

The ~~NASA~~ Journal

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JUNE 2019



North American Shortwave Association – America's Shortwave Broadcast Club

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

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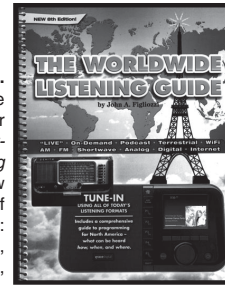


WORLDWIDE LISTENING GUIDE

By **J. Figliozzi**.

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

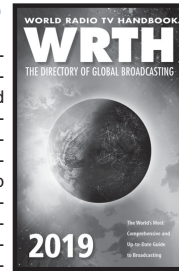
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2019 WORLD RADIO TV HANDBOOK

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

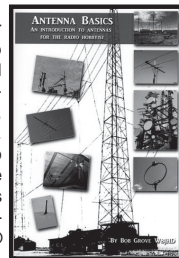
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ANTENNA BASICS

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

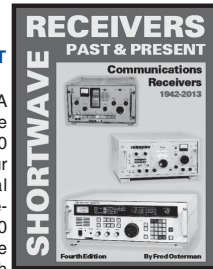
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SHORTWAVE RECEIVERS PAST & PRESENT 1942-2013

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NASA Notes

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

Tim Noonan advises that the 26th annual Madison-Milwaukee Get-Together will be on Saturday, August 17 at the Noonan's home in Oak Creek, Wisconsin, at 801 E Park Blvd. Radio hobbyists of all kinds are welcome. E-mail Tim at <DXing2@aol.com> or phone 414 813-7373 if you would like more information. Several of our club members attend each year so if you can be in the area this one is worth attending.

This month's John Herkimer has prepared another interesting cover for this month's edition of The Journal featuring Radio Kuwait. Still active on the shortwave bands, see Listeners Notebook for latest broadcasting information, Radio Kuwait sent listeners many different QSL verification cards over the years as well as stamps and interesting envelopes. This month's cover provides a nice mixture of material received from the station over the years. However, in recent years the station has not been responsive to listener reception reports although perhaps that might change in the near future. I receive multiple calendars from them annually so somebody at the station still maintains a mailing list.

Gayle Van Horn tells us that Teak Publishing is pleased to announce the release of the Global Radio Guide (Summer 2019). It's the 12th edition of the electronic book by Amazon author Gayle Van Horn W4GVH. The book was formerly known as the International Shortwave Broadcast Guide. This Amazon 'electronic' book is your ticket to travel the Global Radio bands. The heart of this publication is a 24-hour station/frequency guide with Summer 2019 schedules for selected me-

dium wave and all known longwave/shortwave radio stations. This unique resource is the only radio publication that list by-hour schedules that includes all language services, frequencies and world target areas for over 500 stations. There are listings of DX radio programs and Internet websites addresses for many of the stations in the book. There are also entries for standard time and frequency stations, and even a few other intriguing shortwave radio stations. New in this 12th edition of the GRG is a Summer 2019 Propagation Forecast, by international radio propagation expert, Tomas Hood NW7US. Tomas looks at summer radio conditions and the new solar cycle. Gayle and Larry Van Horn have joined forces again penning a very timely article on monitoring the Venezuelan political crisis including broadcast and military frequencies. Other authors in this edition include The Spectrum Monitor's Fred Waterer, with a feature on summer radio programming and Richard Fisher with an easy homebrew antenna support construction article. The 12th edition of the Global Radio Guide e-Book (electronic book only, no print edition available) is available worldwide from Amazon and their various international websites at <https://www.amazon.com/dp/B07R-81NJHD/>. The price for this latest edition is only US\$8.49. Since this book is being released internationally, Amazon customers in the United Kingdom, Germany, France Spain, Italy, Japan, India, Canada, Brazil, Mexico and Australia can order this e-Book from Amazon websites directly servicing these countries. The Global Radio Guide will have wide appeal to amateur radio operators, shortwave radio hobbyists, news agencies, news buffs,

Unity and Friendship

educators, foreign language students, expatriates, or anyone else interested in listening to a global view of world news and major events as they happen.

The World Radio TV Handbook (WRTH) has issued A19 updated schedules which are available only online at <http://www.wrth.com/>. The Update to the WRTH A19 schedules are in a 38-page supplement online. The updates for the "A" season international schedules are provided as a free service but a voluntary donation from readers is appreciated to support the continuation of these free updates. This month's Listeners Notebook includes updates provided by the WRTH.

From Harold Sellers we learn that the entire series of articles written for the Proceedings books developed in the 1990's are now available as individual articles from the Ontario DX Association IO Group. Back in the late 1980s and early 1990s several members of the Fine Tuning group of DX'ers compiled collections of articles, written by DX experts, and published them in a series of books, known as "Proceedings". There were articles on receivers, antennas, propagation, peripheral equipment and other topics. These books have been difficult to obtain. DXers tend to keep them in their libraries. Now these articles are available as PDF documents, freely downloadable from the Ontario DX Association IO Group. Look under Files. The articles are grouped into five folders: Receivers, Antennas, Propagation, Peripheral Equipment and Features. Spread the word, so others can benefit from the knowledge and expertise of the writers of these excellent articles. Thanks to Harold and the ODXA gang for making this available to the hobby community.

Also available from Teak Publishing is The Milcom Files - TSM Edition by Larry Van Horn. All his early MT columns have been published into two eBooks by Teak Publishing. The first

two books in the Milcom Files series cover his columns published in Monitoring Times and have previously been published at Amazon. Book one of The Milcom Files covers the columns published from 1998 to 2006 and sells for US\$5.99 at <https://www.amazon.com/gp/product/B077NN7RQ5>. Book Two covers the period 2007 to 2013 and sells for US\$6.99 at <https://www.amazon.com/gp/product/B077NQXH3C>. Teak Publishing is pleased to announce the release of their latest Kindle eBook -- The Milcom Files - The Spectrum Monitor edition by this Amazon bestselling author. In 2017 Larry joined the Spectrum Monitor writing staff as he continues to chronicle military monitoring in his new monthly TSM Milcom column. Now for the first time, he is publishing all his monthly TSM Milcom columns at Amazon. This The Milcom Files - TSM Milcom edition eBook is available now on Amazon at <https://www.amazon.com/dp/B07RN1ZGLJ/> for US\$4.99. If you are interested in monitoring military communications and own a scanner, shortwave radio, or have an Internet connection for web software defined radio (SDR) monitoring, the Milcom Files TSM 2017-2018 is a must reference on your radio shack shelf. Larry Van Horn N5FPW, has been a radio hobbyist for more than 55 years listening to world events and monitoring military radio communications. He has spent over 33 years documenting activity in the military radio spectrum in his monthly Satellite, Utility World, and Milcom (Military Communications) columns in the pages of Monitoring Times, Satellite Times, and The Spectrum Monitor magazines. During this time, he has published a treasure trove of military communication monitoring information.

Don't forget that the new edition of the Domestic Broadcasting Survey (DBS-21) is now available. This is the twenty-first edition of this valuable DXing tool which is now offered free of charge for shortwave listeners world-

wide. The completely updated DBS-21 with 15 pages is now available on www.dswci.org, click Domestic Broadcasting Survey - Latest Issue. Any DXer may download it FREE OF CHARGE and use it when DXing.

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



Publisher's Corner

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

Summertime ideas

Just because DX isn't as good in the summer doesn't mean there aren't ways you could use NASWA resources to enjoy the hobby more! Here are a couple of ideas:

Finding and reporting anomalies

Some folks enjoy looking for stations that are in the wrong language or on the wrong frequency at a particular time. Being able to quickly report an anomaly so others can find it, or to seek confirmation as to whether a station has added frequencies or transmissions mid-season is a great way to use the NASWA e-group and Facebook resources. E-mails sent to the e-group show up in members' inboxes immediately in many instances - which could enable you to get a confirmation of what you're hearing before the anomaly is corrected.

Even reporting the information to the Flashsheet can flag the anomalous broadcast for others within a week, so others can be on the lookout for future slipups.

Before / after antenna comparisons

This is the time of the year when folks are repairing old antennas or installing new ones - and a chance to perform A/B comparisons and share your findings with club members.

While your comparison might be of something like WWV versus hard-to-catch DX, it can suggest to others how their situation might be improved with a new antenna or other equipment.

Depending on how much detail you put into your analysis, this is something that could easily be sent in as a musing, or even as an in-depth article for Shortwave Center.

Describing other shack improvements you've made in the summer can serve as an inspiration to others who might be on the fence.

Listening in vacation locations

If you're heading somewhere for a summer vacation, take a shortwave radio along. Even if all it has is a whip antenna! You might find a different mix of stations audible based on where you're traveling. Share those here, either as loggings, or as a musing of overall differences in what you can hear.

Those of you specifically headed to beach locations...listening on the water can enhance reception since propagation over water, at many frequencies, is improved vs. propagation over land.


Write a little profile of yourself as a Musing
Years past, we had a member profile column

– where folks would send in a note regarding their location, the types of listening they focus on, and the equipment they use.

While we don't have a member profile column on a regular basis these days, you could still take a few minutes during summer downtime and craft a profile to be published as a musing. You might be able to connect with someone who shares your particular passion, and both of you could benefit – each learning something new to help improve your listening environment or help you better recognize what you're listening to.

To conclude – with DX conditions less favorable, use the summertime break to better connect with other club members and share some aspect of the hobby.

You'll be helping other club members get more out of SWLing and you might find yourself connecting with someone who shares your interests!

Good listening – Richard 

Listening Review

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

Welcome to Listening Review for June.

China Radio International

Once again, China R Int have revamped their program schedule. A few months ago, CRI started including audio of TV programs from CGTN. As the CRI website doesn't include up to date program schedules (there are several versions of old schedules still available), I attempted to compile their full 24 hour / 7-day schedule. As I was nearing completion, I noticed that some programs had again changed, with the CGTN programs dropped and other new programs introduced.

So, here is the complete CRI English Schedule, as monitored during May 2019. The CRI broadcast day runs from 1600UT, so programs from 0000-1600 are heard one UT day later than 1600-2400. All programs are daily, unless otherwise indicated; all times and days are UTC.

1600-05: Hourly News
1605-30: Chinese Theatre
1630-55: Alight on Literature
1655-00: Chinese Studio
1700-05: Hourly News
1705-00: Roundtable
1800-05: Hourly News
1805-30: Selfie (*Sun-Wed, Fri*)
My China Story (*Thu*)
Beijing Calling (*Sat*)
1830-55: Takeaway Chinese
1855-00: Chinese Studio
1900-05: Hourly News
1905-00: The World Today
2000-05: Hourly News
2005-30: Chinese Theatre
2030-55: Alight on Literature
2055-00: Chinese Studio
2100-05: Hourly News
2105-00: Roundtable
2200-05: Hourly News
2205-30: Takeaway Chinese
2230-55: Chinese Theatre
2255-00: Chinese Studio

2300-05: Hourly News
 2305-00: The World Today
0000-05: Hourly News
 0005-30: Selfie (*Mon-Thu, Sat*)
 My China Story (*Fri*)
 Beijing Calling (*Sun*)
 0030-55: Alight on Literature
 0055-00: Chinese Studio
0100-55: The Beijing Hour
 0155-00: Chinese Studio
0200-05: Hourly News
 0205-00: Studio Plus (*Hour 1*)
0300-05: Hourly News
 0305-00: Studio Plus (*Hour 2*)
0400-05: Hourly News
 0405-30: Selfie (*Mon-Thu, Sat*)
 My China Story (*Fri*)
 Beijing Calling (*Sun*)
 0430-55: Language Cafe
 0455-00: Chinese Studio
0500-55: The Beijing Hour
 0555-00: Chinese Studio
0600-05: Hourly News
 0605-30: Selfie (*Mon-Thu, Sat*)
 My China Story (*Fri*)
 Beijing Calling (*Sun*)
 0630-55: Language Cafe
 0655-00: Chinese Studio
0700-55: The Beijing Hour
 0755-00: Chinese Studio
0800-05: Hourly News
 0805-30: Selfie (*Mon-Thu, Sat*)
 My China Story (*Fri*)
 Beijing Calling (*Sun*)
 0830-55: Language Cafe
 0855-00: Chinese Studio
0900-05: Hourly News
 0905-00: Roundtable
1000-05: Hourly News
 1005-00: Studio Plus (*Hour 1*)
1100-05: Hourly News
 1105-00: Studio Plus (*Hour 2*)
1200-05: Hourly News
 1205-30: Selfie (*Mon-Thu, Sat*)
 My China Story (*Fri*)

 Beijing Calling (*Sun*)
 1230-55: Takeaway Chinese
 1255-00: Chinese Studio
1300-05: Hourly News
 1305-30: Chinese Theatre
 1330-55: Alight on Literature
 1355-00: Chinese Studio
1400-05: Hourly News
 1405-00: Roundtable
1500-05: Hourly News
 1505-00: The World Today

Program Highlights

On the evening of Friday 17 May, I once again made a full recording using my SDR radio set to record a band spread from 3850 to 9950kHz continuously from 1800-2400UTC. I'm still to review much of the recording, so here are a few highlights for the 1800-2000UT slot.

VOA Deewa Radio in Pashto was putting in a good signal 5890kHz via Biblis from 1800UT. I've heard this station often enough, but rarely have I actually listened for any length of time. The program comprised some opening comments and then into a rather nice 5-minute long middle eastern song with female vocals. A presenter then took over and conducted an interview over the phone, in which the interviewee occasionally sang 'a capella'. The program continued with more telephone chat and middle eastern music. It all sounded fairly informal and not news or current affairs-orientated. It was a pleasant hour. Both 5890 and 7540kHz are scheduled from 1700-1900 daily, and I'll check back on this station more frequently in future.

All India Radio in Urdu has been heard with a great signal into the early evening here in the on 6140kHz quite regularly for several weeks now fading-in from before 1800UT until transmission ends at 1930UT. This hour-and-a-half slot is mostly a pleasant mix of

Indian music, comprising raga and classical music and also rather more upbeat film music and similar. Tonight's program followed this pattern. I'm rather less keen on raga and classical music, which I find to be a little hypnotic (raga in particular); however the film music is more enjoyable for me. I use the term "film music" as a rather generic term – I'm not sure that the tunes I hear are actually film tunes, but the term gives a sense as to the type of music. 6140kHz is scheduled from 1430-1930 daily.

Radio Tumbril had a generally good signal with the program *Encore* broadcast via Channel 292 on 6070kHz from 1900-2000UT. *Encore* is one of the rare programs available on shortwave playing classical music, produced and presented by Brice Avery. This episode (in which all pieces were requested by listeners) started off in fine style with *Dance of the Knights* from Prokofiev's *Romeo & Juliet* and later *The Judge* from *Mors et Vita* by Charles Gounod. It was a very pleasant hour, and I can see that I'm going to enjoy a lot of varied classical pieces in this program. Here's a reminder of their schedule: 1500-1600UT Sundays and 1900-2000UT Fridays on 6070kHz (via Channel 292), and 0000-0100UT Mondays on 7490kHz (via WBCQ). Whilst I'm sat here listening to this program *for the second time*, it's worth mentioning that 1500UT on Sunday now brings a clash of programs, with *Encore* on 6070kHz and another favorite (produced and presented by NASWA member: Bill Tilford) *From The Isle of Music* on 9400kHz via Spaceline, Bulgaria. However, all is not lost: I now set my SDR with a bandwidth of 6MHz centered on 7000kHz and so can record both frequencies at 1500. I then listen live to whichever has the best reception, and then subsequently to the other frequency. If either, or both, frequencies are poor on Sunday, then 6070kHz at 1900UT has repeats on Tuesdays (*From The Isle of Music*) and Fridays (*Encore*).

Radio Thailand World Service usually puts in a good signal into the UK on 9920kHz in Thai, English and German from 1800 to 2115 (except for a 15-minute slot from 2015-2030). I start at 1800 with a one-hour program in Thai comprising mostly modern Thai, with some Western, music and a little chat by two female co-presenters. I guess most of the Thai songs are current chart hits. It's a pleasant enough way to pass an hour until 1900UT when there is a one-hour program in English. This program is a replay of the news hour broadcast earlier on local (I think) FM frequencies. News includes an announcement that the Thai Forest Conservation Party (who have two seats in parliament) has decided to join a political alliance led by the Palang Pracharath Party in a bid to form a coalition government. This was followed by a news item reporting that the Electricity Generating Authority of Thailand (Egat) will be "*purchasing another 200,000 metric tonnes of palm oil for electricity generation in a bid to alleviate the price of palm oil*", by which I assume the purpose is to push the prices of palm oil up. At a time when the use of palm oil is in the news because of the effect on the eco-system of the clearance of large areas of tropical forests, I wonder what the Thai Forest Conservation Party's view is on this development. A few minutes later, the conservation theme continues with an announcement that various national parks will be closed until September or October will be closed to allow them to recover from damage caused by visitors. After a couple of local adverts is a Global news segment. At twenty minutes into the program are two promos from the PTT extolling the benefits of renewable and sustainable energies: "... *we promise [that] we will protect the forests together for our life and the future. [...] with fossil fuels becoming a non-renewable resource and becoming more scarce every day, it is important to discuss renewable energy for the*

future. [Renewable energies] are often lower in cost, waste-free and can be harvested without harm to nature. [...] PTT: sustainable growth for all." Hmm – I'm not sure how the purchase of palm oil fits into that. Continuing this theme, a few minutes later is a report on the 2019 International Conference on Bio-Diversity about to be held in Bangkok. An interesting hour of news and comment from Thailand aimed at a local, rather than international, audience. (The transmission continues with German from 2000-2015, English news 2030-2045 and Thai news 2045-2115).

Radio Mali is heard on 9635kHz with a good signal at 1800UT running later than scheduled and with an excellent signal with a frequency announcement in French and very clear ID "*Vous écoutez Radiodiffusion Télévision du Mali*" and a little local African music followed by some talk until the transmitter cut off at 1818UT. Two minutes later, I see a transmitter come up on 5995kHz with some African music. Reception here is markedly weaker and noisier than 9635kHz had been, but I think safe to presume this to be Mali. The signal remains until 0001UT when it cuts off, and spot checks through the period show no appreciable improvement in the signal.

Voice of Turkey provides plenty of Turkish music throughout the day, throughout the various language services. At 1800UT there was an excellent signal for their Turkish service on 9460kHz and (following a news broadcast) presented 55 minutes of very enjoyable music, including several songs that sounded rather like tangos. I stay with this for the through until 1900, when the tone changes and a

discussion program commences including frequent short breaks of traditional Turkish music with a single male voice and a stringed instrument. I guess that this is a program marking Ramadan. 9460kHz is scheduled in Turkish from 1600-2100UT. Meanwhile, the English service has fair-to-good reception on 5945kHz from 1830UT (actually: from 1833UT when the transmitter fires-up midway into the news broadcast). From 1845-1915UT is more Turkish music, interrupted by the program *Turkey's Tourist Attractions*, today featuring Mardin "*the shining city of Mesopotamia*". This five-minute program described the geography and history of Mardin and detailed some of the many historical sights and sites that can be visited by tourists. It was an interesting enough program, and certainly would inspire interest as a possible tourist destination when visiting, however it was perhaps a little unimaginative and sounded a little like a Wikipedia or Wikitravel entry. Location reports from Mardin, with input from local people and the like would have been more interesting. However, I realize that this would be an expensive and time-consuming production, so there is no complaint from me – just an observation.

These are just a few highlights of programs that I have listened to during the 2-hour slot 1800-2000UT. I have another 4 hours still to review, but that may not be possible right now. I'll try and archive the 500Gb of data and perhaps I'll come back to it another day when reception conditions are particularly poor.

Until next time, 73s and good SWL. Alan 

International Broadcasting

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<http://www.kimandrewelliott.com>

“US Broadcasting to Cuba Rife With Bad Journalism”

The Voice of America's Brian Padden reports on an independent audit of the Office of Cuban Broadcasting (Radio/TV Martí), under the headline “Audit: US Broadcasting to Cuba Rife With Bad Journalism, Ineffective Propaganda,” May 21 ...

The U.S. government service charged with delivering objective news into Cuba produces both “bad journalism” and “ineffective propaganda,” according to an independent audit released Tuesday.

The U.S. Agency for Global Media (USAGM), which oversees taxpayer-funded international broadcasting, ordered the audit of the Office of Cuban Broadcasting (OCB) in February in response to broadcasts last year that contained anti-Semitic remarks about billionaire philanthropist George Soros.

The segments on OCB's TV Martí prompted widespread condemnation and led to disciplinary action against nine OCB journalists.

John Lansing, the CEO of USAGM, later apologized to Soros and launched the audit to find “any patterns of unethical, unprofessional, biased or substandard journalism” at OCB.

The results amount to a harsh indictment of practices at OCB, which as part of USAGM is required by law to provide objective, balanced programming that reflects a variety of viewpoints.

Instead, the five experts on the audit panel said the journalism at OCB – radio, TV and online – is one-sided, fails to provide context and crosses into strident advocacy for hard-line Cuban dissident causes.

“It's not just advocacy; it's really like an old-style kind of propaganda, of constant hammering,” said the panel's chairman, Edward Schumacher-Matos, a professor at the Fletcher School of Law and Diplomacy at Tufts University.

The audit says that “almost any criticism” of the Cuban government is allowed on Radio and TV Martí programs, while there is “little or no attempt to obtain a response or provide balancing information.”

“Well-established norms of objectivity are routinely disregarded in favor of propagandistic communications tactics,” the panel said. The agency's programs are “unlikely to succeed in promoting freedom of democracy given the demography, culture and circumstances of Cuba today.”

The relentless anti-Cuba advocacy “crowds out other kinds of news coverage and even advocacy journalism that might be more effective, for example telling positive stories about you or about the United States,” said audit panelist Roberto Suro, former director of the Pew Hispanic Center.

In an introduction to the report, Lansing said a working group to update journalistic standards has been appointed and a new best practices editor will be brought in. “Additional training covering fairness, objectivity,

balance and bias in coverage will be required for all OCB employees," he wrote.

Troubled history

Based in Miami, OCB oversees Radio Martí, which began in 1985; TV Martí, which started five years later; and an online news site. The agency's budget was \$29 million in 2018, and its broadcasts – often jammed by the Cuban government – reach an estimated 11 percent of the island's population.

Radio and TV Martí have long been faulted for bad journalism and propaganda. In 1999, the State Department's inspector general said the stations had "problems with balance, fairness, objectivity." A U.S. Senate investigation in 2010 said Martí had "negligible support from among the Cuban people."

Despite the criticism, Radio and TV Martí have had continued support from the U.S. Congress. But that won't be the case if they don't improve, said Tomás Regalado, the former Miami mayor who leads OCB.

Regalado was appointed by the Trump administration and took over in June 2018, the month after the segments disparaging Soros were broadcast. "One member of Congress told me, 'Well, if Radio and TV Martí doesn't reinvent itself, it cannot be defended'," Regalado said.

In addition to the OCB, USAGM oversees four other networks: the Voice of America, a federal organization; and three nonprofit organizations, Radio Free Europe/Radio Liberty, Radio Free Asia and the Middle East Broadcasting Networks, which receive grants from USAGM.

Open propaganda

Authors of the audit acknowledged an "inherent tension" in all USAGM news organi-

zations as part of the government. But they said "nowhere is that tension more acute" than in TV and Radio Martí.

"Martí openly engages in both propaganda and the promotion of a current administration's foreign policy," the report says, "in this case towards Cuba (as well as Venezuela and Nicaragua)."

The audit cites multiple examples of Martí failing to meet journalistic standards, among them:

- Hosts and guests on Martí programs are "so anti-Castro that their language is often raw." The host of one program, a dissident who spent 16 years in jail in Cuba, called the Castro government a "cancer."
- A 30-minute program focused on the Trump administration's decision to let U.S. former owners of properties seized by the Cuban government file lawsuits in U.S. courts. No one explained why that might be detrimental for a new democratic government in Cuba and was avoided by previous administrations.
- Though Martí's straight news had few factual errors, there was "no effort" to add context. Instead, "guest(s) and hosts often refer to events from the 1960s with no explanation for an audience not intimately familiar with or too young to know about the early stages of the Cuban revolution."

The full text of this VOA story is available at bit.ly/2JULzk8. The report itself can be obtained at bit.ly/2VHCfxB. USAGM CEO John Lansing's statement is at bit.ly/2HHpDBE.

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



Shortwave Center

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*Spring in the Northeast has been pretty much chilly and soggy. Let's hope June is the start of getting us outside more – with our radios of course! Among other items this month, we have an excellent contribution from longtime NASWA member, Ron Hunsicker. My advice? Take this copy of **The Journal** with you to the beach and impress all the bathing beauties there. (Yeah, sure...)*

SHORTWAVE HISTORY

Radio Piracy on the High Seas: Commercial Demand for Taboo Music



(Radio World NewsBytes 4/24/2019)

Reprinted by Permission

by Al Williams

The true story of pirate radio is a complicated fight over the airwaves. Maybe you have a picture in your mind of some kid in his mom's basement playing records, but the pirate stations we are thinking about — Radio

Caroline and Radio Northsea International — were major business operations. They were perfectly ordinary radio stations except they operated from ships at sea to avoid falling under the jurisdiction of a particular government.

Back then many governments were not particularly fond of rock music. People wanted it though, and because people did, advertisers wanted to capitalize on it. When people want

to spend money but can't, entrepreneurs will find a way to deliver what is desired. That's exactly what happened.

Of course, if that's all there was to it, this wouldn't be interesting. But the story is one of intrigue with armed boardings, distress calls interrupting music programs, and fire bombings. Most radio stations don't have to deal with those events. Surprisingly, at least one of these iconic stations is still around — in a manner of speaking, anyway.

Why a Ship?

In 1964, Ronan O'Rahilly decided there was a market in the United Kingdom for rock music. O'Rahilly — an Irish musician manager — was frustrated he could not get airplay for artists he represented. The major record labels had control of the limited amount of rock programming allocated on government-sanctioned stations. His solution was to start his own radio station. However, in the UK only the government — the BBC — were permitted to broadcast radio programs. Britain didn't open up the airwaves to domestic competitors until 1973. If O'Rahilly were only going to do shortwave, he might have opened a station anywhere, but the first broadcasts were on the AM band (1520 kHz) so the transmitter needed to be close to the intended audience.

The solution was to put the transmitter on a ship and keep it in international waters near the intended audience. This wasn't a new idea. Stations operating outside the law sprung up almost as soon as there were laws. Radio Mercur was the first known case of high-seas broadcast radio, operating off the coast of Denmark in 1958. Even some legitimate broadcasters — like the Voice of America — used a ship to put transmitters near the Eastern Bloc as early as 1952.

Anchored off the coast of Greece, they had the Greek government's permission to be there. So despite Moscow's feelings about the matter, they were not technically pirates.

However, the situation in the UK was even more complex. The government required, at that time, a license fee for a radio receiver. Part of that license prohibits the licensee from listening to unauthorized — well, perhaps unauthorised, since it is English — broadcasts. So, in theory, just listening to a radio station in another country like the popular Radio Luxembourg, was technically against the law. This wasn't really enforceable. As an aside, the radio set license ended in 1971, but there is still a license required for TV sets today.

O'Rahilly wasn't the only one who noticed the gap between public demand and the radio monopoly. Radio Atlanta was struggling to beat O'Rahilly to be the first on the air.

The Ships

O'Rahilly took on six investors and bought a 702 ton passenger ferry, the Fredericia. It was fitted out for radio service, rechristened the MV Caroline, and anchored off Felixstowe in 1964 to begin broadcasts. Project Atlanta was working on the MV Mi Amigo. However, the two ventures merged and the Mi Amigo started broadcasting as Radio Caroline South while the Caroline became Radio Caroline North, moving to the waters off the Isle of Man. This allowed coverage of most of the UK. The two stations sometimes played the same prerecorded programming.

The audience for Radio Caroline quickly topped 10 million. After merging with Project Atlanta, Radio Caroline South was losing audience to Radio London, another pirate station launched by a Texan, Don Pierson, af-

ter reading about Radio Caroline and Atlanta. Radio London operated from MV Galaxy, a former U.S. Navy minesweeper. You can watch a movie short from around that time where a film crew visited the Caroline below.

The merger between Caroline and Atlanta had left O'Rahilly with a co-director, Allan Crawford. O'Rahilly bought out Crawford and set out to regain audience from Radio London. An increase in power and change of frequency succeeded, and Caroline's audience exceeded 23 million.

When the movie cameras arrived a year later, there was no doubt that radio Caroline was a success.

Pirate Violence

So far, the story just sounds like some slightly shady business dealings. However, a pirate station, Radio City, operating from a marine fort off the coast of Kent caused the first real legal problems. Radio Caroline wanted to acquire Radio City and one of Caroline's directors — Oliver Smedley — made a deal with Radio City's Reginald Calvert to upgrade the station's transmitter. However, the transmitter didn't work out and the deal fell apart. Smedley sent ten men to recover the transmitter. Calvert went to Smedley's home to demand the men leave. A violent struggle ensued leaving Calvert shot dead.

Initially, Smedley was charged with murder, but this was eventually reduced to manslaughter and at trial, a jury acquitted him.

Politics

In 1967 the UK made it illegal to supply or purchase advertising from the illegal pirate broadcasters. Reasons cited included interference to other ships, not paying royalties

to record companies, and violation of international agreements.

This law shut down at least two stations, Radio London and Radio 270. Radio Caroline just moved their supply operations to the Netherlands which didn't pass a law prohibiting commerce with pirate broadcasters until 1974.

The law had two other effects, though. Radio Caroline started going by Radio Caroline International. In addition, the BBC hired most of Radio London's DJs and started BBC Radio 1, which had a similar format to Radio London.

Under Attack

Radio Caroline was getting resupply from the Netherlands, but they apparently failed to pay some of their bills. Early 1968, the ships were boarded and towed to the Netherlands because of non-payment, causing the station to go silent. At about the same time a few land-based pirate stations without the reach of the large ship-based transmitters began using the Radio Caroline name.

The real drama, however, came aboard another pirate station: Radio North Sea International (RNI). RNI started as an attempt to use the Galaxy (the old Radio London ship) to start another radio station. That project didn't make it, but it did lead to the building of the Mebo II which by 1970 was anchored in international waters near Clacton. She could broadcast on four different frequencies at once, including FM and shortwave. The huge transmitters were capable of 105 kW, although typically ran at about 60 kW.

During the 1970 general election the UK government, controlled by the Labour party at the time, started jamming RNI. RNI briefly changed their name to Radio Caroline International (with O'Rahilly's support), and

started a vigorous political campaign for the Conservative party who supported commercial radio. After the election, RNI changed its name back, but jamming continued. There was some innuendo that RNI was broadcasting coded messages to East Germany, although that's far from certain.

But it was late 1970 when the attacks went beyond the electronic. A failed deal with a nightclub owner named Manders went very wrong. It isn't clear exactly what caused it, but Manders showed up with a tug boat. He approached the Mebo II in a launch, reportedly carrying a woman and a child to deter attacks.

DJs for the station made breaks in programming to report they were under attack and asked listeners to phone their main office to report it. Remember, there were no satellite phones in 1970. The tug threatened to spray water on the antenna until the Mebo II crew told them it would electrocute everyone on the tug. That seems unlikely, but it did deter them from trying it. Eventually, the tug departed, but a Dutch Navy frigate came alongside.

Mayday!

Radio Veronica, another offshore station which was popular in the Netherlands, were afraid all this drama would lead to the Dutch government shutting them down. Their solution was to pay off RNI with about 100,000 pounds to shut down. That deal lasted for four months and then RNI resumed in both English and Dutch. But that wasn't all the drama in store for RNI.

Have you ever been listening to music and the DJ stops the song to call mayday? Me neither. But that's what hap-

pened on May 15, 1971 if you were listening to RNI. A small boat came alongside Mebo II and threw a bomb which started a fire.

Mebo II was abandoned overnight and required repairs at sea. Three men were arrested in Amsterdam in relation to the bombing, with two subsequent arrests of people associated with Radio Veronica. Apparently, Radio Veronica had paid to force Mebo II out of international waters, where the crew could be arrested or the ship seized by creditors. This led to a year in prison for the perpetrators and also a law preventing the supply of pirate radio ships from the Netherlands.

RNI operated through most of 1974, but finally went off the air for good. The ships were eventually sold to Libya where they continued to broadcast until the 1980s when the Libyan Navy sank them for target practice.

Radio Caroline Today

So was that really the end of pirate radio? Not exactly. Radio Caroline survives today as an Internet stream, and they have dabbled in satellite radio. You can read their version of their history on their web site. In 2017, Radio Caroline went legit with a real AM radio license. If you aren't close enough to pick up



Bradwell-on-Sea with your transistor radio, there's always Radio Garden.

The adjoining photograph shows the MV Ross Revenge, one of radio Caroline's later ships that still serves as a pirate radio museum, broadcast studio, and occasional low power longwave transmitter.

There's also a current website for RNI, al-

SHORTWAVE RECEPTION

My Wellbrook Experience

by Ronald Hunsicker, P.E.

12 May 2019

I purchased a Wellbrook ALA1530LN to complement an existing DX Engineering Active Vertical Antenna (DXE) and a dipole cut for 6955. The dipole, which is so noisy that I no longer use it except to confirm that the DXE is working, was not part of this comparison.

A key element to this comparison was the waterfall display on an Elad FDM-S2. Estimates of noise levels were by eyeball. I hope that any bias that my eyes added was added consistently—regularly wrong can be okay if only differences are important.

I set-up the Wellbrook on a temporarily mount (no rotator, just a bit of plastic pipe attached to a wooden base) to do an A/B comparison between the Wellbrook and the DXE. The bases of both antennas were about a yard off of the ground. I live on a corner lot and the DXE is permanently erected at the least noisy spot on the lot: Near the corner, about 15 feet from each sidewalk, sorta hidden behind a shrub (This to try to avoid wandering fingers, hands, and arms.). This spot is 100 feet

though it looks like it is really just an homage started by Garry Stevens in 2008. As of 2016, the station is now run by Zhang Yong in China. You can listen to it streaming, and apparently in some parts of the world on AM and FM. If you are interested in shipboard broadcast stations, you can find a comprehensive treatment on the Broadcast Fleet website. It even includes legal ships.

from a 13KV power line in a rear alley, about 20 feet from the closest point of the house and a no less than 80 feet from the nearest neighbor. The best that I can do in suburbia.



The Wellbrook was set in four locations: #1) 20 feet from the power line and 25 feet from a kitchen wall, #2) 50 feet from the power line and 10 feet from a kitchen wall, #3)

about 65 feet from the power line and 10 feet from a kitchen wall and #4) about 6 feet from the DXE, but closer to the house. I thought that the Wellbrook would be at a disadvantage because some of the coax used was 10 years old and, though mostly inside, and was likely a bit degraded. All of the Wellbrook feedline was quality RG-8X from The Wireman. At each location I oriented the Wellbrook broadside to the powerline.

Both antennas were connected to an Elad antenna splitter, which allowed switching from one to the other as quickly as I could push one or the other button.

Background Noise

At all the near-the-house locations, the Wellbrook was noisier than the DXE. The first set-up location—#1, 20 feet from the power line—was so noisy that I didn't bother to do other than a cursory comparison before I moved the Wellbrook to the second and then the third locations.

I looked at background noise levels and ignored the signal strengths. The units are Kiloherz and dB; the more "minus," the lower the background noise. At about noon on 8 May:

Frequency*	Wellbrook Back Yard (#2)	Wellbrook Front Yard (#3)**	DX Engineering
15000	- 98	- 110	- 120
10000	- 110	- 112	- 115
7850	- 105	- 115	- 115
6070	- 110	- 112	- 115

*WWV on 5,000 KHz and 20,000 KHz were not received with either antenna

**1300 EDT.

The results at #2 are a small sample, certainly, but were really disappointing.

Wellbrook's instructions recommend 6 meters (20 ft.) from houses and noisy stuff, so I moved the Wellbrook to the front yard at #3.

This third location (#3) was about 65 feet from the power line and the effect was obvious, as is shown in the table. Better, but still not as good as the DXE.

Next, I placed the Wellbrook near the DXE (#4) and compared (1410 EDT):

Frequency	Wellbrook (#4)	DX Engineering (#4)
15000	- 115	- 115
10000	- 115	- 115
7850	- 110	- 110
6070	- 110	- 110

LOCATION! LOCATION! LOCATION!

Well, look at that! Again, a small sample, but they performed similarly.

Wellbrook was serious when they recommended keeping their antennas at least 20 feet from houses and other structures.

Peculiarities

The DXE “sees” some noise that the Wellbrook does not. Since the DXE is a vertical and the Wellbrook is not, this is not surprising.

Small sample again, but, at location #4, the Wellbrook had a slightly better SNR than the DXE. Twenty or so stations on 9, 11, and 15 MHz, and the Wellbrook seemed to have an eyeball 5 dB advantage.

Which Is Better?

In a way, the DXE because there are few concerns with putting it in a very exposed location. Also, the DXE uses easily-obtained (e.g., inexpensive but high quality) 75-ohm cable TV distribution coax with easily attached F connectors rather than RG-8X and BNCs. If I could only have one of the two, I’d buy the DXE.

SHORTWAVE HISTORY

ADRIAN PETERSON’S JOURNAL

The Saipan Shortwave Station under Christian Science and RFA

We pick up once again the story of shortwave station KYOI on the island of Saipan at the time when it was transferred from the commercial company Marcom on Saipan to Christian Science in Boston, Massachusetts. Negotiations between Marcom and Christian Science began in August 1986, and, at the time, Christian Science announced that they intended to install a second 100 kW shortwave transmitter and two additional antenna systems.

What’s Next?

Unfortunately, the Wellbrook is too tempting for those with idle hands to erect in the front yard near grade. Also, a post eight or ten feet tall on the corner with guy wires might interest the Zoning Officer (and would be uglier than even I can tolerate).

The next location will be about 20 feet above grade and three feet above the roof, adjacent to a porch which faces the front yard with minimal amounts of electrical wiring but with a gutter along the edge. Did I mention that the porch roof is metal? All these things are on the Wellbrook things-to-avoid listing.

This “next” location is rather more involved than plopping it in the yard, three feet above grade. Maybe it will be up and running by the Reading NASWA group’s annual June picnic. Or, maybe it will have been up and running and taken down because it doesn’t work well 20 feet in the air, near the house!

The effective date for the transfer from Marcom to Christian Science, Herald Broadcasting, was the last day of the year, December 31, 1986, though Christian Science did not announce this transition until March 15 of the following year (1987). However, a few days before the transfer took place, would you know it, a typhoon swept through the area, though damage to the station was minimal.

Then, a few months later, in October (1987), another typhoon swept through the area, and

this time the damage was sufficient to knock the station off the air. When the station did return to the air, one international monitor stated that the poor audio quality was "shocking".

Initially, programming from the new KYOI under Herald Broadcasting was a continuation of the same programming as before; that is, rock music and information in English and Japanese as produced by the Drake Chenault Company in Los Angeles, California.

Then, in December (1987), Herald Broadcasting announced that a change in format would soon be introduced, a mixture of the original KYOI style, interspersed with Christian Science programming from Boston.

The new style double format was introduced a few weeks later, on January 4 (1988), and the Christian Science programming was fed direct from their studios in Boston, in parallel with the broadcasts from shortwave WCSN in Maine. However, there were difficulties for a while with the satellite feed, and when this was worked out a month later, the entire programming over KYOI on Saipan became a tandem relay in parallel with WCSN.

In May of the following year (1989), there was a reduction in the level of on air programming from KYOI as preliminary work began for the installation of an additional new transmitter and the erection of two additional antenna systems. However, on July 3 of the same year (1989), station KYOI was closed down for an estimated four months so that the work could be completed satisfactorily.

However, as things turned out, that was in fact the last day that the Saipan station was on the air under the old callsign KYOI, Monday, July 3, 1989. Herald Broadcasting announced that when the time came for the station to return to the air with its addition-

al transmitter and antennas, it would be under a new callsign, KHBI, standing for Herald Broadcasting International.

Yes, this Saipan shortwave station did indeed return to the air as planned, and it was reopened again on November 6, 1989, under the proposed new callsign KHBI. The additional new transmitter was the same model as the three year old original transmitter, a 100 kW Continental 418D-2E. The station coverage area was considerably augmented with now the two transmitters and three antenna systems.

Give four more years, and two more typhoons rolled through the Northern Marianas, in the autumn of 1994. In a letter from Engineer Ed Evans, who was Senior Station Manager for the Herald Broadcasting Network at the time, he stated that in spite of the two blasts from the two typhoons, shortwave station KHBI withstood the onslaught particularly well.

The station was off the air for one day only, Ed Evans stated, due to antenna damage. He also said that KHBI provided several antenna parts to enable the other shortwave station on the island, the Christian KFBS, to make a similar quick recovery.

However, change was on the way once again. On September 29, 1996, a newly organized shortwave broadcasting unit of the United States government called Radio Free Asia, RFA, with its headquarters offices and studios in Washington, DC, began a series of broadcasts from station KHBI on Saipan.

Initially, these broadcasts that were beamed to Asia were described as experimental. However, a few months later, in early 1998, this experimental series of broadcasts became a regular and permanent feature, therefore seeming to indicate once again a new direction for this important shortwave station.

Yes, there was indeed a new direction for KHBI. On July 6 of that same year 1998, RFA took over the operation of the station; then Herald Broadcasting announced that they had reached an agreement with RFA for the sale of the station which became effective on August 31 (1998). However, as part of the sales agreement, station KHBI would continue a part-time relay of Christian Science programming.

According to a publication of the British DX Club, Christian Science programming was still on the air over their erstwhile station RFA Saipan, one year later. That date, though, August 31, 1999, turned out to be the final day for the relay of Christian Science programming from the Saipan station, which was now under the ownership of Radio Free Asia.

During the twelve years under Herald Broadcasting, station KYOI-KHBI was a reliable verifier of listener reception reports, though they ever only printed one QSL card. The KHBI QSL card in full color presented a photograph of the KHBI building and an antenna tower.

Blank QSL cards were sent out to listeners by the hundreds. Listeners filled in the usual reception report details and returned the completed cards in an envelope to the station in Saipan. Station personnel then checked the details, rubber stamped it as verified, and posted the self-addressed QSL card back to the listener.

A newly organized radio unit in Washington, DC, Radio Free Asia, RFA, developed an interest in the Saipan radio station for shortwave coverage into several of the countries in Far Eastern Asia. Initially they took out an experimental relay of programming over the Herald Broadcasting station KHBI on the island of Saipan. That was on September 29, 1996.

Experimental RFA transmissions over KHBI gave way to regular scheduling early the

next year (1997). Then, in the middle of the following year (1998), Christian Science in Boston announced that they had reached an agreement with RFA for the sale of the station, and that was ultimately finalized a year later, on August 31, 1999.

At the time of the transfer of ownership from Herald Broadcasting to RFA, Radio Free Asia, plans were already underway for the installation of a third transmitter and a third antenna. The first two transmitters, both at 100 kW, were manufactured by Continental (Model 418D-2), and under Herald Broadcasting they were upgraded to the Model No 418E.

The new Radio Free Asia installed an additional 100 kW Continental which was designated as Model 418F. All three of the antennas are slewable curtains (Model 611) with passive reflectors manufactured and installed by TCI in California.

The electrical power supply for the Saipan radio station comes from the commercial island grid, and any need up to 5 megawatt is available. However, a backup Caterpillar power generator can provide 800 kW during offages of the commercial grid.

Radio Free Asia also indicated that they wished to retain the services of the previous staff who had maintained the operation of the station. In addition, they agreed also to continue the broadcast of Christian Science programming over the station for a period of one year under its new ownership, and ultimately this came to an end one year later.

On April 13, 2000, Radio Free Asia transferred the lease of the land in Saipan upon which the station had been built to IBB, a legal holding body for other American shortwave stations, including the Voice of America. However, the operation of both shortwave stations, Saipan

and Tinian, was sublet to a commercial company, Rome Research Corporation, in 2006.

Up until its destruction by Super typhoon Yutu at the end of October last year (2018), the Saipan shortwave station was operated conjointly with the shortwave station on nearby Tinian Island as the Robert E. Kamosa Transmitting Station. Robert E. Kamosa, after whom the double station was named, had served in the engineering section of the Voice of America. He died from disease in 1999 at the age of only 56.

The combined stations on Tinian and Saipan have been operated as a single unit with the main office at the Saipan station. This total station is operated without callsign, as are all other similar stations, such as VOA and Radio Free Europe.

QSL cards for the broadcast of programming from both Tinian and Saipan have been readily available in times past from both Radio Free Asia and the Voice of America. In fact, Radio Free Asia does not maintain a panel of international radio monitors to provide propagation reports on its shortwave coverage. Instead, they depend entirely upon listener reception reports within their target areas for this collective information.

In an endeavor to encourage widespread listener reception reports, RFA offers a new QSL card for each quarter of the year. And yes, there are indeed some international radio monitors who have collected each of the 69 QSL cards that RFA has so far offered.

As mentioned here in Wavescan previously, the strongest wind storm to ever strike an American territory hit the Northern Mariana Islands on Wednesday, October 24, last year (2018). This massive storm, Typhoon Yutu, with wind gusts up to 219 miles per hour and sustained winds at 180 miles per hour,


was also described as earth's strongest storm during the past year 2018.

As a result of this horrendous impact, the twin Voice of America shortwave stations on both islands, Saipan and Tinian, sustained such massive damage that they were rendered inoperable, for a considerable period of time. In fact, the damage was so great that the entire future of these two huge shortwave stations has been in jeopardy.

However, we now know that on February 22 (2019) one of the Saipan antennas came back on the air for 11 hours daily, carrying RFA Korean for 5 hours and Mandarin for 6 hours. And we understand that engineers are continuing to reconstruct the other Saipan antennas as well as those on Tinian.

At the beginning of this mini-series of topics on the story of the Agagingan Point shortwave station on the island of Saipan, we mentioned that this station had been identified with three or four different callsigns. Yes, and that statement was almost accurate!

The original location for this projected shortwave station had been on the island of Guam, under the callsign KUAM. The concept for the installation of that projected commercial station was then transferred to the island of Saipan, and when it was erected, it was given the callsign KYOI. When it was sold to Christian Science, they changed the callsign to KHBI. The three callsigns that we referred to initially were KUAM, KYOI and KHBI.

And what was the possible fourth callsign that we alluded to? Well, it was not exactly a callsign, it was more of an identification for the station. When the American government bought the station, it was under the ownership of Radio Free Asia, RFA, and it was then frequently identified as RFA Saipan. 

Listener's Notebook

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Times are UTC and frequencies in kHz.

AFGHANISTAN Reception of *Radio Afghanistan* External Service in 49mb on May 3:

1530-1700 on 6100 YAK English/Urdu/Arabic, fair/good

1700-1730 on 6100 YAK Russian-weak, co-ch TWR Africa
(DX Mix-Bulgaria)

ANTARCTICA 15476, 02.04.19, *1425-1950, *LRA36 R. Nacional Arcángel San Gabriel*, Base Esperanza, SS: Song+ID+NA, TK about Malvinas (Falklands) war. Extremely weak. Audible on USB. @ 1500 blocked by China on 15475, It seems to be on air only Tues & Thurs. (Manuel Méndez-Spain/DX Fanzine)

ARMENIA Very good signal of *FEBA Radio* via ENC-DMS Yerevan, May 1:

1600-1630 on 9540 ERV Guragena Mon-Wed
1600-1630 on 9540 ERV Amharic Thu-Sun
1630-1700 on 9540 ERV Amharic Daily
(DX Mix-Bulgaria)

Reception of *Trans World Radio India* via Yerevan on May 4:

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

ASCENSION ISLANDS *Radio Akhbar Mufriha*, May 18:

2145-2215 on 9530 ASC Hassinya Thu-Tue
(DX Mix-Bulgaria)

AUSTRALIA Hopes new *ABC* boss may restore Pacific services. There are hopes that a new managing director, appointed to head the Australian Broadcasting Corporation, will restore the company's commitment to Pacific broadcasting and news coverage. In recent years the ABC has progressively cut back its Pacific services, including ending broadcasts by shortwave. But a group called the Supporters of Australian Broadcasting in Asia and the Pacific hope this will now change. (RNZ Dateline Pacific 10 Mai 2019; via Prof. Dr. Hansjoerg Biener-Germany wwdxc BC-DX TopNews May 10)

5055, *4KZ* short wave, Queensland, Apr. 8 at 0915-1000 in English. SI0252. Pops & CM. ID at 1000. (Nagatani-Japan/Japan Shortwave Club) 5055, 4KZ, 1226-1259*, 1 May. 1st really 'listenable' audio in months: M DJ with canned/live ads & pop (Tracy Chapman, Petula Clark, Elvis Costello)..off mid-song @ 1259. (Dan Sheedy-CA/DX South Florida)

11865, *Reach Beyond Australia*, eQSL in 2 days. E-mail address: radio@reachbeyond.org.au. (Ivan Zelenyi-Russia/DX Fanzine)

AUSTRIA Very good signal of *Oesterreichischer Rundfunk*, May 3:

0500-0620 on 6155 MOS German Mon-Fri
0500-0610 on 6155 MOS German Sat/Sun
(DX Mix-Bulgaria)

Adventist World Radio AWR via ORF Moosbrunn, May 8:

0456-0525 on 11955 MOS Hausa, very good

0603-0700 on 11880 MOS Arabic, very good
0701-0730 on 11880 MOS French, very good
(DX Mix-Bulgaria)

BANGLADESH Reception of *Bangladesh Betar*
in 60mb on May 3:

1745-1900 on 4750 SHV English, fair
1915-2000 on 4750 SHV Bangla, fair
(DX Mix-Bulgaria)

4750, 1840, *Bangladesh Betar* strong signal
w/western pops and EE anncts to s/off 1900
after thanking iTunes for the music, giving
ident and postal address 16/4. Tone test fol-
lows till next broadcast starts around 1915.
(Bryan Clark-New Zealand/New Zealand DX
Times) 4750, Bangladesh Betar, on April 29,
still carrying only the External Service, pre-
empting their Home Service. Is the HS ever
coming back again, or will the External Ser-
vice be here permanently now? Are they
following the example of RRI Palangkaraya
(3325), which seems to have permanent-
ly dropped their local Pro 1 programming
in favor of the Voice of Indonesia? VOI has
been via Palangkaraya since about June of
last year. At 1228, with the BB IS, mixing
with stronger CNR1 also on frequency; 1230
into English till 1300, when the BB test tone
started again. (Ron Howard-CA) 4750, Ban-
gladesh Betar, on May 3, tuned in at 1209,
to only hear CNR1; 1226 start of the BB test
tone; 1228, test tone ended and start of BB IS;
1230, into English, till 1300 test tone again.
This is still the BB External Service and no
trace of VOI/Makassar. (Ron Howard-CA)

BELGUIM *Radio Onda* (NewEntry) E: ondaasbl@
hotmail.com W: www.radioonda.be (French);
ondaasbl.wixsite.com/home/a-radio (Por-
tuguese). Summer Schedule 2019 in French

0000-2400 daily 6030mrt* Key: * F.Pl.
(WRTH Update)

BHUTAN 6035, *BBS*, 1149*, on April 30. At
*1139, the usual sudden start up of PBS Yun-
nan, with FM99 relay, which mostly covered
up BBS, but was still able to hear BBS under-
neath till BBS cut off. As Glenn has reported,
National Unity Radio has again moved back
to 6045 and with it heavy N. Korea jamming.
6035 has what seems to be a jamming spur
from 6045, making reception of both BBS and
FM99 more difficult. (Ron Howard-CA) 6035,
BBS, on May 3, tuned in at 1309 and sur-
prised to hear an announcer underneath the
usual FM99 (PBS Yunnan). Yes, BBS with a
greatly extended schedule today; able to ID
at 1317, with clearly heard unique indigenous
music and cut off at 1317*; as usual bothered
by jamming spur of 6045 (National Unity Ra-
dio). Only wish I had tuned in earlier. (Ron
Howard-CA) 6035, BBS, May 4 - An unusually
good day for BBS (6035), especially consider-
ing the usual FM99 (PBS Yunnan) and the N.
Korea jamming spur QRM; second day with
much longer than normal broadcast; 1114-
1300*. Highlights:: 1114-1200: In English;
mostly pop songs (Led Zeppelin with "Stair-
way To Heaven," etc.), except announcers
1120-1138 and with *1139 start up of FM99
(PBS Yunnan) and at *1145 start up of N. Ko-
rea jamming spur. 1230-1247: Clearly in ver-
nacular with interview. 1247-1300*: Unique
indigenous music/chanting/singing. Still a
challenge to hear BBS. (Ron Howard-CA) 6035,
BBS on May 5 1038-1242*. Sunday again heard
with third day of extended schedule; unusu-
al propagation, as this was probably the ear-
liest that I have been able to hear BBS. High-
lights: 1038-1100: Pop songs. The N. Korean
jamming spur was already on the air here,
causing heavy QRM, which was on during all
of my listening today. 1100-1110: News in
English (unreadable). 1110-1200: DJ in En-
glish playing pop songs (Eagles with "Take
It Easy," etc.) and giving phone number to
request songs. The usual segment 1120-1134
with announcers; the normal *1139 sudden

start up of FM99, via PBS Yunnan. 1200-1216: Monologue in vernacular. 1216-1220: Unique indigenous stringed instrument music. 1220-1242*: The usual Sunday karaoke type program with children calling in and singing over the phone with no music; suddenly cut off. After BBS closed down, only FM99 and jamming heard here. (Ron Howard-CA) 6035, BBS, on May 15, from 1143 till suddenly off at 1151*; pop songs; very decent reception due to FM99 (relayed via PBS Yunnan) again being off the air today and the N. Korea jamming spur had not yet started up. Is wonderful to hear BBS without the usual QRM. (Ron Howard-CA) 6035, BBS, on May 16, from 1114 till suddenly off at 1156*; usual format; YL DJ in English (almost readable) playing pop songs (Calum Scott singing with "You Are The Reason"; very nice to find another day that FM99 (relayed via PBS Yunnan) was still off the air; *1145, start of the N. Korea jamming spur, but BBS was holding up fairly well through the QRM. Today was one of the better days for BBS reception! (Ron Howard-CA)

BOTSWANA A-19 Schedule for IBB BBG *Voice of America* in English:

1130-1200 on 12030-udo 15715-pht 17790-pht (Learning English)
0300-0400 on 4930-bot 5925-bot 6080-bot
0400-0500 on 4930-bot (Sa, Su) 4960-sao
5925-bot 6080-sao 7375-bot (Mo-Fr)
0500-0700 on 4930-bot 6080-sao 15580-bot
1400-1500 on 4930-bot 6080-bot 15580-bot
1500-1600 on 4930-bot 6080-bot 15580-bot
17530-bot (Border Crossings Mo-Fr)
1600-1630 on 4930-bot 5930-bot 15580-bot
1630-1700 on 4930-bot 5930-bot(SaSu)
15580-bot (Sa, Su)
1700-1730 on 5930-sao 13590-wof 15580-bot
(SaSu) 17530-grv
1730-1800 on 5930-sao 13590-wof 15580-bot
17530-grv
1800-1900 on 4930-bot (Sa, Su) 6080-bot

15580-bot 17530-grv
1900-2000 on 4930-bot 6080-bot 15580-bot
2000-2100 on 4930-bot 4960-sao## (Sa, Su)
6195-bot 15580-bot
2100-2200 on 6195-bot 15580-bot
(HFCC.org via Worldwide DX Club)

BRAZIL 6135, *Radio Aparecida*, QSL card from Cassiano Macedo. Report in Portuguese sent to: cassianomac@yahoo.com.br. (Ivan Zelenyi-Russia/DX Fanzine)

BULGARIA Kim Elliott was advised by Space-line "we have some current unresolved scheduling issues with Radiogram. Thus, we will not air today's show, and we have to decide if we can continue in the future." (Dave Kenny-UK observations 20-23 April/British DX Club)

IRRS Radio Warra Wangeelaati via SPL Secret-brod on May 11:

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

CHINA 4850 and 9560, *PBS Xinjiang*, Urumqi, e-QSL received in 3 / 2 days for report sent to yinglian@cri.com.cn. 6080, PBS Hulun Buir, Halair, e-QSL received in 8 days for report sent to yinglian@cri.com.cn. 6110, PBS Xizang, Lhasa, e-QSL received in 1 day for report sent to: yinglian@cri.com.cn. 9520, PBS Nei Menggu, Hohhot, e-QSL received in 1 day for report sent to: yinglian@cri.com.cn. (Rudolf Grimm-Brazil/Worldwide DX Club) Beijing verifying various regional outlets by e-mail. (RAD)

6185, *China Huayi Broadcast Co.* (CHBC) (presumed), on May 2, at 0930 start of program in Chinese; up till 1000, seemed to be some sports reporting, as sound of the crowd heard in the background; some pop songs. Decent signal. Have sent off a reception re-

port to Jonathan Short (Qiao Xiaoli), asking for confirmation. (Ron Howard-CA)

CLANDESTINE New clandestine - **Voice of Eritrean Lowlands** via MBR Issoudun:

1700-1730 on 15390 ISS Arabic Mon/Sat
from April 15
(DX Mix-Bulgaria)

Reception of **Voice of Eritrean Lowlands** via MBR Issoudun, May 20:

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

Voice of Eritrean Lowlands (NEW ENTRY) + c/o Gesellschaft der eritreischen Tiefebene e.V., Rosenheimer Str. 84, D-81669 München, Germany. Summer Schedule Arabic 1700-1730 Mon and Sat 15390iss (WRTH Update)

Radio Ndrason International via ENC-DMS Woofferton, May 15:

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

Dandal Kura Radio International, May 16:

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

Dandal Kura Radio International via MBR Issoudun on May 15:

1800-1900 on 11830 ISS Kanuri, weak/fair signal
(DX Mix-Bulgaria)

Manara Radio International, May 16:

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

Additional evening program of **Manara Radio International**, May 19:

1600-1700 on 15285 ISS Hausa WRMI broker, weak signal
(DX Mix-Bulgaria)

Manara Radio (Rlg) (Re-installed Entry) E: manaratv1@gmail.com W: www.facebook.com/ManaraRadio; www.manaratv.com Summer Schedule 2019 in Hausa

0700-0800 daily 13840iss
1600-1700 daily 15285iss (WRTH Update)
Koode Radio International via MBR Issoudun on May 15:

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

Denge Welat via Grigoriopol & Issoudun, April 29:

0600-1500 on 11530 KCH Kurdish, fair/good
1500-2100 on 11530 ISS Kurdish, very good
(DX Mix-Bulgaria)

Denge Welat via Issoudun & Grigoriopol, April 30:

0230-0500 on 9525 ISS Kurdish, very good
0500-0600 on 11530 ISS Kurdish, very good
0600-1600 on 11530 KCH Kurdish, fair/good
(DX Mix-Bulgaria)

Two clandestine broadcasts in 25mb via RRTM Telecom Tashkent, April 29:

Radio Free North Korea 1200-1300 on 11520 TAC Korean, very good

North Korea Reform Radio 1430-1530 on
11570 TAC Korean, very good
(DX Mix-Bulgaria)

Radio Free North Korea via RRTM Telecom
Tashkent, May 22:

1200-1300 on 11510 TAC Korean, fair to good
signal
(DX Mix-Bulgaria)

Frequency change of **North Korea Reform
Radio** via Tashkent, May 22:

1430-1530 NF 11565 TAC Korean, ex 11570,
fair to good
(DX Mix-Bulgaria)

Two clandestine stations in 41mb via RRTM
Telecom Tashkent, April 29:

Voice of Wilderness 1330-1530 on 7625 TAC
Korean, fair/good

Voice of Martyrs 1530-1600 on 7530 TAC
Korean, fair/good
(DX Mix-Bulgaria)

Frequency change of **Voice of Wilderness** via
Tashkent, May 22:

1330-1530 NF 7615 TAC Korean, weak to fair,
ex 7625
(DX Mix-Bulgaria)

Voice of Oromo Liberation is only in Afan
Oromo, Amharic is deleted:

1700-1730 on 15420 NAU Afan Oromo Fri/
Sun

1700-1800 on 15420 NAU Afan Oromo Wed
(DX Mix-Bulgaria)

Reception of **Voice of Oromo Liberation** via
MBR Nauen, May 19:

1700-1730 on 15420 NAU Oromo Fri/Sun, fair
signal
(DX Mix-Bulgaria)

Reception of **Radio Sinit Eritrea** via MBR Is-
soudun on May 18:

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

Reception of **FPU Radio Tamazuj** and **Radio
Dabanga** on May 23:

Radio Tamazuj

1459-1528 on 15150 MDC Juba Arabic, very
good

1459-1528 on 15400 ISS Juba Arabic, fair/
good

Radio Dabanga

1528-1557 on 13745 ISS Juba Arabic, very good

1528-1557 on 15550 SMG Juba Arabic, fair/
good

(DX Mix-Bulgaria)

Reception of **Radio ERGO** via ENC-DMS Dha-
bayya, May 1:

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

From May 1-3 no signal of **Manara Radio Int**
via TDF Issoudun:

0700-0800 on 13840 ISS Hausa via WRMI
broker
(DX Mix-Bulgaria)

Very good signal of **Eye Radio** via TDF Issoudun on April 29:

1600&1616 on 15410 ISS Juba Arabic/English Mon-Fri
(DX Mix-Bulgaria)

From May 1 **Eye Radio** via MGB S.A. leave shortwave:

0400-0500 on 7340 SMG Juba Arabic* Mon-Fri

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

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

A19 schedule for **Radio Ranginkaman** (Radio Rainbow) LGBT broadcast to Iran:

1730-1800 on 7580-kch in Farsi to Middle East. (Logged by Will Grocott on 21 April/British DX Club)

Reception of **Radio ERGO** via ENC-DMS Al-Dhabayya, May 8:

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

Frequency changes of **JSR Shiokaze Sea Breeze** from May 8:

1300-1400 NF 5980 YAM, ex 5920 & 2nd freq same time NF 6040 YAM, ex 6070 (DX Mix-Bulgaria)

Frequency change of **Furusato no Kaze** via Shiokaze Sea Breeze from May 8:

1405-1435 NF 5920 YAM Japanese Daily, ex 5980

1405-1435 NF 6165 YAM Japanese Daily, ex 6090

(DX Mix-Bulgaria)

Reception of **Radio Sinit Eritrea** RSE via MBR Issoudun on May 11:

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

Frequency change of **Radio Free North Korea** via Tashkent from May 18:

1200-1300 NF 11510 TAC Korean, fair/good signal, ex 11520

(DX Mix-Bulgaria)

CONGO (DEM REP.) 6210.2, May 18, -1805*, **Radio Kahuzi**, Bukavu, religious songs, vernacular, comments. Extremely weak, only audible on LSB. (Méndez-Spain/Shortwave Bulletin)

ENGLAND Radio Akhbar Mufriha via Woofferton, May 18:

2100-2115 on 7300 WOF Tachelhit Daily

2115-2145 on 7300 WOF Arabic & dialects (DX Mix-Bulgaria)

Frequency change of **KBS World Radio** via Woofferton:

1900-2000 NF 6120 WOF French, ex 6145 (DX Mix-Bulgaria)

EQUATORIAL GUINEA 5005, 24.04.19, *0520-0605, **R. Nacional de Guinea Ecuatorial**, Bata, SS: Opens with songs, PX "Panorama Nacional", "Boletin Informativo. 15321 again 28.04.19, *0504-0535, R. Nacional de Guinea Ecuatorial, Bata, SS: Opens with Afrops and Afro songs. 15321. (Manuel Méndez-Spain/DX Fanzine)

ESWATINI Reception of **Trans World Radio Africa** in 31mb/25mb/22mb on May 21:

1500-1530 on 9500 MAN Somali Daily, fair/
good signal
1530-1545 on 11820 MAN Juba Arabic Mon-
Fri, very good
1557-1627 on 13580 MAN Kirundi Mon-Fri,
strong signal
(DX Mix-Bulgaria)

FINLAND A-19 frequency changes of **Scandi-
navian Weekend Radio**:

2100-2200 NF 5980 VIR Finnish, ex 6170
2200-2300 NF 11720 VIR Finnish, ex 11690
0500-0800 NF 6170 VIR Finnish, ex 5980
0700-0800 NF 11690 VIR Finnish, ex 11720
0800-0900 NF 11690 VIR Finnish, ex 11720
1100-1300 NF 5980 VIR Finnish, ex 6170
1100-1300 NF 11690 VIR Finnish, ex 11720
1400-1800 NF 6170 VIR Finnish, ex 5980
1600-1800 NF 11690 VIR Finnish, ex 11720
1800-2100 NF 11720 VIR Finnish, ex 11690

On May 3-4 no show and the next show will
be on June 7-8 Monthly broadcast 1st Sat-
urday 0000-2400 Finnish time or from 2100
Friday to 2100 Saturday. (DX Mix-Bulgaria)

FRANCE Radio Taiwan International via TDF
Issoudun on April 28:

1900-2000 on 13835 ISS French Sun, very good
(DX Mix-Bulgaria)

Sawtu Linjilia / Voice of Gospel via MBR Is-
soudun on May 23:

1830-1900 on 15315 ISS Fulfulde Mon-Thu,
fair/good
(DX Mix-Bulgaria)

Reception of **Alameda Bible Fellowship** via
TDF Issoudun, May 20:

1700-1730 on 13660 ISS English Mon/Wed/
Fri, very good (DX Mix-Bulgaria) Website is

searchinghisword.com. Email is oneaccordon-
emouth@gmail.com. (TopNews) Confirmed
in English on Fri 26 April at 1930-2000 on
11860 with Bible readings. (Dave Kenny-UK/
British DX Club)

Radio France International in Mandingo/
Fulfulde on 22mb, May 5:

1200-1230 on 13720 ISS Mandingo - Daily, good
1300-1330 on 13720 ISS Fulfulde Sat/Sun, weak
1700-1730 on 13720 ISS Mandingo Sat/Sun, fair
1730-1800 on 13720 ISS Fulfulde Sat/Sun, fair
(DX Mix-Bulgaria)

Reception of **KBS World** Radio via TDF Issou-
dun, May 21:

2000-2100 on 5950 ISS French, very good
(DX Mix-Bulgaria)

TDA **Telediffusion d'Algerie** via TDF Issoudun
on May 23:

1800-1859 on 13820 ISS Arabic Holy Quran px*
1900-1959 on 11985 ISS Arabic Holy Quran px*
1900-1959 on 12060 ISS Arabic Holy Quran px*
2000-2059 on 9510 ISS Arabic Holy Quran px
2000-2059 on 9655 ISS Arabic Holy Quran px
2100-2159 on 5930 ISS Arabic Holy Quran px
2100-2159 on 9655 ISS Arabic Holy Quran px
2200-2259 on 5930 ISS Arabic Holy Quran px*
*xx03-xx13 news in French (DX Mix-Bulgaria)

GERMANY Updated summer A-19 schedule via
Kall on 6085/7310 kHz effective May 1:

0700-1700 on 6085 KLL Ger/Eng Daily **Radio
MiAmigo Int**

1000-1400 on 7310 KLL Ger/Eng Sat/Sun
Radio MiAmigo Int
(DX Mix-Bulgaria)

Updated summer A-19 schedule of **Shortwave Radio for Europe** from May 1:

1600-2200 on 3975 WIS English Daily, ex
0700-2200

1600-2200 on 6160 WIS English Daily, ex
0700-1800

In case you are missing our morning or afternoon transmissions on 3975 & 6160, please send an email. Propagation conditions prevent us to be audible in UK. and Eire during daytime, but we might change schedule again (shortwaveradio.de). (DX Mix-Bulgaria)

Frequency change of **The Mighty KBC Radio** eff. from May 5:

0000-0200 NF 9925 NAU English Sun, ex.
5960

Will be back 5960 NAU English Sun from
Sept. 1
(DX Mix-Bulgaria)

Reception of **Pan American Broadcasting** via
MBR Nauen, May 5:

1430-1445 on 15205 NAU English Sun, fair to
good
(DX Mix-Bulgaria)

Reception of **HCJB Voice of The Andes** via
MBR Nauen, May 11:

1529-1629 on 13800 NAU Russian/Chechen
Sat, good
(DX Mix-Bulgaria)

Reception of DWD **Deutscher Wetterdienst** in
49mb on May 18:

2000-2030 on 5905 PIN German AM mode,
fair

2000-2030 on 6180 PIN German AM mode,
weak
(DX Mix-Bulgaria)

6005, **DP07 Seefunk** via Kall. Weather forecast in German. Full data colour QSL Card "Navigare Necesses Est". Received in 6 days (1 days for mail delivery) for postal report to DP07 Seefunk, Estedeich 84, 21129 Hamburg. Two German post stamps for 70 cents were enclosed in the letter. (Hansjoerg Bie-ner-Germany/Worldwide DX Club)

GUAM Reception of **KTWR Trans World Radio Asia** in 31/41mb, May 4:

1230-1300 on 9910 TWR English Sat, fair
1318-1346 on 7510 TWR English Sat, weak
(DX Mix-Bulgaria)

GUINEA 9650, 1855, Conakry initially fair in FF w/talk, time check and ident on the hour as "Dix-neuf heure G.M.T, ...la **Radiodiffusion National de la Republique du Guinee**". Then strong Chinese on 9655 spoiled reception 9/4. (Bryan Clark-New Zealand/New Zealand DX Times)

INDIA The SW transmitter of **AIR Thiruvanthapuram** has not been heard for some weeks now on SW 5010 & 7290. I contacted the station & was told that maintenance work is going on and that they will be back on air shortly with better signals than before. (Jose Jacob, DX_India 9 April/British DX Club)

AIR Thiruvanthapuram is noted back on 5010 with better signals from yesterday, after maintenance break of some weeks. 7290 which is used during daytime is not heard this morning. The schedule is:

5010 0020-0205 1130-1745

7290 0230-0932 (Sat, Sun 1030).

(Jose Jacob -India VU2JOS, <www.qsl.net/vu2jos>; hcdx May 8)

INDONESIA 3325, **Voice of Indonesia**, via RRI Palangkaraya, on May 3, at 1204 & 1320, had

a Carrier (no audio); back here after being absent yesterday. (Ron Howard-CA) 3325 VOI in English via RRI Palangkaraya. Observations today (May 14). Today heard with audio at a decent level, from the Voice of Indonesia. A few highlights: *1102: Suddenly on. 1300-1308: Into segment in English; intro ID and then the news (item about Disaster Risk Reduction conference [May 13-17] being held in Geneva, item about ASEAN, item about moving the capital away from Jakarta, etc.). My audio of today's ASEAN news story, followed by clear ID. 1308-1312: "Commentary." 1312-1316: "Today in History" (this date in 1948, independent state of Israel was proclaimed, etc.). Nice to hear VOI back to a fairly readable level again! (Ron Howard-CA) 3325, Voice of Indonesia, via RRI Palangkaraya, on May 15, from 1302+, in English; slightly better than yesterdays reception; same format; 1312, "Commentary" about USA/Russian relations; 1315, "Today in History" (this date in 1972, Okinawa returned to Japan, etc.); my sunrise today was at 1300. Ramadan - Recently checking the various RRI sites (Ternate, Wamena, Merauke, etc.), but found nothing reactivated. (Ron Howard-CA) 3325, Voice of Indonesia, via RRI Palangkaraya, on May 16, at 1025, nothing heard here (no NBC Bougainville) and no VOI carrier; at *1053, VOI carrier came on, but no audio today; still no audio being heard through 1215. So was fortunate that I had two days of decent reception, with readable audio. (Ron Howard-CA)

4750 (Makassar), **VoI** has been noted via Jakarta KSDR only with signal S10 or -69 to -63db. On 1/5 on 2130 with ID in the clear with English program. On 2/5, 1815 German program, mixed with Bangladesh English (as logged next via Vietnam KSDR in the clear without any QRM from VoI). (Zacharias Liangas-Greece/PlayDX) 4749.943, thanks to Mauro, checking for VOI/Makassar being reported here, but not heard during May 3, checking

1209+. (Ron Howard-CA) 4750, it seems, that the Voice of Indonesia (VOI) only appears on the Kiwi SDR receiver in Jakarta. Maybe the radio amateur SWL0133, who owns this Kiwi SDR receiver, has some personal relations to the VOI, or want to make the VOI international broadcasts better known??? I have also identified a Dutch language broadcast from VOI - the language of the former colony power of Indonesia. Let me hear, if you hear VOI on 4750 on your own receiver. Here in Denmark only Bangladesh Betar is audible on that frequency. Indeed, a very strange case! (Anker Petersen-Denmark)

IRAN Reception of **VIRI IRIB PARS TODAY** in 22mb and 32mb, May 1:

0830-1427 on 13590 ZAH Arabic, very good
1430-1727 on 9280 ZAH Arabic, very good
(DX Mix-Bulgaria)

11660, 0249, **VoIRI** in SS to Europe - fair to good sig with axmnts of freqs. Off at 0252. 15/4. (Stu Forsyth -New Zealand/New Zealand DX Times)

JAPAN 6055, **Radio Nikkei**, F/D QSL card in 95 days. E-mail address: webmaster@radionikkei.jp. (Jürgen Waga-Germany/DX Fanzine)

9750, **NHK World Radio Japan**, QSL card in 44 days. Report was sent via form on station website. (Ivan Zelenyi-Russia/DX Fanzine)

KOREA (SOUTH) Reception of **KBS World Radio** in English on May 2:

2200-2300 on 11810 KIM English, good
(DX Mix-Bulgaria)

4885, **Echo of Hope** - VOH, 1240, on May 15 (Wednesday). Very good reception of the podcast program "Easy English," which was in English and Korean; announced as a "Friday" show. (Ron Howard-CA)

5920, **Voice of Freedom**, 1010, on May 2. Start of program in Korean after the news; 1015 into another program; as usual was jammed by N. Korea, but VOF's signal was cutting through the QRM fairly well. (Ron Howard-CA)

9580, **KBS World Radio**, Apr. 11 at 0210-0300 in Japanese. SI0555. "The Yoons' 100 Years"; The 100th anniversary of the Establishment of the Provisional Government of Korea. (Imahashi-Japan/Japan Shortwave Club)

Reception of **KBS World Radio** in English on April 30:

1800-2100 on 9785 KIM English, fair/good (DX Mix-Bulgaria)

KUWAIT MOI Radio Kuwait in English on two frequencies in // in 19mb, May 1:

0500-0800 on 15529.8 KBD English, as scheduled A-19

0500-0900 on 15515.0 KBD English, instead Arabic GS (DX Mix-Bulgaria)

MOI Radio Kuwait in English on two frequencies in // in 19mb, May 7:

0500-0800 on 15529.8 KBD English, as scheduled A-19

0500-0800 on 15515.0 KBD English, instead Arabic GS

0800-0900 on 15515.0 KBD Persian, instead Arabic GS (DX Mix-Bulgaria)

Frequency change of **Radio Ashna** via Kuwait, May 7:

1430-1500 NF 11575 KWT Pashto, ex 13730

1500-1630 NF 11575 KWT Dari, ex 13730

1630-1730 NF 11575 KWT Pashto, ex 13730 (DX Mix-Bulgaria)

Very good signal of **MOI Radio Kuwait** in 16mb on May 18:

2000-2400 on 17550 KBD Arabic Gen. Sce (DX Mix-Bulgaria)

Reception of **MOI Radio Kuwait** in AM mode/DRM mode on May 21:

1600-1800 on 15540.0 KBD Urdu AM mode - good

1800-2100 on 15539.8 KBD Gen. Sce DRM, instead

1800-2100 on 15539.8 KBD English DRM (DX Mix-Bulgaria)

KYRGYZSTAN Birinchi Radio (translated means "First Radio") relays BBC World Service in English on 4010 kHz & MW 612 as follows: BBC Sport News 1000-1004 Sat & Sun; 1005-1009 Mon-Fri; BBC News at 1500-1506 Sat & Sun, 1600-1606 Mon-Fri.

Radio Sedaye Zindagi operating by Pamir Ministries via Bishkek on 5130 was confirmed on 01 April at *1550-1757* and on 12 April at *1445-1755*. Three quarters of their prgrs are in Dari & quarter are in Pashto. They are on the air only Mon-Fri and only in first half of the month. The official name is Sedaye Zindagi (=Sound of Life) but in Farsi "sedaye" means "voice". (Rumen Pankov-Bulgaria/British DX Club)

MALAYSIA 11665, 0352, **Wai FM** poor but improving signal w/soft vocals, ident 0358, time signals & news on the hour 18/4. (League SDR had better signal). (Bryan Clark-New Zealand/New Zealand DX Times) 11665, Wai-FM (via RTM-Kajang). 1240-1320+ 30 April. Doing fairly well this morning with usual ML pop, lively DJ, big production jingles..apparently not running "Wai FM-Limbang" programme (as heard last year) on Mondays 1315-1400. (Dan Sheedy-CA/DX South Florida)

MALI *China Radio International* via Bama-ko, May 3:

2000-2127 on 11640 BKO English
2000-2127 on 13630 BKO English
2130-2227 on 11975 BKO French
2130-2227 on 13630 BKO French
(DX Mix-Bulgaria)

CRI with reduced schedule via Bamako relay 2000-2400 in English/French/Chinese May 6, all other are off:

2000-2127 on 11640 BKO English
2000-2127 on 13630 BKO English
2130-2227 on 11975 BKO French
2130-2227 on 13630 BKO French
2230-2257 on 11975 BKO Chinese relay CNR-1
2230-2257 on 15505 BKO Chinese relay CNR-1
2300-2357 on 7295 BKO Chinese
2300-2357 on 11975 BKO Chinese
(DX Mix-Bulgaria)

China Radio International via Bamako, May 17:

1400-1557 on 13685 English
1400-1557 on 17630 English
1600-1657 on 15125 Arabic
1600-1657 on 17880 Arabic
1700-1757 on 13645 Swahili
1700-1757 on 15125 Swahili
1800-1827 on 11640 Hausa
1800-1827 on 13645 Hausa
1830-1927 on 11640 Arabic
1830-1927 on 13685 Arabic
1930-1957 on 11640 Portuguese
1930-1957 on 13630 Portuguese
2000-2127 on 11640 English
2000-2127 on 13630 English
2130-2227 on 11975 French
2130-2227 on 13630 French
(DX Mix-Bulgaria)

5995, 0550, Bamako reactivated, noted w/ Afro beat, instrumental theme & FF anncts to

the hour. Initially poor but re-tuned at 0712 to find improved signal, news in FF, ident for 'Radio Nationale'. 8/4. (Bryan Clark-New Zealand/New Zealand DX Times)

MOLDOVA 9940, ***TWR Africa*** via Grogoriopol, e-QSL received in 2 days for report sent to: lstavrop@twr.org. (Rudolf Grimm-Brazil/Worldwide DX Club)

MYANMAR 5985, ***Myanmar Radio***, on May 1 (Wednesday). Random listening 1120-1333. Highlights: 1120 - Just missed their start up (normally starting closer to 1130); noted // 9730 (which normally signs off about 1130, but that was not confirmed today). 1130 - The usual station's song ("kilohertz ... kilohertz ... kilohertz ... kilohertz ... Radio") and indigenous theme music. 1320 - "Learning English with BBC, Burmese"; fairly readable. Frankly this series of language lessons is boring! Formerly Myanmar carried "Say It In English" series about the light hearted misadventures of "Tom," that made for some enjoyable listening, but not so with the BBC series. (Ron Howard-CA)

NETHERLANDS The next shortwave broadcast from ***Studio 52*** will be as follows:

13 July 2019 at 1200-1400 on 5955 with 125 KW for W Europe

Studio 52 is "a network of small hobby-radio stations in the Netherlands and Germany. We send our program from the Netherlands via our stream and sometimes via a shortwave-transmitter." Broadcasts will likely be in Dutch and/or German. (Studio 52 web site via Alan Roe/British DX Club)

7700, ***Free Radio Service Holland***. English Oldies programme/Dutch DJ. Full data colour QSL Card (DINA5) "FRS through the years", sticker, general letter concerning the 31

March transmission, personal letter, 30 days (letter sent through Deutsche Post 1.45 Euro stamp) for mail report to FRSB, P. O. Box 2702, 6049 ZG Herten. The Netherlands, with 3 US\$ enclosed as requested (Hansjoerg Bie-ner-Germany/Worldwide DX Club)

NEW ZEALAND Some changes of *Radio New Zealand Pacific* in English, AM mode:

0459-0558 on 9700 RAN, ex 0459-0658*
0559-0958 on 5945 RAN Mon-Fri, ex 0659-0958

0559-1258 on 5945 RAN Sat/Sun, ex 0659-1258

1859-1958 on 9700 RAN Sat, additional prgr
1959-2258 on 11725 Sat, additional prgr
(DX Mix-Bulgaria)

Frequency change of *Radio New Zealand* in AM mode from May 17:

1259-1650 NF 6170 English Daily, ex 5980
1259-1858 NF 6170 English Sat, ex 5980
(DX Mix-Bulgaria)

Radio New Zealand Pacific in AM mode on May 18:

1259-1858 on 6170 RAN English
1859-2058 on 9700 RAN English
2059-2258 on 11725 RAN English
(DX Mix-Bulgaria)

Good signal of *Radio New Zealand Pacific* on May 2:

0459-0658 on 9700 RAN All Pacific English
(DX Mix-Bulgaria)

NIGERIA Reception of *Voice of Nigeria* in DRM mode on May 17:

1630-1830 on 15119.9 AJA English DRM
(DX Mix-Bulgaria)

9690, **V. O. Nigeria**. Apr. 5 at 2045-2057* (S/off) in Hausa. SI0252. Talk by two men. ID at 2056, then IS. (Nagatani-Japan/Japan Short-wave Club)

OMAN Radio Sultanate of Oman is on new 9620 (ex 15140) with English at 1400-1500, followed by Arabic from 1500-2200. English is not so easy to hear now on the lower frequency. First reported by Ivo Ivanov, confirmed by monitoring observations. (Dave Kenny-UK - 20 April/British DX Club)

7205, **BBC** via Oman. Apr. 7 at 2200-2230 in English. SI0353. World news, followed by Newsroom at 2206 & news at 2230. (Shimada-Japan/Japan Shortwave Club)

9620, *Radio Sultanate of Oman*, Muscat, at 1408-1420 on April 24, open at about 1408 UT with pop songs in English, song in Spanish, id. "Radio Sultanate of Oman, FM" "Your Nation Station across the country". Most days out of air at this hour and only heard India. Slight QRM from All India Radio on the same frequency. 33433. (Manuel Mendez-Spain, hcdx April 24/TopNews)

PAPUA NEW GUINEA 3260, **NBC Madang**, (Maus Blong Garamut - Voice of Indigenous Drums), 1156-1207*, on April 27. Pop songs (John Denver singing "Country Roads," etc.) till suddenly cut off mid-song; as with NBC Bougainville today, well above normal reception. April 28, noted Madang with 1204* cut off, after religious (Christian) songs in English (song "You Raise Me Up," etc.). (Ron Howard-CA) 3260, NBC Madang, (Maus Blong Garamut - Voice of Indigenous Drums), 1143-1210*, April 29 (Monday). In Pidgin; playing pop songs; 1201, the usual PNG bird call before the start of the news in English (unreadable); suddenly cut off, which varies on a daily basis, so not on a timer as it was years ago. On the weekend there is no 1200 news.

(Ron Howard-CA) 3260, NBC Madang, (Maus Blong Garamut - Voice of Indigenous Drums), 1152-1210*, on May 15. Mostly pop Pacific Islands songs, except for surprising religious (Christian) spot by an excited preacher in English; reception well above the norm. Madang is now running some commercial announcements. (Ron Howard-CA)

7325, **Wantok Radio Light** (presumed), on April 28, at 0955. Heard only a carrier, far below threshold level; this was pre-QRM from China. Must still be very low power! (Ron Howard-CA) 7325, 0952, Wantok Radio Light reactivated 8/4 but only weak signal. Hymns including 'How Great Thou Art'. Totally obliterated at 0955 Very weak carrier trace noted 1930 9/4 but unsure if this is them. Not heard since. (Bryan Clark-New Zealand/New Zealand DX Times) DXers in the region have confirmed Wantok back on 7325 but with a weaker signal than previously. (British DX Club)

PAPUA NEW GUINEA (BOUGAINVILLE) 3325, **NBC Bougainville** (Maus Blong Sankamap - Voice of the Sunrise), on April 27, with better than normal reception; 1008-1025 (first listening session); animated political speech in Pidgin with some sentences in English ("Bougainville and Papua New Guinea are members of a wider community. Members of all global society," "economy of Bougainville," etc.); 1118-1154* (second session); discussion in English about women's issues in Bougainville ("We need to do better," "Learn from other countries," etc.); 1130, DJ in Pidgin with pop Pacific Islands songs; suddenly cut off. April 28 (Sunday), at 1011, with the usual religious (Christian) programs; mostly songs in English; re-checked at 1103, found them already off the air (so a very early cut off time today!); 1103+, VOI carrier again heard with no audio at all. (Ron Howard-CA) 3325, NBC Bougainville, 1027+, on April 29, found NBC off the air. Later heard the VOI carrier, with

yet another day of no audio. April 30, from 0934+, again no NBC Bougainville on the air today. (Ron Howard-CA) May 2 - Yet another day that NBC Bougainville has been off the air during random checking 0902 till 1210. What was interesting today was the fact that the Voice of Indonesia carrier was also off the air. So 3325 had no station at all there today; completely clear frequency. We can only hope that maybe Palangkaraya is working today to correct the long standing problem of no audio. (Ron Howard-CA) 3325, NBC Bougainville, still silent through May 15, checking from 1024+. This has been rather a long time for them to be off the air! (Ron Howard-CA)

PERU 4930, May 19, 0034, UNID station, probably from Peru, heard last night (May 19) between 0034 - 0139 (suddenly closed down), hidden at the very side of a strong utility station. Still trying to find out what it could be. Its modulation was distorted and at the 0139 c/d the carrier remained on the air. Heard in the middle of Europe. While studying my recording I found the following details of this UNID Spanish speaking station on 4930: The station announces 4930. Time is UTC -5h. ID/slogan sounds like this: "Radio Durantina Ticoni - onda corta tropical" = it sounds like this to my ears). The modulation is distorted (quickly oscillating carrier within a few Hz?). Is it perhaps one of the two "Future Plan" stations in Cusco in the 60mb (4780 + 4800) acc. to WRTH? In Cusco there was Radio San Miguel on 4930 in the past (2008). (Karel Honzic via RealDX/Shortwave Bulletin)

4940, May 14, -2305*, **Radio San Antonio** was active last night. Heard until 2305 s/off. (Karel Honzic via RealDX/Shortwave Bulletin)

PHILIPPINES Very good signal of **FEBC Radio** on 25mb, May 8:

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

Good signal of **FEBC/R. Teos** in Ukrainian/Russian, May 12:

1530-1600 on 9920 BOC Ukrainian/Russian Sun (DX Mix-Bulgaria)

Reception of **Radio Pilipinas PBS** in 25/19mb on May 19:

1730-1930 on 9910 PHT Filipino, not on air
1730-1930 on 12120 PHT Filipino-good signal
1730-1930 on 15190 PHT Filipino-good signal (DX Mix-Bulgaria)

9920, **FEBC Russia Radio Teos** via Bocaue, eQSL in 3 days. Report was sent norie.estabillo@febc.ph. (Ivan Zelenyi-Russia/DX Fanzine)

9925, **PBS Radyo Pilipinas**, F/D QSL card, Sticker, Broadcast schedule in 410 days (19 days after F/UP sent on 20 March, the letter was sent on 19 March). E-mail: dzrp.radyo-pilipinas@gmail.com. (Antonello Napolitano-Italy/DX Fanzine)

Radio Veritas Asia ‡ (Rlg) Key: ‡ Broadcasts on SW have stopped. (WRTH Update)

PIRATE (EURO) Charleston Radio International is heard most days on 5140, scheduled 1700-2200 according to their Facebook page (21 April). "Playing Original 78 rpm records of the 1920's 30's 40's.. Charleston, Tango, Foxtrot, Swing, Rhumba, Samba, Mambo, Cha cha cha." Switches to the next free frequency if 5140 is busy (e.g. 5135, 5145, 5150) but return to 5140 when free. The contact email is charlestonradiointernational@yahoo.com. (Station Facebook page/British DX Club)

Fair signal of **Reflection Europe**, May 12:

1945&2101 on 6295 unknown secret tx English (DX Mix-Bulgaria)

POLAND SPW Radio Warszawa ‡ (New Station) E: stowarzyszenie@radiostacjababice.org W: trcn.pl; www.facebook.com/radiostacjababice Summer Schedule 2019 in Polish

0800-1100 daily 7430wwa‡

0800-1430 daily 7415wwa‡

Key: ‡ Planned SW heritage project (registered freqs/schedules shown; exact tx site tbc). (WRTH Update)

ROMANIA Frequency changes of **Radio Romania International** in AM/DRM:

1900-1956 NF 9610 TIG Spanish AM, ex 13810

2100-2156 NF 9610 TIG Spanish DRM, x 11650

2100-2156 NF 11650 TIG Spanish AM, ex 13810

(DX Mix-Bulgaria)

Another frequency change of **Radio Romania International**:

0000-0156 NF 5980*GAL Romanian, ex 9790

* ch-ch same 5980 GB Sp Tu-Sa TV Marti

NOTE: 5980 RRI & 5980 TV Marti are unregistered in HFCC Database! (DX Mix-Bulgaria)

RUSSIA Good signal of **GTRK Adygeya/Adygeyan Radio**, May 20:

1800-1900 on 6000 ARM Ad/Ar/Tu Mon

1800-1900 on 6000 ARM Adygeyan Fri

(DX Mix-Bulgaria)

Good signal of **GTRK Adygeya/Adygeyan Radio**, May 20:

1900-2000 on 6000 ARM Adygeyan Sun
(DX Mix-Bulgaria)

Additional three test frequencies, registered
in HFCC Database on May 8:

2000-1000 on 11630 K/A Russian **Voice of
Russia**-no signal

2000-1000 on 12025 K/A Russian **Voice of
Russia**-no signal

2000-1000 on 15735 K/A Russian **Voice of
Russia**-no signal
(DX Mix-Bulgaria)

SAUDI ARABIA Updated A-19 schedules of
BSKSA via ND antennas in Riyadh:

0300-0700 on 11745 Arabic BSKSA Al-Azm
Radio

0300-2300 on 11860 Arabic Rep. of Yemen
Radio

0600-1200 on 13780 Arabic BSKSA General
Scce

0900-1500 on 9650 Arabic BSKSA General Scce

0900-2300 on 11745 Arabic BSKSA Al-Azm
Radio

1200-1400 on 13785 Arabic BSKSA General
Scce

1400-1500 on 9790 Arabic BSKSA General Scce

1500-1700 on 9650 Arabic BSKSA Call of
Islam

1500-1700 on 9790 Arabic BSKSA Call of
Islam

1700-1800 on 9790 Arabic BSKSA General
Scce

1700-2100 on 9650 Arabic BSKSA General
Scce

1800-2300 on 7425 Arabic BSKSA General
Scce

2300-0600 on 7410 Arabic BSKSA Holy
Qur'an

(DX Mix-Bulgaria)

SINGAPORE Reception of **BBC WS** via ENC-
DMS Kranji in DRM, May 5:

0800-0900 on 15620 SNG English DRM mode
(DX Mix-Bulgaria)

**SRI LANKA Sri Lanka Broadcasting Corpora-
tion** in 31mb, updated:

1115-1200 on 9720 TRM Hindi
(DX Mix-Bulgaria)

9720, **Sri Lanka Broadcasting Corporation**.
Apr. 7 at *1114 (IS)-1135 in Hindi. SI0333. ID
at 1115, then local songs. Time pips at 1130,
talk followed. (Nagatani-Japan/Japan Short-
wave Club)

SUDAN 7205, 1908, **Radio Omdurman** (pre-
sumed) strong w/news in AA, frequent men-
tions of Sudan 19/4. (Bryan Clark-New Zea-
land/New Zealand DX Times) 7205, May 18,
1635, Voice of Africa, Sudan Radio, Al Ai-
tahab, French, ID "La Voix de l'Afrique", com-
ments, at 1715 English, ID "This is the Voice
of Africa", news, comments, African song,
ID "The Voice of Africa, from Radio Sudan".
(Méndez-Spain/Shortwave Bulletin)

TAIWAN Summer A-19 frequency change of
Radio Taiwan International:

1100-1200 NF 9425 PAO Vietnamese, ex
15350

(DX Mix-Bulgaria)

Suab Xaa Moo Zoo/Voice of Hope via Tam-
shui, May 18:

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

THAILAND 15590, **R. Thailand**. Apr. 8 at
0000-0100 in English. SI0454. National news,
followed by Global news at 0015, Business

news at 0022 & Special report at 0034. (Shimada-Japan/Japan Shortwave Club)

USA WBCQ-3. The Planet testing 9330/7490 with 50/135 kW. Bringing the monster up slowly. Antenna is good. Transmission line good. All systems go for more power up to 500 kW via new amazing equipment of CEC transmitter of WLC World Last Chance. Here summer A-19 schedule on 9330 according to HFCC Database:

0000-0100 on 9330 Spanish
0100-0200 on 9330 Portuguese
0200-0300 on 9330 Arabic
0300-0400 on 9330 Hindi
0400-0500 on 9330 Arabic
0500-0600 on 9330 Hindi
0600-0700 on 9330 Portuguese
0700-0800 on 9330 Chinese
0800-0900 on 9330 Korean
0900-1000 on 9330 Indonesian
1000-1100 on 9330 Chinese
1100-1200 on 9330 Korean
1200-1300 on 9330 English
1300-1400 on 9330 Spanish
1400-1500 on 9330 English
1500-1600 on 9330 French
1600-1700 on 9330 Indonesian
1700-1800 on 9330 English
1800-1900 on 9330 German
1900-2000 on 9330 English
2000-2100 on 9330 Spanish
2100-2200 on 9330 German
2200-2300 on 9330 English
2300-2400 on 9330 French
(DX Mix-Bulgaria)

Radio Marti A19 schedule (all broadcasts transmitted from Greenville, North Carolina):

0000-0300 5980#* 6030 7335 7365
0300-0500 6030 7335 7435
0500-0700 6030 7335 7365
0700-1000 5980 6030

1000-1200 6030 7335 9805
1200-1300 7335 7365 9805
1300-1400 7335 7365 13605
1400-2000 11860* 11930 13605
2000-2200 9565 11860* 11930
2200-2300 5980#* 9565 11930
2300-2400 5980#* 7335 9565 11930
*=Mon-Fri#=TVMarti, not parallel on other freqs. (Bulgarian DX Blog 26 Apr/British DX Club)

Very good signal of **World Harvest Radio International** Angel 1, May 4:

2200-2400 on 11750 HRI English Sat/Sun from May 5
2200-2400 on 9505 HRI English Sat/Sun from Aug. 4
(DX Mix-Bulgaria)

Alameda Bible Fellowship (Rlg) (New Entry) E: oneaccordonemouth@gmail.com W: searchinghisword.com

Summer Schedule 2019

English

0100-0130 .t.t.s. 5010rmi
0130-0200 .t.t.s. 9955rmi
0800-0900 m.....s 5950rmi
0830-0900 mt...s. 7730rmi
0900-1000 m.....s 5950rmi
1330-1400 m.w.f.. 15770rmi
1700-1730 m.w.f.. 13660iss
1930-2000 m.w.f.. 11860iss
2030-2100 mt..f.. 7780rmi

Spanish

0000-0030 .t.t.s. 7730rmi
0000-0030 .t.t.s. 9395rmi
0330-0400 .t.t.s. 5985rmi
2130-2200 m.w.f.. 7780rmi
2230-2300 m.w.f.. 9955rmi
(WRTH Update)

Frequency change of **World Harvest Radio Int.** Angel 2 from May 5:

0300-0400 NF 9505 HRI Eng/Rus Sun, ex 7385.

Will be back 7385 HRI Eng/Rus Sun from Aug. 4.

Upcoming change of **World Harvest Radio Int WHRI** Angel 1 from Oct. 6:

1400-2100 on 17815 HRI English till Oct. 5
1400-2100 NF 21610 HRI English from Oct. 6
(DX Mix-Bulgaria)

UZBEKISTAN Bible Voice Broadcasting via RRTM Telecom Tashkent, April 28:

1130-1200 on 9340 TAC English Sun, weak/fair signal
(DX Mix-Bulgaria)

BVBroadcasting via RRTM Telecom Tashkent on May 4:

1200-1230 on 9370 TAC Urdu Sat, fair/good
(DX Mix-Bulgaria)

9450, **R. Japan** via Tashkent, Apr. 5 at 1400(S/on)-1430(S/off) in English. SI0353. News, followed by "Easy Japanese" at 1415. (Shimada-Japan/Japan Shortwave Club)

12160, **Trans World Radio-India** via Tashkent, Apr. 11 at 1508-1545* (S/off) in Punjabi. SI0453. Talk & hymn. S/off with ID and IS at 1545. (Hayashi-Japan/Japan Shortwave Club)

ZAMBIA Fair signal of **Voice of Hope Africa** tx#2 on May 19:

1200-1700 on 13680 LUV English Sa/Su
(DX Mix-Bulgaria)


Fair/good signal of **Voice of Hope Africa** tx#2 on May 20:

0500-0800 on 11680 LUV English Mon-Fri
(DX Mix-Bulgaria)

5915, **ZNBC**. Any time I can make out a portion of their commercial announcement (it was about a soap that fights germs and viruses. Start of ad talks about her 10 year old son always catching colds and flu at school.) in English, I'm happy (May 3). This just before the "One Nation. One Zambia" news in English. Earlier at 0400, Zambia was close to being solidly fair., but by 0455 started going downhill. (Ron Howard-CA)

ZANZIBAR Very weak signal of **Zanzibar Broadcasting Corporation**, May 8:

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

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

New Address

Please note that NASWA has a new address:

P.O. Box 3292, Allentown, PA 18106

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

Pirate Radio Report

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

Shortwave pirate broadcasting continued at a very brisk pace once again during the past month. Pirate broadcasting inevitably increases around major North American holidays. By The only holiday celebrated in the USA during June is Flag Day, which falls on Friday, June 14 this year. But, for shortwave pirate broadcasting purposes Flag Day is almost inconsequential, with little or no increased levels of shortwave broadcasting on or around Flag Day. But, the forthcoming Fourth of July Independence Day in the United States is one of the biggest shortwave pirate holidays of the year, so there is something to look forward to. A major downside this month is that darkness propagation paths continue to shrink to their lowest levels of the year, with the first day of Summer arriving on June 21 in North America. Seasonal static levels on the shortwave bands also reach a peak as summer arrives with a widespread increase in thunderstorm-generated static.

This month we have very important updates to news on the "Preventing Illegal Radio Abuse Through Enforcement" act, with an acronym of the "Pirate Act." Its official title is HR 583. This bill would provide for fines of pirate radio stations of \$100,000 per day, with a maximum fine of \$2 million. The bill is sponsored by Rep. Leonard Lance (R-NJ) and Rep. Paul Tonko (D-NY). Our sharp-eyed desktop publisher, Ralph Brandi in NJ, points out that when the bill was reintroduced in the current session of Congress, Lance was no longer a co-sponsor, since he was defeated in the November election by more than 16,000 votes. As of the end of April, this bill's prognosis in the Congress remains uncertain.

The Pirate Act last year on July 12 did get a vote in the House of Representatives Energy and Commerce Committee, where it passed unanimously. At this point, the Pirate Act was merged with some provisions of the Net Neutrality legislation that is going through Congress. At that point some opposition emerged from some Democrats in Congress. The radio legislation is further complicated by controversial bills to criminalize online internet privacy. All of this is further complicated by the literal chaos within the Federal Government associated with the the Kavanaugh nomination to the Supreme Court, the takeover of the House of Representatives in 2019 by the Democrats as a result of the November 2018 midterm election, and the partial shutdown of the Federal Government late in 2018. On May 15 the Pirate Act passed the US Senate committee on Commerce, Science, and Transportation unanimously. That refers the bill to the Senate floor for a vote. The fate of this bill in the Senate and on the desk of President Trump remains uncertain at column deadline time this month.

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

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

Pirate busts by the FCC during the past month were mostly concentrated in the New York City metro area and in Florida as usual. This month we again omit the individual bust notices issued by the FCC. Tom Taylor

Now via Rich D'Angelo once again points out that some recent FM busts continued to be of both pirate operators and their landlords. Once again this month the FCC appears to have issued no citations to shortwave pirates in the United States. Your pirate DX news and logs for this column are always welcome. Feel free to send them in so that others can follow trends on how and where others are hearing unscheduled and ever-changing pirate radio operations on shortwave. Modes are USB unless listed.

Amphetamine R. 6925 2123-2203* 5/10/19 fair to good. Prgm of classic rock mx & SSTV images. (Montney, MI)

Brickyard R. 6935 2307-2329* 4/27/19 good. Prgm of some rap/rock mx but mostly old commercials. (Montney, MI)

Brickyard R. 6935 2312-2204* 4/27/19 fair to good. Johnny Big Balls w/some rock mx but mostly old commercials. (Taylor, WI)

Brickyard R. 6925 2119-2132 4/30/19 good. Prgm of some rock mx but mostly old commercials. (Montney, MI)

Bullwinkle R. 6925 2330-2334* 5/10/19 fair. Classic rock mx and Bullwinkle cartoon audio. (Taylor, WI)

Charleston R. International 5139.99 0738-0749 4/13/19 good to fair. Usual medley of retro songs w/OM IDs and occasional tlk in English. (Serra, Italy)

Cool AM R. 6925 0124 5/11/19 very good. A mix of rock, folk, and yodeling mx. (Taylor, WI)

Laser Hot Hits 6205 0038 4/16/19 poor. Prgm instr mx from this Euro. (Taylor, WI)

Laser Hot Hits 6205 0053 4/20/19 poor. Prgm dance mx from this Euro. (Taylor, WI)

Mix R. International 6881 1759 4/19/19 good. A nice selection of jazz mx. (Montney, MI)

Mix R. International 6867 0116 4/25/19 good. Prgm of various mx w/ID's by synthesized YL vox. (Taylor, WI)

Mix R. International 6900 2052-2056* 5/5/19 good. Prgm of dance mx. (Montney, MI)

Nuttin on SW 6925 AM 2354-0025* 5/10-11/19 poor. Gruff voiced OM w/mix of classic rock mx and entertaining conversation. (Montney, MI)

Peanut Power 6952.2 0143 5/11/19 poor. Classic rock mx, w/IDs in CW and some SSTV images. (Taylor, WI)

R. Free Whatever 6950 1836-1855* 4/28/19 fair to good. Dick Weed w/prgm of rock mx. (Montney, MI)

R. Ga Ga 6924.95 0004 4/15/19 good. Largely a prgm of oldies rock & pop mx. (Montney, MI)

R. Ga Ga 6925 2131-2238 4/20/19 good. Classic rock & pop mx, w/ID slightly tentative. (Taylor, WI)

R. Ga Ga 6929.9 2131-2238 4/20/19 S8. Prgm of classic rock mx. (Hauser, OK)

R. Humperdinck 6925 2346 5/3/19 fair. Only hrd end of prgm w/ID and good bye. (Montney, MI)

R. Free Whatever 6925 2225-2225 5/5/19 poor and fading. Dick Weed w/rock mx prgm. (Montney, MI)

R. Illuminati 6868 1445-1552 4/20/19 poor. Rock mx by the Beatles and others. (Montney, MI)

R. Olah 6930 2334-0018* 4/28/19 poor w/ fading. Various mx w/live TCs. (Taylor, WI)

Skippy R. 6950 0005 4/22/19 fair. A mix of rock mx & SSTV images. Sometimes known to ID as Damn Skippy. (Taylor, WI)

Skippy R. 6950 0205 4/21/19 fair to good. Rock mx mixed w/various SSTV images. (Taylor, WI)

Skippy R. 6925 0004 4/25/19 fair. A mix of rock and blues mx w/SSTV images at close. (Taylor, WI)

Skippy R. 6950 2317-2345* 4/26/19 fair. Rock oldies mx & SSTV images. (Montney, MI)

Skippy R. 6925 0234-2038* 4/27/19 fair. Prgm of stories mixed with various SSTV images. (Taylor, WI)

Skippy R. 6925 2233 4/28/19 good but some Chinese jamming. Prgm of oldies rock mixed with SSTV images. (Taylor, WI)

Unid R. 6285 0107-0148* 4/21/19 fair. Classic rock mx w/SSTV image at close. (Taylor, WI)

Unid R. 6950 0254 4/20/19 fair. Classic rock mx w/SSTV image at close. (Taylor, WI)

Wave R. 6925 2226-2304* 4/27/19 fair. Prgm of classic rock mx. (Montney, MI)

Wave R. 6925t 2232-2304* 4/27/19 S9+5. Prgm of classic rock mx, ID not copied but HF Underground says it was them. (Hauser, OK)

Wolverine R. 6965 0014 4/21/19 very good. Discussion prgm by OM w/some SSTV images. (Taylor, WI)

Wolverine R. 6965 0016-0115 4/21/19 S10 444. Prgm of show tunes w/some SSTV images. (Henley, WA)

Wolverine R. 6965 0030-0100+ 4/21/19 S9+10. Prgm of mx w/some SSTV images. (Hauser, OK)

Wolverine R. 695000295/12/19 S9+20. Musical prgm w/very strong signal. (Hauser, OK)

Wolverine R. 6950 0100 5/12/19 fair. Usual format of 3 songs followed by an ID. (Taylor, WI)

X-FM 6285 0220-0300+ 4/21/19 very good. Redhat w/prgm of rock mx and DJ patter. (Taylor, WI)



NASWA Facebook Page

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



Contributors' Page

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Rick BARTON, Sun City, AZ

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

Eric BUENEMAN, Hazelwood, MO

Yaesu FRG-7, Apex 303WA-2 vertical antenna

Ed CICHOREK-NJ

R75, SW8MFJ956, SWL4-50 wire

Rich D'ANGELO, Wyomissing, PA

Ten-Tec RX-340, Drake R-8B, Eton E1, Eton E5, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4

Mick DELMAGE, Sherwood Park, Alberta

Perseus SDR Ant: Wellbrook ALA 100 loop

Jim EVANS, Germantown, TN

IC7300, IC-R75, Perseus, Random Wires, W6LVP

John FIGLIOZZI, Sarasota FL

Lowe HF-150, Eton E1-XM, Sony ICF-2010, Panasonic RF-B65 – Boni Whip

Glenn HAUSER, OK

No equipment listed

Vince HENLEY, Anacortes WA

WiNRADiO G39DDCe SDR, ICOM IC- R8600, Ten-Tec RX-340, Drake R8B, SDRPLAY RSP Duo, TECSUN PL-880. Antennas: whip on PL-880 and Alpha-Delta DX-Ultra installed broadside east west at 30 feet for all others

Anker PETERSEN, Denmark

No equipment listed

Alan ROE, United Kingdom

No equipment listed

Gianni SERRA - 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

Gayle VAN HORN, NC

No equipment listed



Loggings

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

3925 **JAPAN *Radio Nikkei*** 4/29 1145 Pop music from USA (Pharrell Williams, etc), very animated mixed group in Japanese after the hour with talk and Japanese pop. About equal to the 6055 // -SINPO 44434 Barton-AZ

4765 **TAJIKISTAN *Tajik Radio***, Dushanbe Yangiyul in Tajik 04.17.2019 1851-1901 man unclear talk, local chant with instrumental music, woman and man brief announcements with local music pauses at times, local chant, better in Lsb with inter filter, ceaseless fast qsb and severe qrn, poor; (Serra,Roma,Italy)

4765 **CUBA *Radio Progreso***, Bejucal in Spanish 05.04.2019 0343-0357 nonstop slow and lively songs only, heard better in Usb, ceaseless fast qsb with severe qrn, poor/almost fair; <https://radiosdecuba.com/progreso> in streaming (Serra, Roma, Italy)

4775 **SWAZILAND *TWR Africa***, Manzini, 0448-0453. Religious talk by a man in African-accented English. Moderate strength signal with some fading and heavy CODAR interference. 4/24/2019 (Evans - TN)

4885 **BRAZIL *Radio Clube do Para*** @0237 w/OM in PP spkg as if describing a sporting event but no crowd noise. SINPO 35333 (Figliozzi, FL)

4930 **BOTSWANA *Voice of America*** Mopeng Hill in English 04.21.2019 1852-1908 afropop, man announcer, other man talk till 1859 (mostly unclear), man announcer, afro music pause, woman ID and reading news, with music breaks and one correspondent in brief (till 1905), announcer with IDs, pop song, better in Lsb with inter filter to nullify qrm rtty splats, severe qrn, poor /almost fair at times; in // 6080 good; (Serra, Roma, Italy)

4940 **CHINA *Voice of the Strait*** at 4/29, at 1230. Long string of pop vocals, little announcing - Barton-AZ

4990 **SURINAME *-Radio Apintie***, Paramaribo @0035 w/M in Dutch, then pop tune. Signal/audio too weak to verify independently but programming observed appears to track that heard on station web stream. SINPO - 15222 (Figliozzi, FL)

5025 **CUBA *Radio Rebelde***, Bauta in Spanish 05.04.2019 0332-0341 music, man talk (with ID at 0335), song, with talk by same man and woman, other man /woman talk, slow song, heard better in usb with inter filter to nullify rtty, severe qrn, fair / almost good (Serra,Roma,Italy)

5040 **CUBA Radio Habana Cuba**, May 13 at 0537, RHC is in Spanish instead of English, which is nominally here at 0500-0600. Something's always wrong at RHC (Hauser-OK)

5085 **UNITED STATES - WTWW**, Lebanon TN w/ its nightly hours of classic rock mx and old time DJs noted at 0152 booming in with its transmitter trained at 180 deg. bulls eyeing south Florida. Very pleasant listening. SINPO 55545. (Figliozi, FL)

5139 **PIRATE (EUROPE) Charleston Radio.Int'l** in English 04.13.2019 0738- 0749 usual medley of retro songs, with man dj brief talk at times (go ahead, London !) ID, heard in Lsb, mild qsb and grn rustle in increasing, good / fair; (Serra, Roma, Italy)

5145 **SINGAPORE BBCWS** via Kranji in EE w/"Heart and Soul" @1250, off @1300. SINPO 35533. (Figliozi, NY)

5800 **UNITED STATES -WRMI**, Okeechobee FL @0000 w/Xmas mx & EE ann. ID on hr. //5950. SINPO - 35433. (Figliozi, FL)

5835 **ARMENIA -BBCWS**, Yerevan s/off in EE w/ID 0159. SINPO - 24232 (Figliozi, FL)

5850 **UNITED STATES WRMI** Okeechobee, FL - 4/28 0833 noted with *World of Radio*. SIO 555. (Bueneman-MO)

5875 **UNITED KINGDOM -BBCWS**, Woofferton @0048 w/EE documentary on robots. SINPO 45333. (Figliozi, FL)

5900 **BULGARIA - Bible Voice**, Kostinbrod In AA @0202 w/very lively rlg prgm incl child choir and YL spkg vy expressively. SINPO 45444. (Figliozi, FL)

5910 **CHINA CHINA Radio Int'l** (Beijing) 4/29 at 1130. Lot of excited banter with two W in mix of English and Filipino (Tagalog) - Barton-AZ

5920 **JAPAN Shiokaze/Sea Breeze**, 5/4 at 1300, usual openings, M and W in Japanese alternating. Close out with usual piano music at BoH, then going to what sounded like Korean, complete with the jailbreak alarm sound effect. Signal level just a little below the // heard on 6070 - VG Barton-AZ

5930 **AUSTRIA BBC**, Moosbrunn, 0140-0145. Talk in Dari between two men. Talk by a man and a woman after 0143. Moderate signal with some interference from WWCR on 5935. 4/24/2019 (Evans - TN)

5945 **NEW ZEALAND RNZ National** at 0600 UTC Sign On May 11 beginning with News. Excellent (Delmage, AB)

5950 **ETHIOPIA V.o.Tigray Revolution**, Addis Ababa in listed Tigrinya 04.04.2019 1846-1905 man radio host chatting with one woman and some men (phone calls: "hallo?"), better in usb with inter filter to nullify strong splashes, moderate to strong qrn crackles, fair; (Serra, Roma,Italy)

5950 **ETHIOPIA V.o.Tigray Revolution**, Addis Ababa, in listed Tigrinya 04.18.2019 1817-1827 typical local chant with instrumental music, some lively music breaks with man / woman enhanced announcements, woman host chatting with some men (phone calls), better in usb, moderate ceaseless fast qsb and qrn, qrm lite /moderate splats at times; fair/ almost good (Serra,Roma,Italy)

5995 **MALI Radio Mali** – Bamako, 2351-0003* Apr 16, man announcer with French language talk hosting popular music program. At midnight the man announcer continued talking before another selection of vocals. Plug pulled mid-song. Fair to good reception. (D'Angelo-PA)

5995 **MALI Radio Nacional.**, Bamako rising to a great signal by 2254, only to be obliterated by a dirty Cuban tr. relaying CRI @2300. Children singing w/OM talking/directing in background. SINPO - 45534 until CRI s/on. 21552 after using 2.3 kHz filter & full 2 kHz passband. (Figliozi, FL)

5995 **MALI Radio Mali**, Bamako I, 2308-2336. West African highlife music. Talk by a man in an African language (Bambara per EiBi) at 2309. Music resumed, Afro ballad style, at 2315. Alternating talk and music segments to 2336 tune out. Moderate signal, becoming stronger over time. Cubans on 6000 and 5990, but not a major problem due to strength of Mali signal. My best log of this station in many years. Also heard in late January with very weak signal. 4/18/2019 (Evans - TN)

6065 **ZAMBIA Voice of Hope Africa**, Makeni Ranch in English 04.03.2019 1831-1840 man talk with ID (...the Voice of Hope), slow song, same man talk (mostly no clear) with music pause at times, better in Lsb with inter filter, moderate to severe splashes, moderate qrn and qsb, poor/ fair at times; in // 4965 poor/very poor; (Serra,Roma,Italy)

6090 **IRAN VOIRI**, Sirjan in SS @0207 w/Anguilla not here tonight. Mention of US & Venezuela in apparent rpt & commentary. SINPO 45444. (Figliozi, FL)

6110 **ETHIOPIA -Radio Fana** in Oromo @0411 w/E. African vocals, drums, reed instruments. SINPO 34333. (Figliozi, FL)

6129 **SWAZILAND TWR Africa**, Manzini-Mpangela Ranch, in listed Umbundu 05.02.2019 1838-1859 man long talk till 1846:37", slow chorus chant, same man announcement (ment. Angola twice with unclear address), chorus chant, brief music break, well known IS at 1850, almost good; (Serra, Roma, Italy)

6140 **INDIA AIR** Bangalore in listed Urdu 04.04.2019 1912-1931 nonstop Indian chants with local instrumental music till 1924, man brief announcement, other man ID and reading news, other man announcer with ID and frequency quote till 1930good (Serra,Roma,Italy)

6140 **INDIA AIR** Bengaluru, in listed Urdu 04.18.2019 1750-1808 Indian chant with instrumental music till 1754, man talk till 1756:14", Indian chant, same man brief talk, man typical boring vocal chant with local bow sound, strings and some percussions; mild fast qsb, lite qrn, very good (Serra,Roma,Italy)

6180 **UAE Ibra Radio**, Al Dhabbaya in listed Somali (p) 04.06.2019 1746-1800 slow chant, man talk (mostly unclear) till about 1757, woman brief talk, music till 1800, better in usb with Nir 12 when talking, (Serra,Roma,Italy)

6185 **MÉXICO Radio Educación XEPPM** Mexico City – 4/6 0525 noted with light vocal music, promos and ID in Spanish. SIO 323. (Bueneman-MO)

6190 **CHINA P.R.PBS Xinjiang**, Urumqi Changji, in listed Mongolian 04.28.2019 1611-1639 man fast talk, with Chinese strings music breaks at times till 1619, very poor/poor/almost fair; (Serra, Roma,Italy)

6195 **UNITED STATES NHK World** via WHRI Cypress Creek, SC – 4/27 0913 noted with cultural program in Portuguese. SIO 545. (Bueneman-MO)

6205 **IRELAND Laser Hot Hits** fading in and out w/rock mx @0147. SINPO 15322. (Figliozzi, FL)

6350 **KOREA SOUTH Echo of Hope**, May 17 at 1153, romantic solo song, maybe even in English, S8-S9 with jamming CCI; similar on 6600 but not positively // with less QRM. 6350 is Echo of Hope, while 6600 is Voice of the People. Both operated by the National Intelligence Service, from different sites, and supposedly with separate programming as clandestine into North Korea (Hauser-OK)

7205 **SUDAN Radio Omdurman** w/OM in AA @0415. SINPO 34333. (Figliozzi, FL)

7315 **UNITED STATES WHRI** religious broadcaster in EE. SIO 333, April 23, 2019, 2325 – 2331. OM preacher with sermon about Jesus, quoting Bible passages to justify his points. Program and station ID follows, and then MX with OM vocalist. (Henley, WA)

7355 **ALASKA KNLS** Religious broadcaster in CC. SIO 555, May 9, 2019, 1424 – 1428. Excellent signal. OM and YL in Mandarin with talk or homily. Slight QRN and shallow QSB. Listed target is FE. (Henley, WA)

7355 **ALASKA. KNLS** religious broadcaster in CC. SIO 555, April 25, 2019, 1451 – 1459. OM in listed Mandarin, YL follows. Listed target is FE. Contact information given including web address. Slow, Steep QSB. Hymn in EE with OM soloist, followed by OM with homily. Off air at 1459. (Henley, WA)

7355 **SINGAPORE BBC** relay in KK. SIO 444, April 15, 2019, 1542 – 1546. BBC with mixed OM and YL announcers, news clips, talk, and commentary. Listed target is FE. Some audio clips are in EE. (Henley, WA)

7355 **SINGAPORE. BBC** relay in KK. SIO 555, April 16, 2019, 1604 – 1610. News, coverage of Notre Dame Fire. YL news reader and host. (Henley, WA)

7355 **SINGAPORE BBC** relay in KK. SIO 555, April 18, 2019, 1558 – 1603. Language lesson EE / KK. Theme is “Listening to loud music” ID at top of hour. More news, YL announcers, OM news reader. (Henley, WA)

7380 **UNITED STATES WHRI** religious broadcast in EE. SIO 333, April 20, 2019, 2324 – 2329. YLs in religious talk. Poor signal. Strong QRN and distant static crashes. (Henley, WA)

7410 **CHINA China Radio Int'l** in JJ. SIO 544, May 8, 2019, 1518 – 1522. YL with talk or lecture in JJ. Slight QRN. Listed target is FE. Some orchestral MX clips, along with a very long monologue in JJ by the YL announcer. (Henley, WA)

7410 **CHINA China Radio Int'l** in JJ. SIO 555, May 9, 2019, 1422 – 1424. Excellent signal. YL announcer with news and commentary in JJ. (Henley, WA)

7410 **CHINA China Radio Int'l** in JJ. SIO 444, April 25, 2019, 1511 – 1515. YL announcer with talk in JJ. Commentary, ID, and contact information given in JJ. (Henley, WA)

7410 **CHINA China Radio Int'l** in JJ. SIO 444, April 15, 2019, 1530 – 1541. OM in JJ with long monologue. Chinese MX ballad with YL soloist. Good signal, easy listening. (Henley, WA)

7485 **SINGAPORE BBC** relay in Urdu. SIO 434, April 15, 2019, 1553 – 1600. YLs in Urdu discussion. Listed target is South Asia. BBC ID at top of hour, off air at 1600. (Henley, WA)

7490 **UNITED STATES -WBCQ**, Maine w/a most welcome prgm of classical mx on recommendation of Glenn Hauser titled “Encore” & produced & presented by Brice Avery of R. Tumblr. Good sig on tune in @0030 continuing to 0115. SINPO - 45544 (Scheduled for ea. M 0000-0100 UTC.) (Figliozzi, FL)

7505 **UNITED STATES WRNO** Worldwide New Orleans, LA – 4/28 0825 noted with Contemporary Christian music in English into Christian teaching program in Chinese. SIO 555. (Bueneman-MO)

7530 **TAJIKISTAN. Radio Free Asia**, Dushambe-Orzu, 1327-1330. Talk by a man in Burmese (per schedule). Music at 1328. Talk resumed at 1330. Extremely weak, threshold level signal, readable about 50% of the time. 4/21/2019 (Evans - TN)

9320 **PHILIPPINES Voice of America** in KK from Tinang. SIO 545, May 9, 2019, 1418 – 1422. News, including news clips in EE. Quotes from President Trump and various officials on latest missile provocations by North Korea. OM and YL announcers. (Henley, WA)

9320 **PHILIPPINES *Voice of America*** from Tinang in KK. SIO 444, April 24, 2019, 1443 – 1449. OM and YL in conversational format. Good signal, minor QRN. Listed target is FE. (Henley, WA)

9320 **PHILIPPINES *Voice of America***, 4/20 at 1430, piano music, monitored on small portable and stock antenna. M presenter in Korean, then to a surprising cut by Dire Straits (Single Handed Sailor). News (oddly) at 1453, another ID, Yankee Doodle & off at 1500 -Barton-AZ

9330 **UNITED STATES *WBCQ*** At tune in 0010 UTC May 11th 9330 kHz Alan Weiner World-wide with talk about TV and their new transmitter. Some intermittent off (0017 and 0025 UT) Very strong. // 7490. 198 kHz good and 3265 kHz nothing heard... Back on old transmitters at 0027:50 UTC on 9330.198 kHz with Brother Stair. Good but not like when they were on 9330 kHz exactly. Obviously still some bugs to work out... (Delmage, AB)

9420 **CHINA *CNR 13*** in Uighur. SIO 433, May 9, 2019, 1430 – 1438. OM announcer. MX clips, advertisements in Mandarin. Programming in Uighur. OM and YL announcers alternating. Noisy signal, listenable but with effort. (Henley, WA)

9420 **GREECE *Voice of Greece*** in Greek. SIO 333, April 27, 2019, 0121 – 0130. Greek MX. OM vocalist. More MX, YL vocalist, then another song with YL group vocalists. Nice MX, listenable. Listed target is NAM. (Henley, WA)

9435 **NORTH KOREA *Voice of Korea*** in FF. SIO 434, May 9, 2019, 1439 – 1443. Band and marching MX. Listed target is NAM. OM announcer in FF, more instrumental MX, and then YL soloist. (Henley, WA)

9435 **KOREA NORTH *Voice of Korea*** in English with soft traditional music and announcements at 1544 UTC May 5th with Very Good signal // 11710 kHz poor. (Delmage, AB)

9435 **NORTH KOREA *Voice of Korea*** in FF. SIO 232, April 16, 2019, 1610 – 1614. YL announcer in FF. Weak, noisy signal. Poor listening, audio distortion, heavy QRN, Steep QSB. Long monologue. (Henley, WA)

9450 **TAIWAN CLANDESTINE / OPPOSITION, *Furusato No Kaze*** in JJ. SIO 333, May 9, 2019, 1444 – 1450. OM and YL announcers with talk, pop MX, homily/ exhortation. Listed target is North Korea. Origin is Paochung, Taiwan. Listenable with heavy QRN, no QRM, and shallow QSB. (Henley, WA)

9470 **TAIWAN *RTI***, Tamshui in CC //9680 & 11985. Very tight propagation window w/F-G sig from 1220 tune in till 1228 fade out. 35333. (Figliozzi, FL)

9490 **SAO TOME & PRINCIPE *Voice of America***, 2040, 5-1-19. Fast talking male with drums in background. Rapid exchange between man and woman with mentions of Nigeria. At 2045, male vocalist and stringed instrument. SINP035333. (Cichorek-NJ)

9490 **CLANDESTINE Radio Republica** via Issodoun, France – 4/17 0201 noted with ID, news bulletin and analysis, many mentions of Cuba in Spanish. SIO 434. (Bueneman-MO)

9555 **SAUDI ARABIA RSI**, 2051, 5-1-19. Vocals and background music with local instruments. SINPO 35333. (Cichorek-NJ)

9560 **TAIWAN Furusato no kaze** at 5/1 at 1430, monologue with W in Japanese. Equal to // on 9450. 9960 // via Palau at imagination level. Male vocal music at 1443 - SINPO 44434 Barton-AZ

9565 **UNITED STATES Radio Marti** in SS. SIO 555, April 16, 2019, 2337 – 2347. OMs in commentary and discussion. Excellent signal. Talk and MX. (Henley, WA)

9565 **UNITED STATES Radio Marti** in SS. SIO 555, April 20, 2019, 2228 – 2232. OM announcer with Latin MX. ID with YL at bottom of hour. (Henley, WA)

9570 **SOUTH KOREA KBS World** Radio 5/1 at 1340. Familiar W host, pop culture show, under CCI from (likely) China Radio Int'l via Quivican Cuba. CCI stopped in time for closing ancmts, then, KBS goes to Indonesian lang. on the hour- Barton-AZ

9580 **ALASKA KNLS** religious station in EE. SIO 555, April 20, 2019, 1427 – 1432. Movie review, Carl Mann with SWL talk. Frequency description, definition. Origin of "Hertz." OM and YL announcers, pop religious MX. Excellent signal. (Henley, WA)

9615 **PHILIPPINES BBC** Relay from Tinang in KK. SIO 545, April 15, 2019, 1608 – 1612. Various OM and YL hosts in KK talk and commentary. Good signal with minor QRN. (Henley, WA)

9615 **PHILIPPINES BBCWS** 4/19 at 1700. M in Korean, audio clips, sounds like news magazine programming. About the last man standing on 31 meters at this hour here - Barton-AZ

9650 **GUINEA Radio Guinee** at 2058 UTC May 1 with West African music and announcements and ID's in French. Good (noted slight co-channel interference from Pyongyang VoK at 2110 UTC but soon faded as sunrise in North Korea advanced.) Very nice IS (or Imaging for newscast) at 2200 UTC. Abrupt off at 2221 UTC. (Delmage, AB)

9650 **GUINEA Radio Conakry** on tonight well past usual random "hot" s/off and 0000 scheduled s/off. W. African vocals to 2359, M in FF still going @0016. SINPO 45233. (Figliozzi, FL)

9650 **GUINEA Radio Conakry** hrd early today fade in @1950 w/steadily strengthening sig. Many IDs, mentions of Guinea & Conakry, in FF, W. AF. Tunes from time to time. Off suddenly @2210. SINPO at peak 2130-2210 = 55545. (Figliozzi, FL)

9650 **GUINEA, Radio Guinea**, 2203, 5-12-19. Man in French joined by woman in talk with mentions of Cuba. Fair. (Cichorek-NJ)

9660 **CHINA CNR 1** Domestic broadcast in CC. SIO 434, April 18, 2019, 1553 – 1557. News and commentary. CNR covering up RTI on same frequency. Audio news clips. (Henley, WA)

9665 **BRAZIL -Radio Voz Missionaria**, w/OM preaching in SS 0215 and then singing. SINPO 45333, but undermodulated audio. (Figliozi, FL)

9675 **CHINA China Radio Int'l** in RR. SIO 444, April 20, 2019, 1433 – 1437. Listed target is Siberia. OM with talk and commentary, followed by YL with monologue and interview. Some audio clips. Good signal. (Henley, WA)

9690 **SPAIN, REE**, 1905, 5-9-19. Man in Spanish with very excited talk joined by another male. Possible sporting event. Fair to poor reception. (Cichorek-NJ)

9690 **SPAIN REE** at 2203 UTC May 10 with sports news from the Madrid Open Tennis Tournament. Excellent (Delmage, AB)

9700 **NEW ZEALAND RNZ** Pacific at 0545 UTC May 11 with Pacific news. Signed off at 0558 UTC. Excellent (Delmage, AB)

9730 **ALASKA KNLS** 5/6 1500. Familiar KNLS tuning signal to ign on by M in Russian, electronic pop music. M, then W, with (presumed) religious lecture Barton-AZ

9830 **TURKEY Voice of Turkey**, May 15 at 2330 check, VOT on again with extra German broadcast, announcement amid Türkmusik, fair S8-S9+10; unknown today whether also managed to air English during previous hour (Hauser-OK)

9839 **VIETNAM Voice of Vietnam** at 1507 UTC May 12 with News in English. Off air at 1527 UTC. Fair tuning to off frequency to get around WHRI on 9840 kHz. (Delmage, AB)

9845 **MADAGASCAR MWV** at 1900 UTC April 25 with Interval Signal and Sign on in Russian. Began with Matchbox Twenty tune “Real World”. Good (Delmage, AB)

9965 **PALAU Furasato No Kaze** (Wind from the Homeland). Broadcast to suspected kidnapped JJ nationals in N.Korea. YL then OM in JJ 1330. SINPO 35323. (Figliozi, FL)

11530 **MOLDOVA Radio Denge Welat** 4/25 at 2030 with two M in language listed as Kurdish - Fair, but Good on peaks Apr 25 Barton-AZ

11560 **INDIA AIR** at 1700 UTC April 28 in Russian with talk and Indian music. Abrupt off at 1715 UTC. Distorted but Very Good signal. (Delmage, AB)

11660 **THAILAND Voice of America**, Udon Thani w/armchair copy of M/W in CC, jamming deep in background @1220 to past 1300 and continuing. Handoff scheduled to Tinang @1300 but noted no such change so maybe these are the jammers w/VOA in background? 54544 //11900 off at 1300. (Figliozi, FL)

11660 **CHINA** *China Radio Int'l* via Shijiazhuang at 1730 UTC April 26 Sign On with Interval Signal followed by announcement in Chinese and commentary. Very Good (Delmage, AB)

11700 **CUBA** *Radio Havana Cuba* -4.30 0139 noted with commentary and ID in Spanish. SIO 434. (Bueneman-MO)

11735 **NORTH KOREA** *KCBS* 4/20 at 1400, vocal music, the usual patriotic NoKo stuff - Barton-AZ

11745 **SAUDI ARABIA** *-Al Azm Radio*, Jeddah w/ME mx. @1326 SINPO24333. (Figliozzi, FL)

11750 **AUSTRALIA** *Reach Beyond (HCJB)*, Kunnunurra barely audible in EE @1321. SINPO 13342. // 11900. (Figliozzi, FL)

11750 **UNITED STATES** *WHRI* Cypress Creek, SC - 4/27 2102 noted with Christian rap music, prayer and Scripture reading in English. SIO 444. (Bueneman-MO)

11780 **BRAZIL** *Radio Nacional da Amazonia* - 4/2 2350 noted with discussion in Portuguese. SIO 545. (Bueneman-MO)

11780 **BRAZIL** *Radio Nacional da Amazonia* 5/1 at 2030 Sounded like some sort of sports broadcast, excited M in Portuguese, a jingle inserted right at BoH - Barton-AZ

11785 **PHILIPPINES** *Voice of America*, Tinang barely audible w/OM, YL in CC Asian flutter @1317 SINPO 15232. (Figliozzi, FL)

11795 **TURKEY** *Voice of Turkey*, Emirler in Farsi 04.11.2019 0910-0937 local song, woman brief talk over slow music, brief music pause, local song, same woman brief talk, nonstop local songs, TS at 0930, announcer with some mentioning Ankara, music bridge into presumed news in brief with two music breaks, woman announcer at 0933, local chant, heard in usb, lite qsb and qrn in increasing to moderate, fast and ceaseless from 0922, very good / good / fair at times; (Serra, Roma,Italy)

11825 **SRI LANKA** *-AWR*, Trincomalee w/OM spkg & YL singing in KK @1235. SINPO - 45534 (flutter fading) (Figliozzi, FL)

11850 **ROMANIA** *Radio Romania Int'l* - 4/27 2040 noted with news analysis, ID and Focus on Romania in English. SIO 434. (Bueneman-MO)

11859 **SAUDI ARABIA** *Rep of Yemen Radio*, Jeddah in Arabic 04.28.2019 0603-0622 man enhanced announcement over slow music, very long Arab humdrum chant with instrumental music till 0620, s/on only for some seconds, then another humdrum choral chant; moderate deep qsb with qrn rustle in increasing from 0614, almost good / fair at times (Serra,Roma,Italy)

11860 **YEMEN (NON) *Yemen Radio*** via Saudi w/Koran readings and OM in AA @1313. Fair. (Figliozi, FL)

11875 **AUSTRALIA *Reach Beyond Australia*** (HCJB), Kununurra w/YL in Hindi and inspirational vocal by W w/EE lyrics @1228. 35323 //11865 35433 But programs appeared to diverge when checked again @1253 although both still in Hindi. (Figliozi, FL)

11900 **PHILIPPINES *Voice of America***, Tinang //11660 also w/jamming suppressed. See above; off at 1300. 34433 (Figliozi, FL)

11900 **AUSTRALIA *Reach Beyond (HCJB)***, Kununnura SINPO 25322 @1310. EE rlg. prgm. (Figliozi, FL)

11900 **CHINA *China Radio Int'l*** via Jinhau at 1600 UTC April 28 with news in English // 11965 kHz via Kashi-Saibagh...both Very Good. (Delmage, AB)

12019 **VIETNAM *Voice of Vietnam*** at 1335 UTC May 12 in English with news followed by a program at 1343 UTC about weddings.. Ended at 1356 UTC. Dead air at 1357 UTC to 1400 UTC Interval Signal and Japanese program. Fair (Delmage, AB)

12160 **UNITED STATES *WWCR 2*** in EE from Nashville, TN. SIO 333, May 10, 2019, 1510 -1518. CSC Talk Radio with Beth Ann. Review of Democrat Presidential candidates noting "free" everything and the attack on the Second Amendment by many of them. Weak, noisy signal, moderate QSB, heavy QRN. Contact information given along with various advertisements, including My Pillow.com. Listenable, but with difficulty. (Henley, WA)

13590 **UNITED KINGDOM *Voice of America*** via Woofferton at 1700 UTC May 12 sign on with news in English. Fair with deep fades. (Delmage, AB)

13630 **MALI *China Radio Int'l*** (Bamako II) 5/9 at 2000, w/ man and woman in what sounded like theatrical production. Just a little above the noise, but enough to make out that the language used was clearly English - Poor/Fair Barton-AZ

13635 **TURKEY *Voice of Turkey***, Emirlir in TT w/YL introing mx selections @1250. SINPO - 25433. Off suddenly @1257. (Figliozi, FL)

13665 **ALBANIA *China Radio Int'l*** via Cerrik in EE to Eu. @ 1250. SINPO - 35433. (Figliozi, FL)

13700 **CUBA *Radio Habana Cuba*** in SS. SIO 333, May 10, 2019, 1455 - 1500. RHC with OM announcer. Weak signal, difficult listening. Listed target is WNAM, but signal is poor here in the Pacific Northwest. Heavy QRN, steep QSB. Theme MX and ID at top of hour, off air at 1500. (Henley, WA)

13710 **MADAGASCAR *Radio Feda***/World Christian Broadcasting on 4/11 at 2045. Heard on analog portable and telescoping whip. Presumed religious talks, M and W in Arabic,

nice middle eastern vocal music towards ToH and W with closing ancmts & off - SIN-
PO 45434 Barton-AZ

13810 **CHINA CNR 1** in CC. SIO 444, May 8, 2019, 1535 – 1542. OMs in talk, conversational format in Mandarin. Domestic broadcast, likely covering up RFA from Dushanbe on same frequency. Various YL and OM announcers, advertisements, MX clips, announcements, and “local” news items. Moderate QRN, slight QSB. Listed target is FE. (Henley, WA)

13860 **JAPAN NHK World/ Radio Japan**, 4/11 at 2055 opening with M, W in Japanese - Barton-AZ

15125 **CHINA China Radio Int'l** via Beijing at 0153 UTC April 27 with Beijing Hour followed by Chinese language lessons. Very Good (Delmage, AB)

15165 **TAJIKISTAN (TENT.) Radio Free Asia**- Good sig w/flutter fade, guessing new RFA freq. in Tibetan. Choir singing w/YL spkg. Had time pips on hr. 1300, same lang. before & after. SINPO - 45534. (Figliozi, FL)

15165 **THAILAND Voice of America** via Udon Thani in a battle royale w/CNR1 jamming @1300. Both in CC w/competing nx-casts. SINPO for both 42554. (Figliozi, NY)

15245 **NORTH KOREA Voice of Korea** in EE. // 13760 with a better signal at 2136. SIO 232, April 20, 2019, 2111 – 2115, 2136 on 13760. YL announcer in EE with commentary on current affairs in North Korea. Poor, noisy signal, listed target is EU. Difficult listening now. Better listening later on 13760. (Henley, WA)

15275 **NORTHERN MARIANAS Radio Free Asia**, Tinian, 2242-2249. Talk in Cambodian by a man and a woman. Very weak signal at noise level, fading into the noise much of the time. 4/23/2019 (Evans - TN)

15275 **NORTHERN MARIANAS Radio Free Asia** in Khmer from Tinian. Apparently some repairs have been made to the cyclone damage. SIO 333, April 16, 2019, 2235 – 2243. Weak signal, possibly due to residual damage there. Listed target is SEA. Noisy, barely listenable, but it was clearly RFA. (Henley, WA)

15370 **CUBA Radio Havana Cuba** – 4/27 2118 noted with commentary in Portuguese. SIO 323. (Bueneman-MO)

15370 **CUBA Radio Habana Cuba** in SS. SIO 323, April 16, 2019, 2225 – 2228. OM announcer with long monologue. Listed target is EU. Noisy, poor listening. (Henley, WA)


15370 **CUBA Radio Habana Cuba** in SS. SIO 555, April 20, 2019, 2115 – 2125. Listed target is EU. Excellent signal. OM and YL hosts with guest commentaries. (Henley, WA)

15410 **AUSTRALIA** *Reach Beyond Australia* in JJ. SIO 232, April 16, 2019, 2229 – 2234. Announcement, ID, and frequency hold in EE. Program in JJ. Heavy QRN, noisy, poor listening... Not quite “listenable.” JJ program commenced at 2230. (Henley, WA)

15435 **SAUDI ARABIA** *BSKSA* 1 in AA. OM chanting verses from the Quran. OM announcer with commentary in AA. Arabic MX clips and more commentary. Listed target is EU. Good signal. (Henley, WA)

15450 **TURKEY** *Voice of Turkey*, Emirler in EE w/Turkish pops @1310. Nx headlines 1322 w/ ID & closing ann. off @1324. SINPO - 45434. (Figliozi, NY)

17530 **VATICAN CITY** *Voice of America* via Santa Maria di Galeria @1326 in Somali w/2 OM in discussion. 34333. (Figliozi, NY)

21504 **SAUDI ARABIA** *Radio Saudi*, Riyadh in Arabic 04.11.2019 1214-1230 Arab chant, woman brief announcement with music, radio play with sounds and music breaks at times (till 1219), man / woman announcements over lively pop music, (Serra,Roma,Italy) 




by Jerry Berg


<www.ontheshortwaves.com> **Update, April 28, 2019**—Under “DX History/Equipment & Advertising,” we have posted a brochure in French and English from Westinghouse, describing their “World Cruiser” line of receivers. This must be from around 1934, as an advertisement for the radios appeared in the November 1, 1934 issue of Maclean’s Magazine (from the Duke University Libraries Digital Repository).

<www.ontheshortwaves.com> **Update, May 5, 2019**—We have posted another scan of a group of radio trinkets, this one “Trinkets-VII,” under “DX History/Stations.” These are from stations in the Spanish-speaking Americas. They are (in this order in the PDF): (1) LS5, Radio Rivadavia, Argentina, 1989.—(2) CMCD, Cuba.—(3) Instituto Cubano de Radio y Television, 30th Anniversary of Radio Rebelde, 1988.—(4) Radio Rebelde, Cuba, 25th Anniversary.—(5) Radio Havana Cuba.—(6) Radio Farabundo Marti, El Salvador.—(7) XEW, Mexico City.—(8) Radio Nacional del Peru, 1951.—(9) An unidentified Radio Union, which I am guessing belongs to one of the stations with that name in the Americas.— And (10) a billfold from Circuito CMQ, Havana, Cuba.—In addition, we have added two more items to our USCGC Courier page < http://www.ontheshortwaves.com/USCGC_Courier/Courier.html> -- a second cigarette lighter bearing a Courier logo, and a second Courier cloth patch. These are under “Other Items,” and marked “New”.—And under “Specialized Resources/Active-Inactive SWBC Countries,” we have updated the list. The current countries status: Of the 266 radio countries on the NASWA list, 113 (plus 3 “pirate only” countries) are active,150 are inactive.


<www.ontheshortwaves.com> **Update, May 12, 2019**—Although it is now part of deep short-wave history, WRUL was one of the most famous American shortwave stations. It started out in Boston as W1XAL, later becoming WNYW, and was well known for its educational programming. For a time during the years 1938-41, WRUL published a good-looking monthly magazine called *The World Wide Listener*. Under “DX History/QSLs & Other Station Memorabilia,” we have posted a short writeup about *The World Wide Listener*, together with two copies of the magazine, one from 1939, the other from 1940.—Online we have also come across an interesting file of WRUL items. It is in the digital collections of the University of Massachusetts-Amherst and can be viewed at < <http://credo.library.umass.edu/view/full/mums411-b018-f091>>

<www.ontheshortwaves.com> **Update, May 19, 2019**—You may not have heard of the Anglo-American Caribbean Commission, or the West Indian Radio Newspaper, but you definitely know about WRUL. Read more about all three in “WRUL and the West Indian Radio Newspaper” under “DX History/Stations.” 

NASWA Flashsheet

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

NASWA Email Group (Updated Address!)

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

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