa, 08/20, 2105. Music. Nice Chinese music. 25332. (Roe-UK)
- 7270 **CHINA CNR 1** in CC. Domestic broadcast. September 9, 2019, 1428 – 1436. SIO 545, OM announcer with various items, advertisements. Time pips at bottom of hour. Moderate QRN, slow QSB. This is likely intended to jam other broadcasts on this frequency including “Voice of China” clandestine broadcast. TL commentator follows and alternates with OM. (Henley, WA)
- 7280 **VIETNAM V of Vietnam**, Hanoi, 07/20, 1903. English. News; Weekend Music: Revolutionary music. 35333. (Roe-UK)
- 7315 **UNITED STATES OF AMERICA Voice of Vietnam** via WHRI Cypress Creek, SC - 9/1 0132 noted with interview, commentary and light vocal music in Vietnamese; SIO 444. (Bueneman-MO)
- 7340 **CHINA China R Int**, Kashi, 08/04, 1830. Italian. A fun mix of guitar/accordion-type of music with male and female co-hosts. I don't speak Italian - but from what the presenters are saying, it seems like the music is Kazakh music. 55444. (Roe-UK)
- 7355 **SINGAPORE BBC** in KK relay. September 10, 2019, 1535 – 1541. SIO 555. OMs in KK conversation / interview. YL announcer follows. Excellent signal, easy listening. (Henley, WA)
- 7355 **ALASKA. KNLS** religious broadcast. September 13, 2019, 1430 – 1440. SIO 555. Language lesson CC / EE with “Do you always tell the truth?” as a base. OM announcer and instructor. Religious message on “truth.” YL follows language lesson with homily. Excellent signal. Station ID and contact information follows OM with long monologue. Alternates with YL announcer. (Henley, WA)
- 7385 **UNITED STATES.WHRI 6** in EE from Cypress Creek, SC. September 15, 2019, 0017 – 0020. SIO 555. Pop MX with various vocalists and songs. Exceptionally strong signal. Excellent. (Henley, WA)
- 7410 **CHINA China Radio Int'l** in JJ. September 9, 2019, 1436 – 1451. SIO 555. YL commentator in JJ. Pleasant MX with YL vocalist in CC. Listed target is FE. Excellent signal, easy listening. YL monologue continues after MX, and is followed by more MX with YL vocalist. (Henley, WA)
- 7410 **CHINA China Radio Int'l** in JJ. September 10, 2019, 1512 – 1517. SIO 555. OM and YL in JJ / CC language lesson. Excellent signal. Listed target is FE. Henley, WA)

- 7410 **CHINA *China Radio Int'l*** in JJ. September 11, 2019, 1522 – 1528. SIO 555. OM and YL in JJ conversation. CRI ID in JJ. Excellent signal. Polite conversation / round table with multiple participants. (Henley, WA)
- 7410 **CHINA *China Radio Int'l*** in JJ. September 13, 2019, 1440 – 1445. SIO 555. OM with JJ talk. Listed target is FE. Pop MX in CC with YL vocalist. Excellent signal. (Henley, WA)
- 7420 **ROMANIA *Radio Romania Int'l*** via Galbeni - 9/1 0150 noted with Classical music and commentary in Romanian; SIO 333. (Bueneman-MO)
- 7465 **SINGAPORE *BBC*** in Dari, relay via Kranji. September 13, 2019, 1445 – 1452. SIO 343. Talk in Dari. OM and YL in conversation. Target is Afghanistan. Moderate QRN, shallow QSB. Long YL / OM conversation. (Henley, WA)
- 7505 **UNITED STATES OF AMERICA *WRNO*** Worldwide New Orleans, LA - 9/1 0155 noted with *A Time to Dream*, ID, mention of E-mail and postal addresses into *Maranatha Radio*; SIO 455. (Bueneman-MO)
- 7550 **INDIA *All India Radio Vividh Bharati***, Bengaluru, 08/18, 1910. Hindi. Non-stop Indian music (presumably film music) until 1945UT, and the transmission transitioned into the French service. DRM Channel 2: 18dB. (Roe-UK)
- 9420 **GREECE *V of Greece***, Avlis, 07/29, 1900. Greek. Music starting with American Country music for 15 minutes, and then onto some Greek traditional instrumental music. Program is ΦΥΣΑΕΙ Ο ΜΠΑΤΗΣ, ΦΥΣΑΕΙ ΤΟ ΚΥΜΑ which Google translates as the wonderfully named BEATISTS BABY, BROWN THE KYMA show. 55555. (Roe-UK)
- 9435 **UNITED STATES, *WRMI*** 1915, 9-3-19. Oldies played and ABS radio ID at 1917. More oldies. SIO333. (Cichorek-NJ)
- 9435 **KOREA *North Voice of Korea*** at 1510 UTC Sept 7 with news in English. Talk about the Typhoon Lingling that hit the peninsula. Very Good noise free reception unlike // 11710 that was poor. (Delmage, AB)
- 9510 **ROMANIA *R City***, Saftica, 07/20, 0845. English. European oldies. 45343. (Roe-UK)
- 9510 **SINGAPORE *BBCWS*** 9/3 1420. W in (listed) Hindi, news, and with male correspondents reporting. A lot of talk about "Pakistan" - VG (Barton-AZ)
- 9535 **CUBA *Radio Havana Cuba*** via Havana - 8/31 2150 noted with commentary and interviews in Spanish; SIO 323. (Bueneman-MO)
- 9560 **TAIWAN (Tamsui) *Furusato no kaze*** (Opposition/Clandestine), 9/8, at 1430. Good Signal. Opening w/ usual musical themes and tones, W in Japanese - Closing at 1500 - (Barton-AZ)
- 9570 **ALBANIA *China R Int***, Cerrik, 08/25, 0005. English. Chords of China: the Sheng (a multi-reed instrument). 55555. (Roe-UK)
- 9570 **ALBANIA *China Radio Int'l*** relay via Cerrik - 8/17 0111 noted with talk on relations between China and the European Union in English; better signal than on 9580 via Quivican, Cuba. SIO 333 via Albania vs. SIO 323 via Cuba. (Bueneman-MO)
- 9580 **SRI LANKA *AWR*** at 1600 UTC Sept 14 in English with song "Flee as a Bird" by Esther Synthia Murali. AWR India ID at 1602 UTC then Native Studies. Excellent (Delmage, AB)
- 9605 **UNITED STATES OF AMERICA *KBS World*** via WHRI Cypress Creek, SC - 8/17 0109 noted with news analysis in Spanish; SIO 555. (Bueneman-MO)
- 9620 **INDIA *All India Radio*** via Aligarh in Sindhi at 1400 UTC Sept 15 with News followed by music and talk (much distorted). Very Good (Delmage, AB)
- 9625 **TAIWAN *Radio Taiwan Intl.*** (via Paochung) 8/23 at 1500. RTI's Laotian service. Familiar RTI jingle at 1530 - (Barton-AZ)
- 9635 **MALI *RTV du Mali***, Bamako, in French 08.17.2019 0803-0820 local strings sound and singsong chant w/ instrumental music till 0808almost good; (Serra,Roma,Italy)
- 9640 **KOREA, SOUTH *KBS World Radio*** at 1655 UTC August 30 in English talking about restaurants. Sign off announcements and off at 1700 UTC. Poor (Delmage, AB)
- 9650 **GUINEA R. *Guinea***, 2106, 9-9-19. Male vocals in vernacular with male ancr. In French followed by more vocals. SIO323 (Cichorek-NJ)
- 9650 **GUINEA R. *Guinee***, Conakry, in French 08.10.2019 0822-0840 afropop song, man unclear talk w/ some phone beeps and calls (hallo?), poor/almost fair at times (Serra,Roma,Italy)
- 9655 **FRANCE *Radio Algerienne*** – Issoudun, 2111-2152 Sep 12, man announcer speaking in the Arabic language prior to commencement of recitations. At 2142 another man spoke alternating with vocal selections. Good signal. (D'Angelo-PA)
- 9675 **CHINA *China Radio Int'l*** in RR. September 13, 2019, 1453 – 1457. SIO 444. Pop MX with OM vocalist, including some Rap MX. OM and YL announcers. CRI theme MX at sign-off. Off air at 1457. (Henley, WA)
- 9685 **TAIWAN (via Tamsui) *Nippon no kaze*** 8/30 at 1500. Noted faintly on // 7335 (via Taiwan), and only a trace via Palau // TX on 9965. Woman in Korean language over soft piano music, some pop vocal music - 55555 (Barton-AZ)

- 9685 **TAIWAN (Tamsui) *Nippon no kaze***/ bon ue baram (Opposition/Clandestine - Japan v. North Korea) 8/25 at 1500. Opening w/ usual musical themes and tones, W in Japanese. Closing at 1530, then reopening - 44544 (Barton-AZ)
- 9690 **SPAIN *REE***, 2338, 9-3-19. Rapid tal in Spanish by man and woman. Armchair copy with slight fade. (Cichorek-NJ)
- 9700 **VATICAN *R Veritas Asia***, SM di Galeria, 08/25, 0000. Kachin (as listed). Sign announcements by female and male announcers, followed by talk by male announcer. Asian music from 0020 until transmitter off at 0028UT. 55444. (Roe-UK)
- 9705 **VATICAN *Vatican R***, SM di Galeria, 07/20, 2000. English. Hymns, bible reading & various news reports, ending with "The World around Us" (Vatican to cease use of single-use/throw-away plastics). 55444. (Roe-UK)
- 9740 **CHINA *CRU*** (Jinhua site) on 8/29 at 1420. M, W, program hosts in (listed) Sinhala (Sri Lanka), pop music - VG (Barton-AZ)
- 9760 **ALASKA *KNLS*** in CC religious broadcast. September 10, 2019, 1542 – 1550. SIO 555. Mixed OMs and YLs with religious message in Mandarin. Listed target is FE. Excellent signal, clear and strong. Easy listening. (Henley, WA)
- 9760 **ALASKA *KNLS*** religious broadcast in CC. September 11, 2019, 1528 – 1536. SIO 555. YL with religious message. MX clip at bottom of hour. YL follows with additional homily. Excellent signal, clear and strong. Contact information given at bottom of hour. OM with long monologue at 1531, likely a sermon or homily. Language lesson CC / EE using the word "swell" as a base. OM instructor. (Henley, WA)
- 9760 **ALASKA *KNLS*** religious broadcast in CC. September 13, 2019, 1518 – 1525. SIO 444. OM with homily in Mandarin. Good signal. Listed target is FE. Long monologue, pop MX clips, followed by YL with religious message. (Henley, WA)
- 9760 **ALASKA *KNLS*** 9/5 1530 M with monologue in Chinese dialect, very strong w/ ATS-909X in the field - 44534 (Barton-AZ)
- 9760 **ALASKA *KNLS*** 8/21, 1455. Familiar tuning signal to open at 1500, M in Chinese, electronic pop vocals, M in Chinese lang. monologue - SIO 555 (Barton-AZ)
- 9785 **SOUTH KOREA *KBS World*** 8/28, at 1355 with familiar tuning signal repeated to IDs by M, W, in English. Newscast by man in English and introduced by woman in English, some pop music tunes following - SIO 555 (Barton-AZ)
- 9805 **SOUTH KOREA *KBS World*** 1030. M W in Japanese, pop music later in the bx - VG (Barton-AZ)
- 9850 **NORTHERN MARIANAS *Radio Free Asia*** in KK relay from Saipan. September 9, 2019, 1513 – 1518. SIO 444. ID by YL commentator. Listed target is FE. Steep QSB. YL with long monologue in KK, followed by OM announcer. Listenable. (Henley, WA)
- 9865 **INDIA *All India Radio*** Vividh Bharati at 1646 UTC August 29 in Hindi with tunes "Ko Seene Se by Nayen Shankar and "Tujhe Dene Ko" by Abhijeet & Kavita Krishnamurthy. Excellent pre-solar storm. (Delmage, AB)
- 9910 **SRI LANKA *Adventist World Radio*** in Marathi at 1555 UTC Sept 14 with song. AWR India address given at 1557 then off at 1558:30 UTC. Excellent (Delmage, AB)
- 9920 **THAILAND *R Thailand***, Udon Thani, 08/02, 1802. Thai. Talk by female host over muzak background followed by some EZL Thai pop music. 55343. (Roe-UK)
- 9930 **PALAU *T8WH***, 9/5, at 1000 w/ modern pop/rock vocals. Heard with SW-2000629 and aluminum window frame antenna (in use due to weather conditions). M, then W, announcers at BoH, then into new program at 1028 - Fair/Good (Barton-AZ)
- 9939 **ESWATINI *TWR Africa***, Manzini/Mpangela Ranch, in Lingala 09.06.2019 1915-1938 slow religious chant, man long rel. sermon (ment. Yezu), till 1931, choral chant, same man talk till 1934 almost fair/poor at times (Serra, Roma, and Italy)
- 11530 **FRANCE *Denge Welat***, Issoudun, 08/25, 0535. Kurdish. Kurdish music. 55633. (Roe-UK)
- 11530 **CLANDESTINE via PRIDNESTROVSKY (TRANSNISTRIA) *Radyo Denge Welat***, in Kurdish 08.24.2019 0814-0828 local chant w/ instrumental music, brief man vocals chant, (Serra, Roma, Italy)
- 11610 **UNITED KINGDOM *Voice of America***, Woofferton, 1749, 9-4-19. Two men talking in listed Oromo. Sounded like a phone interview. (Cichorek-NJ)
- 11610 **MADAGASCAR *World Christian Broadcasting***, 9/2, at 2100. Heard on Grundig Satellit 205, whip. Monologue with W in Chinese dialect, man, then woman with web address that sounded like: "FMZG India dot org", tenor vocalist, then off - Excellent Sept 2 (Barton-AZ)
- 11619 **ENGLAND *Voice of America***, 1844, 9-3-19. Two men in dialogue in listed Amharic language. Brief music followed by more talk. Fair to poor. (Cichorek-NJ)
- 11675 **CHINA *China Radio Int'l*** (site: Urumqi Hutubi) on 8/24, 1330. Indian music with drums, sitar, flutes. W and M in (listed/sounded) Hindi. 25 meters not usually strong here at this hour, I could have mistaken this for AIR, but it is the India service of China Radio - 44444 (Barton-AZ)
- 11680 **NORTH KOREA *KCBS*** Pyongyang in KK. September 14, 2019, 2343 – 2347. SIO 333. YL announcer in KK between songs. Choral and instrumental MX pieces. Domestic broadcast. Noisy, but listenable. (Henley, WA)

- 11695 **SINGAPORE NHK World/R Japan** (via relay site- Kranji) 8/23, at 1100. M, W with newscast, worsening situation between South Korea and Japan. Michelle Yamamoto and co-host with language lesson. A great radio voice, Yamamoto has a particular tone and delivery that she can be understood here even under very poor condx, (static, etc). Station closed at the bottom, which was program's end - 25433 (Barton-AZ)
- 11750 **SRI LANKA SLBC** at 1643 UTC Sept 14 in (r) Sinhala. JBA (Delmage, AB)
- 11750 **SRI LANKA Sri Lanka BC**, Trincomalee (p), in listed Sinhalese 08.23.2019 1734-1753 man and woman talk (pres. woman interviewing man) till 1739, music pause w/ woman brief announcement, two slow songs, woman and man brief talk (poor/ almost fair at times/very poor (Serra,Roma,Italy)
- 11760 **CUBA Radio Habana Cuba** in SS. // 11850, 11670. September 14, 2019, 2330 – 2342. SIO 555. Latin MX program with African MX influences. OM announcer with station ID between songs. Good MX, good signal, easy listening. (Henley, WA)
- 11770 **NIGERIA V of Nigeria**, Abuja, 08/09, 1950. Fulfulde/Haussa. Male talking, just audible with heavy interference from CRI on 11775. After CRI signed-off at 1957, then VON drumming IS heard followed by male voice talking at 20000UT with mentions of Nigeria. 22332. (Roe-UK)
- 11775 **ANGUILLA Caribbean Beacon/University Network**, 9/8, at 1630. Not heard on earlier checks. PMS (Pastor Melissa Scott) monologue and some revival gospel music breaks. All rechecks up to 2140 had Melissa (np appearance from the late Dr. Gene).Strong signal, but odd whine in background that sounds like a teakettle whistle - 45444 (Barton-AZ)
- 11780 **BRAZIL Radio Nacional da Amazonia**, 2348-0032 Sep 10, man announcer talking in the Portuguese language followed by nice station ID and frequency announcements at 2359. Brief music interlude followed by another station ID. Nice program of pop vocals beginning at 0012. Fair to good. (D'Angelo-PA)
- 11780 **BRAZIL Radio Nacional da Amazonia** at 2229 UTC Sept 9 in Portuguese with News and Information program and many Radio Nacional ID's. Excellent (Delmage, AB)
- 11795 **SINGAPORE BBCWS** 9/7, at 1400. News magazine pgm in (listed) Hindi - F/G (Barton-AZ)
- 11810 **SOUTH KOREA KBS World Radio** in KK. September 14, 2019, 2348 – 2352. SIO 333. OM and YL announcers in KK, with talk and discussion. (Henley, WA)
- 11820 **SAUDI ARABIA BSKSA** Holy Quran, Riyadh, in Arabic 08.21.2019 1848-1905 man long vocal dull chant only till 1859:54", man announcements w/ ID, (Serra,Roma,Italy)
- 11825 **PHILIPPINES BBC** in EE relay via Tinang. September 14, 2019, 2352 – September 15, 2019, 0000. SIO 444. BBC discussion of health matters. Treatment of migraine headaches and the slow progress of effective treatments. Listed target is Indonesia. ID at 2358. Off air, carrier gone at 0000. (Henley, WA)
- 11880 **CUBA China Radio Int'l** in EE relay via Titan Quivicam. September 9, 2019, 1451 – 1501. SIO 343. CRI round table discussion on Chinese popular culture, among younger people including millennials. Minor QRN, QSB and audio distortion. Discussion of the celebration of the founding of Communist China. Military affairs celebration. Target is NAM. Boasting about Chinese "Progress." ID and news at top of hour. (Henley, WA)
- 11880 **CUBA China Radio Int'l** in EE via Titan Quivicam. September 12, 2019, 1514 – 1517. SIO 232. Chinese popular culture round table. OMs and TL in talk. Poor listening, weak signal. (Henley, WA)
- 11880 **CUBA China Radio Int'l** at 1545 UTC Sept 1 talking about US/China trade war. Excellent (Delmage, AB) Tell my why Radio Havana Cuba cannot provide us with a strong clear signal like this for their English transmissions? (Delmage, AB)
- 11940 **SPAIN R Exterior Espana**, Noblejas, 08/11, 1920. Spanish. Opera music presented by male host. Also very strong on parallel 9690 and 11670. 55555. (Roe-UK)
- 11945 **FRANCE NHK R Japan**, Issoudun, 08/11, 1840. Japanese. Old-time Japanese music with male host. 55444. (Roe-UK)
- 11955 **GUAM KSDA**, 8/31, at 2230. M and W in (listed) Indonesian, male chorus - Fair/Good (Barton-AZ)
- 11965 **MADAGASCAR**. 11965, Sept 16 at 2024 tuning across MWV hour in English, I hear two words: "vomiting, diarrhea" ---- and keep right on tuning! (Hauser-OK)
- 11970 **FRANCE NHK R Japan**, Issoudun, 08/25, 0510. English. "Deep Japan" segments about Taki Town, Aichi Prefecture, and Ehime Prefecture. "Deep Japan" about Taki Town, and Aichi & Ehime Prefectures 55444. (Roe-UK)
- 11985 **MADAGASCAR, NHK R. Japan**, 2058, 9-9-19. Female vocal followed by woman in French and 3+1 TP's to 2100 SIO454 (Cichorek-NJ)
- 12030 **SPAIN REE, 2103**, 9-9-19. Male ancr. With program announcements and ID and into news. SIO454 (Cichorek-NJ)
- 12045 **THAILAND Voice of America** (via relay) 8/29 1430, MW program hosts in Korean language, a look back in American cultural history. Reception might have been better, but heard on SW 2000629 and aluminum window frame antenna - in use due to weather conditions - Fair (Barton-AZ)

- 12050 **UNITED STATES WEWN** EWTN Catholic Radio in SS. September 14, 2019, 2333 – 2337. SIO 444. YL with religious discussion in SS. Listed target is SAM. Moderate QRN / QSB. Listenable. (Henley, WA)
- 12070 **THAILAND Voice of America** Radio Ashna, Udon Thani, in Pashto 08.28.2019 1645-1657 man talk, music break w/ man announcement at 1647, woman talk, other men talk (pres. news), w/ music break w / announcement poor/almost fair at times; // 7495 via Thailand, ceaseless fast qsb w/ moderate qrn, almost good; (Serra,Roma,Italy)
- 12160 **UNITED STATES WWCR 2** in EE, Nashville, TN. September 10, 2019, 1517 – 1523. SIO 333. CSC Talk Radio with Beth Ann. Advertisement for “My Pillow” with special offer. Heavy QRN, steep QSB. Listed target is NAM. Conservative talk, interviews, product advertisements. Listenable with difficulty. (Henley, WA)
- 12160 **UNITED STATES WWCR 2** in EE from Nashville, TN. September 12, 2019, 1514 – 1527. SIO 232. CSC talk radio with Beth Ann. “Bringing America Home Again” conservative talk. Focus on manufacturing things in America again. Interview with author of new book. Moderate QRN / QSB. Listenable with difficulty. (Henley, WA)
- 13605 **UNITED STATES Radio Marti** in SS. September 9, 2019, 1507 – 1512. SIO 343. OMs in SS conversation. Declining signal, poor listening. (Henley, WA)
- 13605 **UNITED STATES Radio Marti** in SS from Greenville, NC. September 10, 2019, 1523 – 1531. SIO 333. OMs in SS conversation. Heavy QRN, slow, steep QSB. Listenable with difficulty. Signal deteriorating. Better signal on 11930. Good Latin MX. ID at 1530. Target is Cuba. News at bottom of hour. (Henley, WA)
- 13640 **CHINA China Radio Int'l** in JJ. September 14, 2019, 2321 -2332. SIO 444. OM announcer with long monologue in JJ. TL follows. Pop MX song with YL vocalist, a ballad. More YL talk. (Henley, WA)
- 13650 **CHINA China Radio Int'l** in PP. September 14, 2019, 2311 – 2320. SIO 423. Pop MX. Much QRM, moderate QRN. CRI and NHK competing for this frequency. CRI is winning in the Pacific Northwest. (Henley, WA)
- 13680 **JAPAN NHK Radio Japan** in JJ. September 14, 2019, 2254 – 2300. SIO 444. OM and YL announcers. YL with long monologue. Strong signal, but heavy QRN. Time pips at top of hour, then off air, carrier gone. (Henley, WA)
- 13740 **CUBA Radio Havana Cuba** in SS relay via Beijing. September 14, 2019, 2301 – 2310. SIO 555. RHC with Latin MX program. Positive ID by OM announcer. Heavy QRN, but listenable. Listed target is SAM. This frequency does not seem to be in the on-line data bases, but it is listed in the WRTH spring update as transmitting from Beijing. (Henley, WA)
- 13760 **NORTH KOREA Voice of Korea** in SS. September 14, 2019, 2251 – 2254. SIO 333. Martial MX, choral singing. YL announcer between MX pieces. Noisy listening. (Henley, WA)
- 13840 **NEW ZEALAND RNZI** at 2320 UTC August 30 with Jethro Tull’s “Bouree”. GOOD but increasing splatter from Melissa Scott on WWCR 13845 kHz. (Delmage, AB)
- 13840 **NEW ZEALAND RNZI** at 0220 UTC Sept 12 with South Pacific news program. Fair (Delmage, AB)
- 15120 **NIGERIA V of Nigeria**, Abuja, 08/11, 1815. English. Nigerian pop music; promo about an HIV-free generation, then Theatre on the Air at 1830UT DRM: 22dB. (Roe-UK)
- 15120 **CUBA. China Radio Int'l**, Sept 20 at 0004, S5-S7 of dead air, no doubt the CRI Spanish relay as also on 5990 and even modulating. // 15120 was scheduled in B-18, and has kept showing up in A-19 (Hauser-OK)
- 15420 **CLANDESTINE Voice of Oromo Liberation** – Nauen, 1718-1800\* Sep 11, program mainly of Oromo language talks but some instrumental music between segments. Program cut at 1800 in mid-sentence while man announcer was talking. Poor to fair. (D’Angelo-PA)
- 15445 **GERMANY NHK R Japan**, Nauen, 08/25, 1810. Japanese. Traditional and old-time Japanese music (with vintage recordings) - with male host. 55444. (Roe-UK)
- 15540 **KUWAIT R. Kuwait**, Sulaiyah, in listed Urdu 08.18.2019 1621-1635 man talk, music pause, man /woman talk, w/ some music breaks poor/ fair (Serra,Roma,Italy)
- 15590 **THAILAND Radio Thailand** in EE. September 15, 2019, 0000 – 0010. SIO 444. Mixed OM and YL announcers. News of the Pope’s visit. Flooding problems, use of chemicals in agriculture. Listed target is NAM. Listenable. (Henley, WA)
- 15590 **THAILAND Radio Thailand** at 0103 UTC Sept 12 still relaying English Media Thailand FM 88 when not supposed to be in English. Fair (Delmage, AB)
- 15600 **CHINA China Radio Int'l** in SS. September 14, 2019, 2237 – 2241. SIO 545. CRI to SAM. OM and YL announcers with news items and commentary. (Henley, WA)
- 15600 **CHINA China Radio Int'l** via Beijing at 2314 UTC August 30 in Portuguese with talk and ID’s noted. Very Good (Delmage, AB)
- 15730 **CUBA Radio Habana** Cuba in FF. September 14, 2019, 2232 – 2236. SIO 434. RHC French service to SAM. OM and YL news readers. Mention of Israel election, and Hong Kong unrest. Noisy signal. (Henley, WA)




# On the Short Waves

by Jerry Berg

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> **Update, September 1, 2019** — We have posted two new groups of trinkets. Trinkets-X, under “DX History/Equipment & Advertising,” contains three items: an Atwater-Kent receiver escutcheon; a Collins Radio Co. 50-year medal; and a medal issued to promote the Panasonic RF-5000 receiver (“The Best Portable in the World,” it says). We have already posted several Radio Free Europe-Crusade for freedom pins <[http://www.ontheshortwaves.com/Stations/RFE\\_pins.pdf](http://www.ontheshortwaves.com/Stations/RFE_pins.pdf)> In Trinkets-XI (under “DX History/Stations”) we have posted two more: a Radio Free Europe-Radio Liberty pin, and another “Newspaper Boys’-Crusade for Freedom” pin, together with the cardboard carrier to which it was originally attached.

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> **Update, September 8, 2019** — Aside from their value as confirmation of one’s reception, QSLs often tell a story about the station and the times. This is especially true of the very old QSLs that we have posted in our new section under “Specialized Resources.” “The Early DX of David F. Thomas” presents selected QSLs from the collection of a long time Ohio DXer who entered the hobby just four years after the famous KDKA broadcast. He tuned the standard broadcast band with an Atwater Kent receiver, eventually branching out to shortwave as well (KDKA was also the first shortwave broadcaster, having started regular shortwave transmissions in 1923). Dave’s BCB QSLs from the 1920s reflect the varied station ownership of the time, and provide a window into many interesting details of station operation. We hope to post more of Dave’s QSLs in the future. Thanks to Dave’s son, Paul, for making them available.— And Adrian Peterson brings us three new stories from radio’s early history: “Titanic Wireless Cabin” (Wavescan N546, August 11, 2019); “The Early Wireless Scene in South American Uruguay-1” (Wavescan N547, August 18, 2019); and “Australian Shortwave Callsign VLR-1” (Wavescan N547, August 18, 2019). — And finally, on the “Specialized Resources” Colin Miller page, a new recording of the Voice of Nigeria, from the 1970s.

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> **Update, September 15, 2019** — We have added a new section, “Clandestine, Opposition and Target Broadcasts,” under “Shortwave Broadcast” in “The CPRV Gallery.” This time we have posted QSLs from Europe and Africa. These are mostly from my own collection, but we welcome submissions from others.

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> **Update, September 22, 2019** — Under “CPRV/The CPRV Gallery,” we have added a group of QSLs from the Americas in the new “Clandestine, Opposition and Target Broadcasts” section. — And under “DX History/Stations,” we have added a short last-page addendum to the article, “Barbados Shortwave Redux.” 

## 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.